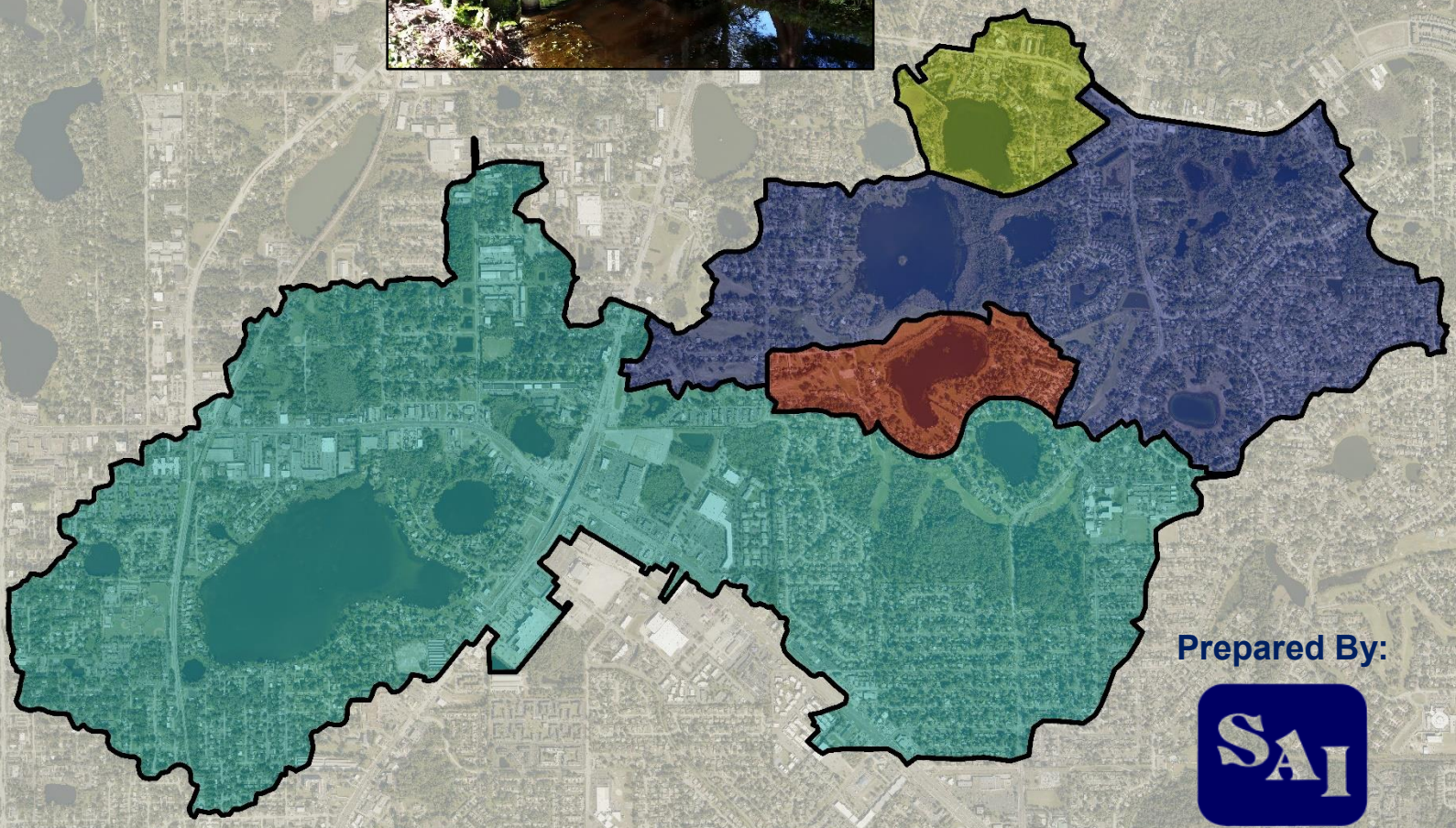
Casselberry Golf Course
Stormwater Opportunity Feasibility Study



Prepared For:

CITY OF CASSELBERRY
INC. 1949

Prepared By:

SAI
SINGHOFEN & ASSOCIATES INCORPORATED

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Section 1
Introduction and Background

1.1 Introduction and Project Background

The City of Casselberry has acquired the Casselberry Golf Club and has contracted with Singhofen & Associates, Inc. (SAI) to evaluate the feasibility and potential benefits of implementing stormwater improvements within the golf course property. The purpose of this report is to document the development and evaluation of a series of conceptual alternatives with respect to water quality and flood stages.

The golf course is located near the center of the City of Casselberry and drains to the Triplet Chain-of-Lakes within the Gee Creek basin of the Lake Jesup watershed (**Figure 1.1**). The Golf Course property is approximately 113-acres and is more specifically located within Sections 8, 16, and 17, Township 21 South, Range 30 East. The study area for the Golf Course Study is approximately 2,789-acres in size (**Figure 1.2**). It consists primarily of residential, commercial, and recreational land uses. Stormwater generally flows from the west and east and then north through a series of lakes referred to as the Triplet Chain-of-Lakes. The primary outfall location for the study area is at the north through three (3) 4'x6' concrete box culverts that cross under Seminola Boulevard to Lake Kathryn.

The Gee Creek stormwater model was used as the initial starting point to evaluate existing conditions of the study area. This model was updated to include specific new developments within the study area but a comprehensive update of the Gee Creek basin model was not conducted as part of this project.

During initial conversations with the City, complaints related to structural flooding issues within the project area are not much of an issue. However, nuisance drainage issues have been noted within the eastern portion of the golf course site (a.k.a. the front nine). It is reported that play along the course in this area can become difficult during even small storm events.

Water quality within the Triplet Chain-of-Lakes has historically been a topic of concern. Pollutant loading estimates for Queens Mirror and the Triplet Chain-of-Lakes were previously conducted by Environmental Research & Design Inc. (ERD) in 2012. The results of this study were included in the report titled *Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options*. The data and methodologies in this report were used to the maximum extent practical as the basis of information for the water quality calculations conducted as part of this feasibility study. According to the 2012 ERD study, the water quality conditions of the subject lakes has ranged from oligotrophic to hypereutrophic conditions. In addition, Lake Jesup (the receiving water) has a nutrient TMDL and BMAP.

1.2 Project Scope and Objectives

The City contracted SAI to evaluate the subject property and surrounding drainage system and use the results of that evaluation to develop conceptual designs for possible master stormwater system enhancements that would provide water quality and flood control improvements. This effort involved the following primary tasks:

- *Data Acquisition*: Collection, review, and cataloguing of available information (as-builts, construction plans, reports, model data, etc.) and limited field reconnaissance to verify conditions in the field.
- *Vegetative Community and Habitat Assessment:* A general assessment of the vegetative communities and habitats along the golf course between Middle Lake Triplet and South Lake Triplet. This effort also included site visits to identify the extents and condition of current wetlands along within this area.
- *Existing Conditions Pollutant Load Analysis*: Development of an existing conditions pollutant loading analysis.
- *Existing Condition H&H Analysis*: Development of an existing conditions stormwater model based on collected information and building on the Gee Creek model mentioned above.
- *Design Alternative Development and Engineering Recommendations*: Conceptual design development and analyses for three (3) scenarios.

- *Scenario 1*: Maintain the property as an 18-hole golf course and incorporate stormwater retrofits.
- *Scenario 2*: Convert the property to a 9-hole golf course and convert the remainder to green space/stormwater facilities. The western portion of the golf course (the back nine) would remain as an operational golf course while the eastern (front nine) holes would be eliminated and utilized for stormwater improvements.
- *Scenario 3*: Eliminate the entire golf course and maximize stormwater improvements.

All elevations referenced in this report are relative to the NAVD88 vertical datum unless otherwise specified.

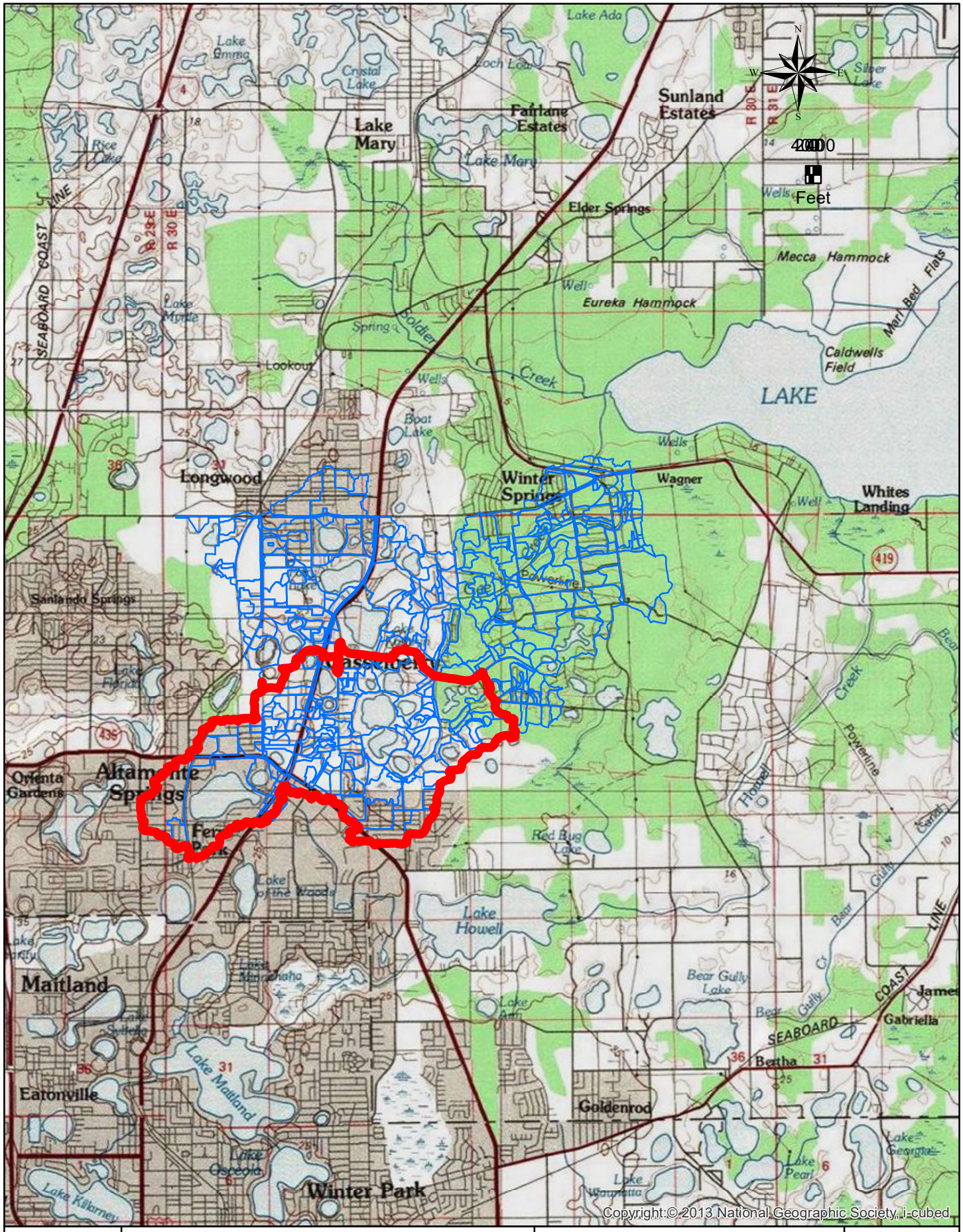
1.3 Report Organization

This report is organized into the following sections:

- *Section 1 – Introduction and Background* provides general background information of the project and organization of this report.
- *Section 2 – Data Collection* summarizes the results of data searches, field site visits, and examination of current environmental conditions.
- *Section 3 – Pollutant Loading Method of Analysis* presents a summary of the methodology used for the pollutant loading and water quality calculations and assessment.
- *Section 4 – Hydrologic and Hydraulic Modeling Method of Analysis* presents a summary of the methodology used for the water quantity assessment including the development of the hydrologic and hydraulic models.
- *Section 5 – Existing Conditions Analysis* presents a discussion of the existing conditions stormwater model and the deficiencies identified in the drainage system, as well as an updated existing conditions pollutant load analysis.
- *Section 6 – Design Development and Evaluation* summarizes the development, analysis, and evaluation of the proposed stormwater system improvements prepared for the three scenarios mentioned above.

The Appendices to the report includes the following:

- *Appendix A – Environmental Assessment performed by Yvonne I. Froscher*
- *Appendix B – Existing conditions lakes systems, street sweeping calculations, sub-basin-soils-landuse data, curve number calculations, runoff calculations, and pollutant load calculations*
- *Appendix C – Design conditions runoff and pollutant load calculations*
- *Appendix D – Existing conditions ICPR model input data, output data, and curve number calculations*
- *Appendix E – Design conditions model input data and output data*



SAI	CITY OF CASSELBERRY GOLF COURSE STUDY	VICINITY MAP	FIGURE: 1.1

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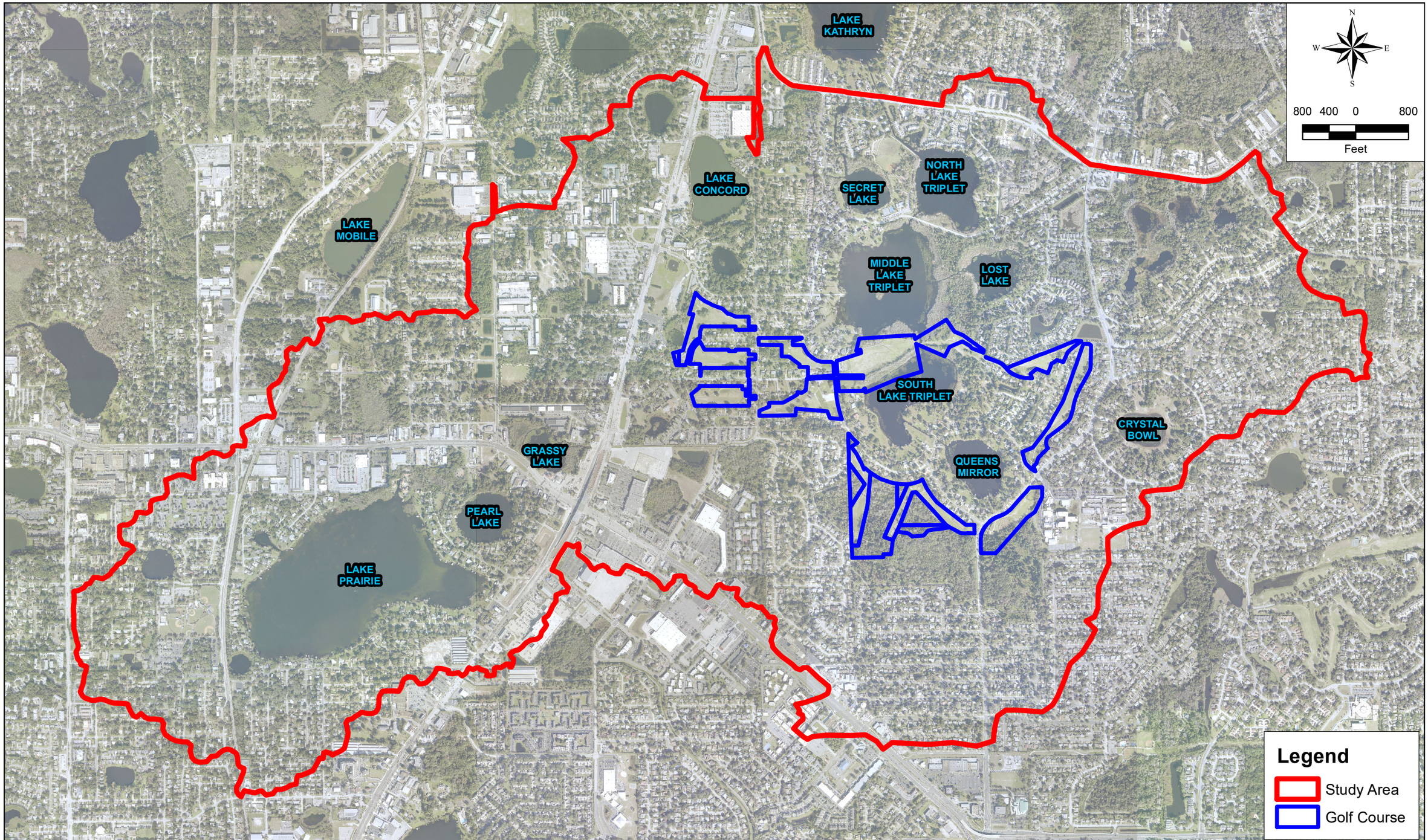

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CITY OF CASSELBERRY
GOLF COURSE STUDY

STUDY AREA MAP

FIGURE:
1.2

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Section 2

Data Acquisition

The first phase of the project included data collection and field reconnaissance efforts to verify drainage characteristics of the study area and to obtain information necessary for development of an existing conditions stormwater model. Data acquisition for this phase of the project included the following:

- Data Collection
- Field Reconnaissance
- Environmental Assessment

2.1 Data Collection

SAI collected a variety of construction documents, reports, models, and GIS data as well as St. Johns River Water Management District (SJRWMD) environmental resource permit (ERP) information within the study area. The data (**Table 2.1)** was catalogued and reviewed for use in model development.

Table 2.1: Records Information

Name	Author	Date
1-Foot Contours converted to LiDAR	SJRWMD	2001
1-Foot Contours converted to LiDAR	SJRWMD	2005
LAS Data collected as part of the 17-92 CRA Project by Seminole County	Pickett & Associates, Inc.	04/2015
FEMA FIRM Map No. 12117C0155F	FEMA	09/28/07
FEMA FIRM Map No. 12117C0160F	FEMA	09/28/07
FEMA FIRM Map No. 12117C0165F	FEMA	09/28/07
FEMA FIRM Map No. 12117C0170F	FEMA	09/28/07
Seminole County Stormwater Infrastructure GIS	Seminole County	04/23/15
Seminole County Parcels	Seminole County	04/24/15
SJRWMD Landcover Landuse 2009	SJRWMD	03/02/12
NRCS Soils for Seminole County (Most current: 09/21/2014)	USDA NRCS	09/21/14
Stormwater Infrastructure (Private)	CPH	07/02/15
Seminole County Aerials	FDOT	2015
Imagery collected as part of the 17-92 CRA Project by Seminole County	Pickett & Associates, Inc.	04/2015
Gee Creek Model ICPR Files (recently converted to ICPRv3 by SAI)	SAI	08/28/15
Gee Creek Watershed Model GIS (recently developed by SAI)	SAI	08/28/15
Culvert Replacement, Fairy Lake Outfall Canal at 1535 Kathryn Dr.	Pegasus Engineering	04/06/12
The Geneva School at Legacy Park	Schenkel Shultz	10/09/07
Northland Property Demolition	Ivey. Harris & Halls, INC.	06/20/03
Ampol Holdings, INC. Murphy Road & Seminola Boulevard	American Civil Engineering CO.	06/25/07
Legacy Park Sub-Division	Harris	01/25/07
Wirz Trail	Horizon Engineering Group, Inc.	10/18/10
Kewannee Trail	Mactec	07/16/03
Seminole County Tax Collector's Office	Engineered Permits INC	08/15/12
Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options	Environmental Research & Design, Inc.	02/01/12
Reclaimed Water Future Demand Modeling	Reiss Engineering, Inc.	05/19/14
Water Conservation Plan for Golf Course	City of Casselberry	01/23/08
Partial Interim Golf Course Environmental Assessment Report	Ardaman & Associates, Inc.	07/14/15
Golf Course Phase II Environmental Site Assessment	Ardaman & Associates, Inc.	07/31/15
Golf Course Phase I Environmental Site Assessment	AMEC	08/13/12
City Wide Storm Infrastructure	City of Casselberry	06/05/14
Boundary Survey CAD	PEC Surveying and Mapping	06/15/15
Golf Course Map	n/a	n/a
Decker Property Drainage Plans	Cavone, Inc.	12/19/90
Triplet Lake Drive As Built Survey	Southeastern Surveying	12/31/07
Little Lake Fairview Restoration Performance 3 years After Construction	CDM	06/08/11
Verdugo Hills Golf Course Income Approach Valuation	Michael Dasher and R. Thomas Powers	n/a
SR 15/600 (US 17-92) Interchange at SR 436 - 90% Design Plans	Dyer, Riddle, Mills & Precourt, Inc. (DRMP)	01/21/14
Target at Casselberry	Lochrane Engineering, Inc.	10/05/93
Casselberry Center	Lochrane Engineering, Inc.	05/27/99
Triplet Lake Drive Improvements, Project No. 0610	HNTB Corporation	12/18/06
Suburban Lodge	AR Miller Engineering, Inc.	02/10/99
Casselberry Exchange Master Pond Modification Plan	Lochrane Engineering, Inc.	08/25/06
Anchor Rd Improvements - Stormwater Ponds	Southeastern Surveying	10/10/05
Triple Lake Drive Asbuilt Survey	Southeastern Surveying	12/31/08
Lost Lake Estates Survey	City of Casselberry	n/a
Proposed Plans for Anchor Rd fro, State Rd 436 to Lyman Rd	Inwood Consulting Engineers, Inc.	05/28/08

2.2 Field Reconnaissance

Limited field reconnaissance of the study area was conducted by SAI staff on December 7, 2015, July 20, 2016 and July 22, 2016. This effort included inspection and verification of primary drainage structures and examination of drainage patterns and basins in order to clarify questions from review of the existing available information (e.g., structure data, sub-basin divides, etc.). Some field measurements of structures were conducted to provide reasonable updates to the model. In these cases, the source of the information was documented in the ICPR input data in the COMMENT field. Surveying by a PSM was outside of the scope of this project.

2.3 Environmental Assessment

An environmental assessment of the vegetative communities and habitats was performed along the golf course and driving range between Middle Lake Triplet and South Lake Triplet (**Figure 2.1**). The primary purpose of the investigation was to provide a general assessment of the area with respect to the existing conditions of the wetlands as well as to provide conceptual enhancement opportunities to be incorporated into the design scenarios. The environmental assessment was performed by Yvonne I. Froscher, Environmental Consultant and a copy of the full environmental report has been included as **Appendix A**. A very brief summary is included below.

Figure 2.1: Vicinity of Environmental Assessment

Source: APLUS Aerial Photograph, 10/1962

The primary area of concern related to wetland and shoreline improvements is located between Middle Lake Triplet and South Lake Triplet, west of the golf path bridge along the perimeter of the golf course and lakes. Identification of vegetative cover along the two lakes and wetlands was conducted. Several species of exotic or invasive plants (7 Category I plants and 2 Category II plants) were noted to be present within the assessment area (**Figure 2.2**). Exotic vegetation is often problematic as they tend to displace native species which in turn diminishes habitat quality. A diverse vegetative community along the lakes are important to protect in order to maintain a healthy habitat for small mammals, birds, and other species. A healthy, natural habitat also provides a benefit for residents and the general public with opportunities for nature walks and wildlife observation.

In order to improve wetland vegetation and habitats, exotic vegetation should be removed along with the planting of native species. The environmental assessment lists methods of removal for the exotic species and also lists several native species that would have a high probability of flourishing at each lake.

The recommended future tasks are as follows:

- Field locate and identify by species both invasive and native, non-target plants
- Develop exotic species-specific control methods (protect non-target, native plants).
- Develop planting plan to restore native habitat

Figure 2.2: Invasive Species Concerns

Section 3
Pollutant Loading Analysis Methodology

A project-specific pollutant loading model was developed to estimate the annual mass of pollutants from nonpoint sources via surface runoff. The spreadsheet-based pollutant model was limited to evaluation of surface runoff within the study area and accounted for estimated lake and wetland evaporation and lake recharge. However, the model did not account for other sources such as groundwater seepage or atmospheric deposition. The model predicts annual pollutant loads based on an average annual rainfall distribution and land use/soil type combinations.

The pollutant loading estimates involved the following three general elements. Specifics of the pollutant loading analysis methodology are discussed in more detail further below.

1. Calculation of curve numbers (CNs) and directly connected impervious area (DCIA) for each land use/soil type combination.
2. Calculation of average annual runoff using the CN method and a rainfall frequency distribution for each sub-area throughout the study area.
3. Calculation of net average annual runoff by accounting for attenuation, evaporation, and recharge.
4. Calculation of average annual pollutant loads for each sub-area using the net average annual runoff and literature-based event mean concentrations.
5. Calculation of the net pollutant loads by accounting for pollutant load removal through existing BMPs and street sweeping.

The following pollutants were considered in this analysis:

- Total Nitrogen
- Total Phosphorus

3.1. Data Development

The following data sets were developed in order to conduct the pollutant load estimates:

3.1.1 Drainage Patterns and Sub-basins: The primary objective of the study is to evaluate the feasibility of conceptual alternatives to reduce nutrient loads to Queen Mirror and the three Triplet Lakes. Based on a review of the existing H&H model data, available terrain data, and the City's infrastructure database, the areas draining to each of the lakes was defined (**Figure 3.1**). Two additional areas (**Figure 3.2**) were then broken out to account for split flow or retained runoff volume. According to the 2012 study conducted by ERD, the Grassy Lake sub-watershed contributes approximately 90% of its runoff to Queens Mirror and 10% of its runoff to Middle Lake Triplet. The same study also indicated that the Yvonne Lake sub-watershed retains all but 10% of its runoff. The Gee Creek model sub-basins (**Section 4**) were then further discretized within each sub-watershed to account for existing BMPs and land use conditions. The sub-basins developed for the pollutant loading analysis are shown in **Figure 3.3**. **Appendix B.1** includes a table of the sub-basins and associated areas within each lake system sub-watershed.

3.1.2 Soils: Soils data were obtained from the United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS) for this study. Soil hydrologic groupings give a general indication of performance with regard to infiltration and surface runoff generation with hydrologic group A being classified as well drained soils and generating the least runoff and hydrologic group D being poorly drained and generating the most runoff. For the purposes of this analysis, dual classification hydrologic soil groups A/D and B/D were assumed to function as poorly drained type D soils to be conservative. The distribution of soil hydrologic groups within the study area are presented in **Table 3.1**. A map depicting the soils for the study area is included as **Figure 3.4**.

Table 3.1 – Soil Hydrologic Groups in the Study Area

Soil Hydrologic Group	Percentage of Study Area (%)
A	10
D	78
Water	12

3.1.3 Land Use: The most current land use GIS layer from the SJRWMD was updated based on 2015 aerial imagery (Seminole County 17-92 CRA Stormwater Master Plan and FDOT). The SJRWMD land use designations were then further simplified (**Table 3.2**) to be consistent with the designations used for literature-based event mean concentrations. The updated land use layer within the study area is presented as **Figure 3.5**.

Table 3.2 – Land Use Simplification

SJRWMD Landuse Number	Landuse Description	Simplified Landuse Code	Simplified Land Use
1100	Residential, low density - less than 2 dwelling units/acre	110	Low Density Residential
1200	Residential, medium density - 2-5 dwelling units/acre	120	Medium Density Residential
1300	Residential, high density - 6 or more dwelling units/acre	130	High Density Residential
1400	Commercial and services	140	Commercial
1480	Cemeteries	185	Recreational 1 (Parks w/little impervious)
1490	Commercial and services under construction	140	Commercial
1550	Other light industrial	155	Industrial
1700	Institutional (school, church, correctional, military)	170	Institutional
1820	Golf Course	182	Golf Course (w/Stormwater Irrigation)
1820	Golf Course	182r	Golf Course (w/Reclaimed Irrigation)
1850	Parks and zoos	185	Recreational 1 (Parks w/little impervious)
1860	Community recreational facilities	186	Recreational 2 (Parks w/facilities)
1900	Open land (fair condition)	190	Open Land
3100	Herbaceous upland nonforested	310	Dry Prairie
3200	Shrub and brushland	310	Dry Prairie
3300	Mixed upland nonforested	310	Dry Prairie
4110	Pine flatwoods	410	Mesic Flatwoods
4340	Upland mixed coniferous/hardwood	430	Upland Mixed Forest
4410	Pine plantation	430	Upland Mixed Forest
5100	Streams and waterways	500	Water
5200	Lakes	500	Water
5250	Open water within a freshwater marsh / Marshy Lakes	500	Water
5300	Reservoirs - pits, retention ponds, dams	500	Water
6170	Mixed wetland hardwoods	600	Wetland
6300	Wetland forested mixed	600	Wetland
6410	Freshwater marshes	600	Wetland
6430	Wet Prairies	643	Wet Prairie
6440	Emergent aquatic vegetation	600	Wetland
6460	Mixed scrub-shrub wetland	600	Wetland
8140	Roads and highways (divided 4-lanes with medians)	8100	Transportation
8310	Electrical power facilities	155	Industrial
8320	Electrical power transmission lines	190	Open Land
8330	Water supply plants	155	Industrial
8370	Surface water collection basins	500	Water

3.1.4 Rainfall: A frequency distribution of rain events was previously developed as part of the *Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options* Study (ERD, 2012). This same frequency distribution (**Table 3.3**) was used to calculate annual runoff volumes within the study area.

Table 3.3 – Frequency Distribution of Rain Events

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

*Source = *Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Study* (ERD, 2012)

3.1.5 Impervious Area and Directly Connected Impervious Area: **Table 3.4** presents the percent impervious area (%IMP) and percent directly connected impervious area (%DCIA) for each of the simplified land uses along with the source of the information.

Table 3.4 – Assumed Impervious Area and Directly Connected Impervious Area

Simplified Landuse Code	Simplified Land Use	Assumed %IMP.	Assumed %DCIA	Impervious and DCIA Reference
110	Low Density Residential	15	0	Estimated from imagery
120	Medium Density Residential	40	20	ERD Queens Mirror Rpt., 2012
130	High Density Residential	70	53	ERD Queens Mirror Rpt., 2012
140	Commercial	90	85	ERD Queens Mirror Rpt., 2012
155	Industrial	30	0	ERD Queens Mirror Rpt., 2012
170	Institutional	35	25	ERD Queens Mirror Rpt., 2012
182	Golf Course (w/Stormwater Irrigation)	5	0	ERD Queens Mirror Rpt., 2012
182r	Golf Course (w/Reclaimed Irrigation)	5	0	ERD Queens Mirror Rpt., 2012
185	Recreational 1 (Parks w/little impervious	5	0	Estimated from imagery
186	Recreational 2 (Parks w/facilities)	20	0	Estimated from imagery
190	Open Land	0	0	ERD Queens Mirror Rpt., 2012
310	Dry Prairie	0	0	ERD Queens Mirror Rpt., 2012
410	Mesic Flatwoods	0	0	ERD Queens Mirror Rpt., 2012
430	Upland Mixed Forest	0	0	ERD Queens Mirror Rpt., 2012
500	Water	100	100	ERD Queens Mirror Rpt., 2012
600	Wetland	0	0	ERD Queens Mirror Rpt., 2012
643	Wet Prairie	0	0	ERD Queens Mirror Rpt., 2012
8100	Transportation	95	90	ERD Queens Mirror Rpt., 2012

3.1.6 Evaporation and Deep Recharge: For the purposes of this study, evaporation from lakes and wetlands and deep recharge from lakes were accounted for as hydrologic losses. The loss rates were obtained from the *Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options, Final Report* (ERD, 2012) and are presented below. **Table 3.5** presents the calculated evaporation and deep recharge for various wetlands and lakes within the study area.

Lake Evaporation Rate:	49.98 in/yr
Wetland Evaporation Rate:	45.7 in/yr
Deep Recharge Rate:	2 in/yr

Table 3.5 – Estimated Evaporation and Deep Recharge

Lake or Wetland Name	System Type	Subbasin Name	Node Name	Surface Area (acres)	Evap. Rate (in/yr)	Annual Evap. (ac-ft/yr)	Deep Recharge Rate (in/yr)	Annual Deep Recharge (ac-ft/yr)	Annual Evap. & Recharge (ac-ft/yr)
Triplet Lake - North	Lake	*13L0800B	TRIPLT-N	23.1	49.98	96.3	2	3.9	100.1
Triplet Lake - Middle	Lake	*13L1000B	TRIPLT-M	55.4	49.98	230.7	2	9.2	239.9
Triplet Lake - South	Lake	*13L1200B	TRIPLT-S	26.6	49.98	110.6	2	4.4	115.0
Crystal Bowl	Lake	*13N0650B	CRYSTBWL	7.2	49.98	30.1	0	0.0	30.1
Queens Mirror	Lake	*QUEENS	QUEENS	13.3	49.98	55.5	2	2.2	57.7
TRIPLT-N	Wetland Area	13L0800B	TRIPLT-N	4.4	45.7	16.6	0	0.0	16.6
TRIPLT-M	Wetland Area	13L1000B	TRIPLT-M	3.3	45.7	12.7	0	0.0	12.7
13L1020P	Wetland Area	13L1020B	13L1020P	2.3	45.7	8.9	0	0.0	8.9
TRIPLT-S	Wetland Area	13L1200B	TRIPLT-S	0.6	45.7	2.3	0	0.0	2.3
13L1875P	Wetland Area	13L1875B	13L1875P	26.7	45.7	101.6	0	0.0	101.6
13L1895P	Wetland Area	13L1895B	13L1895P	2.2	45.7	8.2	0	0.0	8.2
13L1950P	Wetland Area	13L1950B	13L1950P	36.8	45.7	140.2	0	0.0	140.2
13L1975P	Wetland Area	13L1975B	13L1975P	7.4	45.7	28.1	0	0.0	28.1
13L2050P	Wetland Area	13L2050B	13L2050P	8.4	45.7	32.0	0	0.0	32.0
OXFORD	Wetland Area	13L2500B	OXFORD	7.4	45.7	28.4	0	0.0	28.4
13L3140P	Wetland Area	13L3140B	13L3140P	5.5	45.7	21.0	0	0.0	21.0
13N0200P	Wetland Area	13N0200B	13N0200P	2.6	45.7	9.9	0	0.0	9.9
Lost	Lake	**13N0200B2	LOST	14.7	49.98	61.0	2	2.4	63.5
LOST	Wetland Area	**13N0200B2	LOST	1.8	45.7	6.7	0	0.0	6.7
LOST	Lake / Wetland Combo	13N0200B2	LOST	-	-	67.7	-	-	70.2
13N0700P	Wetland Area	13N0700B	13N0700P	4.6	45.7	17.6	0	0.0	17.6
Yvonne	Lake	13N0700B2	YVONNE	22.0	49.98	91.5	2	3.7	95.2
13P0500P	Wetland Area	13P0500B	13P0500P	1.4	45.7	5.4	0	0.0	5.4
13P1800P	Wetland Area	13P1800B	13P1800P	0.2	45.7	0.9	0	0.0	0.9
13P1814N	Wetland Area	13P1814B	13P1814N	0.6	45.7	2.2	0	0.0	2.2
PINEYRDG	Wetland Area	13P1826B	PINEYRDG	0.9	45.7	3.6	0	0.0	3.6
Grassy	Lake	13P1900B	GRASSY	13.1	49.98	54.7	2	2.2	56.9
Pearl	Lake	**13P2250B	PEARL	12.6	49.98	52.3	2	2.1	54.4
PEARL	Wetland Area	**13P2250B	PEARL	2.5	45.7	9.4	0	0.0	9.4
PEARL	Lake / Wetland Combo	13P2250B	PEARL	-	-	61.7	-	-	63.8
Prairie	Lake	13P2600B	PRAIRIE	122.2	49.98	509.0	2	20.4	529.3
PRAIRIE	Wetland Area	**13P2600B	PRAIRIE	3.0	45.7	11.6	0	0.0	11.6
PRAIRIE	Lake / Wetland Combo	**13P2600B	PRAIRIE	-	-	520.5	-	-	540.9
LPRAIRIE	Wetland Area	13P2648B	LPRAIRIE	2.4	45.7	9.2	0	0.0	9.2
13P2660P	Wetland Area	13P2660B	13P2660P	9.1	45.7	34.6	0	0.0	34.6
13P2661P	Wetland Area	13P2661B	13P2661P	3.1	45.7	11.9	0	0.0	11.9
Maltbie	Lake	13P2800B	MALTBIE	4.9	49.98	20.3	2	0.8	21.1
13Q0840P	Wetland Area	13Q0840B	13Q0840P	2.2	45.7	8.5	0	0.0	8.5
					Totals:	**2493.3**		**51.3**	**2569.5**

Notes/Data Sources:

1. Evaporation and deep recharge rates are from the *Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report*, Environmental Research and Design, 2012.
2. Crystal Bowl Lake values are set to zero because the lake does not discharge.
3. * indicates features that are intentionally NOT accounted for as hydrologic losses.
4. ** indicates that the lake and wetland features have been combined for the evaporation and deep recharge calculations for this subbasin.

3.1.7 Event Mean Concentrations: The study of the Queens Mirror and Triplet Chain-of-Lakes conducted by ERD in 2012 included measuring concentrations of Total Nitrogen and Total Phosphorus at specific locations. The results were used to represent inflow concentrations to the lakes in the study area. Because the samples represented runoff from large areas draining into each lake, the results cannot be used estimate pollutant loads at various locations across the study area. This type of pollutant loading estimate is necessary to evaluate the effects of various design alternatives throughout the study area. For this reason, the spreadsheet model estimates pollutant loads generated from stormwater runoff using event mean concentrations (EMCs). EMCs are flow-weighted average concentrations of pollutants in stormwater runoff for various land uses. Literature-based EMCs can be found from a variety of sources. **Table 3.6** present a list of the EMCs used for each of the simplified land uses along with the source of the EMC.

Table 3.6 – Assumed Event Mean Concentrations (EMCs)

Simplified Landuse Code	Simplified Land Use	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	EMC Reference
110	Low Density Residential	1.61	0.191	UCF; BMP Trains
120	Medium Density Residential	2.07	0.327	BMPTRAINS Model, v7.7
130	High Density Residential	2.32	0.52	BMPTRAINS Model, v7.7
140	Commercial	2.4	0.345	BMPTRAINS Model, v7.7
155	Industrial	1.2	0.26	BMPTRAINS Model, v7.7
170	Institutional	1.61	0.191	Per ERD, assumed = LDR
182	Golf Course (w/Stormwater Irrigation)	1.645	0.27	BMPTRAINS Model (2016 version)
182r	Golf Course (w/Reclaimed Irrigation)	2.4675	0.405	BMPTRAINS Model (2016 version)
185	Recreational 1 (Parks w/little impervious	1.61	0.191	Per ERD, assumed = LDR
186	Recreational 2 (Parks w/facilities)	1.61	0.191	Per ERD, assumed = LDR
190	Open Land	1.15	0.055	ERD, 07/2013 (Table 2-17)
310	Dry Prairie	1.95	0.107	BMPTRAINS Model, v7.7
410	Mesic Flatwoods	1	0.034	BMPTRAINS Model, v7.7
430	Upland Mixed Forest	0.676	2.291	BMPTRAINS Model, v7.7
500	Water	0	0	Atmospheric deposition ignored
600	Wetland	1.5	0.1	ERD, 07/2013 (Table 2-17)
643	Wet Prairie	0.78	0.009	ERD, 07/2013 (Table 2-17)
8100	Transportation	1.37	0.167	ERD, 07/2013 (Table 2-17)

Data Sources:
1. *Refining the Indian River Lagoon TMDL, Technical Memorandum Report: Assessment and Evaluation of Model Input Parameters, Draft Final Report*, ERD, 7/2013.
2. BMPTRAINS Model, v7.7, University of Central Florida Stormwater Academy.
3. The Golf Course EMCs were provided by Mike Hardin, Author of BMPTRAINS, and will be part of the upcoming release. According to Mr. Hardin, reclaimed water results in 50% higher EMC's.

3.1.8 Runoff Attenuation and Pollutant Removal Efficiencies: Based on the 2015 imagery and the most current terrain data (see **Section 4**), existing wet detention ponds, dry retention ponds, golf course ponds, wetland areas, and landlocked lakes were identified. The volume attenuation and pollutant load reductions associated with these features were accounted for in the pollutant load analysis. **Figure 3.6** presents the approximate location of the existing BMPs and natural systems. **Table 3.7** presents the assumed attenuation and pollutant removal efficiencies along with the data sources for each of the existing features as well as for the proposed features. The pollutant removal efficiencies for specific golf course ponds and the proposed ponds were calculated based on the estimated permanent pool volume and residence time using the formulas from the document titled *Evaluation of Current Stormwater Design Criteria within the State of Florida* (ERD, June 2007).

$$\text{Total Nitrogen Removal (\%)} = \frac{43.75 \cdot t_d}{(4.38 + t_d)}$$

$$\text{Total Phosphorus Removal (\%)} = 40.13 + 6.372 \cdot ln(t_d) + 0.213 \cdot \left(ln(t_d)\right)^2$$

$$t_d = (\text{PPV/ARV}) \times 365 \text{ days/year}$$

Where: t_d = Detention time (days)
PPV = Permanent pool volume (ac-ft)
ARV = Annual runoff volume input to pond (ac-ft/yr)

Table 3.7 – Runoff Attenuation and Pollutant Removal Efficiencies

Feature Description	Volume Reduction (%)	Total Nitrogen Reduction (%)	Total Phosphorus Reduction (%)	Notes
Wet Pond	20	36	62	ERD, 2013
Dry Pond	80	80	80	ERD, 2012
Golf Course Pond	20	20	40	Assumed
Wetland Area	0	20	30	Assumed
Depressional Area	30	20	40	Assumed
Landlocked Lake	100	100	100	e.g., Crystal Bowl Lake
Golf Course Pond #3	20	41	72	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Golf Course Pond #4	20	36	62	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Golf Course Pond #7A	20	41	71	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Golf Course Pond #7B	20	18	48	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Golf Course Pond #8	20	37	62	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Golf Course Pond #11	20	23	51	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Alum System at QM Inflow	0	50	90	ERD, BMPTRAINS Workshop, 05/2016
Pond 2- Design Alt. #1	20	43	79	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 5- Design Alt. #1	20	41	69	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 7AB- Design Alt. #1	20	31	57	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 10- Design Alt. #1	20	36	61	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 11- Design Alt. #1	20	40	69	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 8- Design Alt. #2	20	29	55	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 7AB- Design Alt. #1	20	42	74	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 1- Design Alt. #3	20	39	65	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007
Pond 2- Design Alt. #3	20	41	72	Vol. assumed; N/P calc'd from Fig. 5-9/5-10, ERD, 2007

Data Sources:
1. *Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012*.
2. Refining the Indian River Lagoon TMDL, Technical Memorandum Report: Assessment and Evaluation of Model Input Parameters, Draft Final Report, ERD, 7/2013.
3. Evaluation of Current Stormwater Design Criteria within the State of Florida, ERD, June 2007.
4. *BMPTRAINS Model: Alum Stormwater Treatment*, BMPTRAINS Workshop, May 2016

3.1.9 BMPs in Series: Some of the regional stormwater facilities that were evaluated will be in series with other upstream treatment systems. In these cases, the treatment efficiency of the proposed BMP was reduced using the following formula (Source: *Re-Evaluation of the Stormwater Treatment Train Concept – Sometimes 1+1≠2*, Harper, FSA Conference, 06/2016):

$$\text{Effective Treatment Efficiency of Second Treatment System} = (1-Eff_1) \times Eff_2$$

Where: Eff_1 = Efficiency of initial treatment system on its own
Eff_2 = Efficiency of second treatment system on its own

3.1.10 Street Sweeping: The City of Casselberry conducts routine mechanical/vacuum sweeping of most of the streets throughout the study area (Figure 3.5). The City provided the annual mass removal of nutrients from the sweeping efforts for the last five years. This data was averaged and divided by the total length of streets swept (67.686 miles) to estimate a nutrient removal rate for the streets swept within each sub-area of the study area. **Table 3.8** presents the street sweeping data provided by the City along with the estimated mass removal rates. **Table 3.9** presents the total estimated nutrient removals within the study area as a result of street sweeping based on the mass removal rates and the total miles swept within the study area. **Appendix B.2** provides the estimated nutrient removal by street sweeping for each sub area.

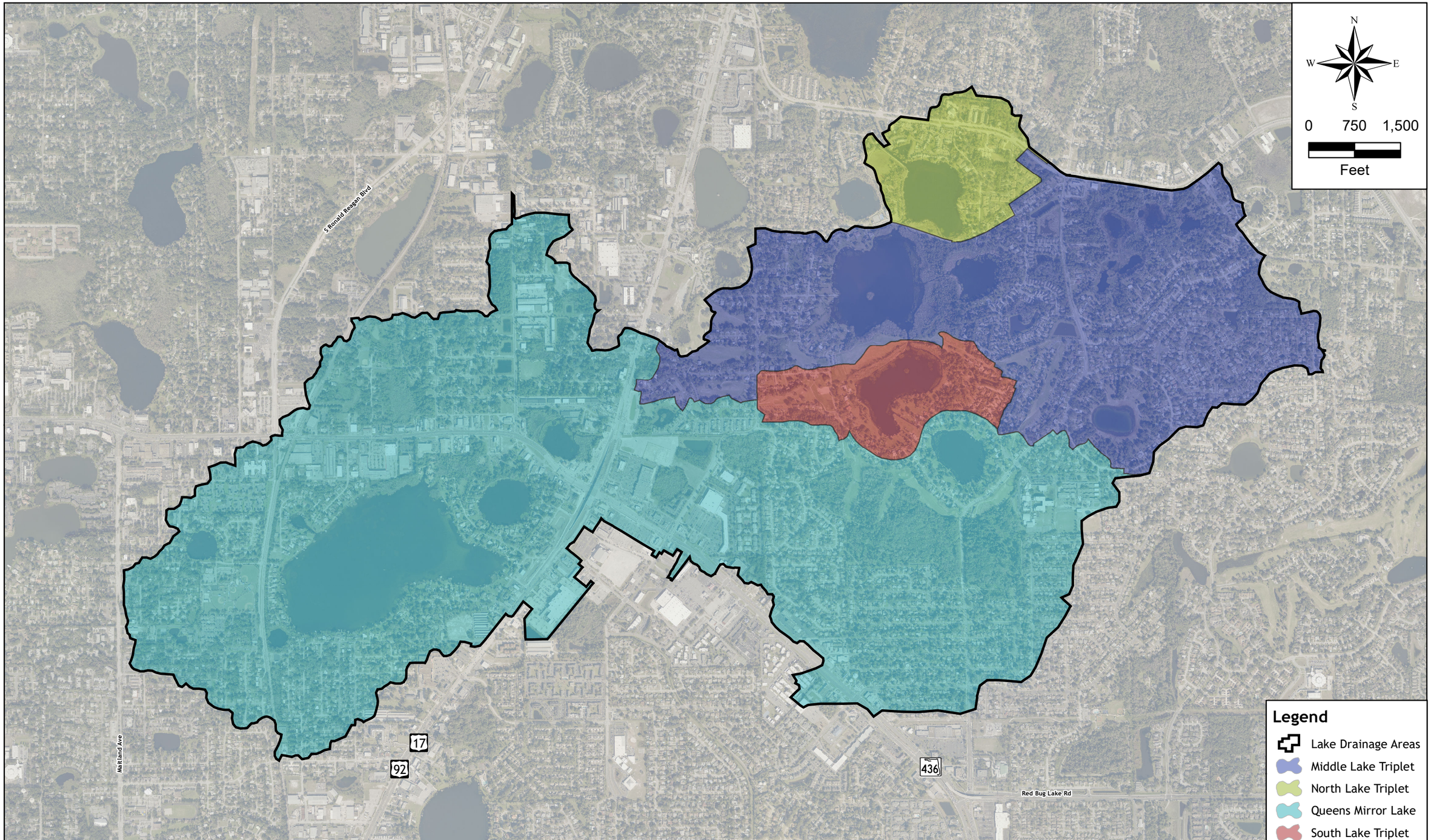
Table 3.8 – Street Sweeping Data and Estimated Nutrient Removal Rates

Street Sweeping Data		
Year	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)
2011	1,128	723
2012	1,155	741
2013	1,342	861
2014	1,104	708
2015	1,229	788
5-yr Average	**1191.6**	**764.2**

Streets Swept (mi)	67.68598	67.68598
Mass Removed (lbs/mi/yr)	**17.605**	**11.290**

Table 3.9 – Estimated Total Nutrient Removal By Street Sweeping in the Study Area

	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)
Study Area Total	**485**	**311**



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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

POLLUTANT LOADING ANALYSIS LAKE DRAINAGE AREAS

FIGURE: 3.1

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 3.1 - LakeDrainageAreas.mxd)
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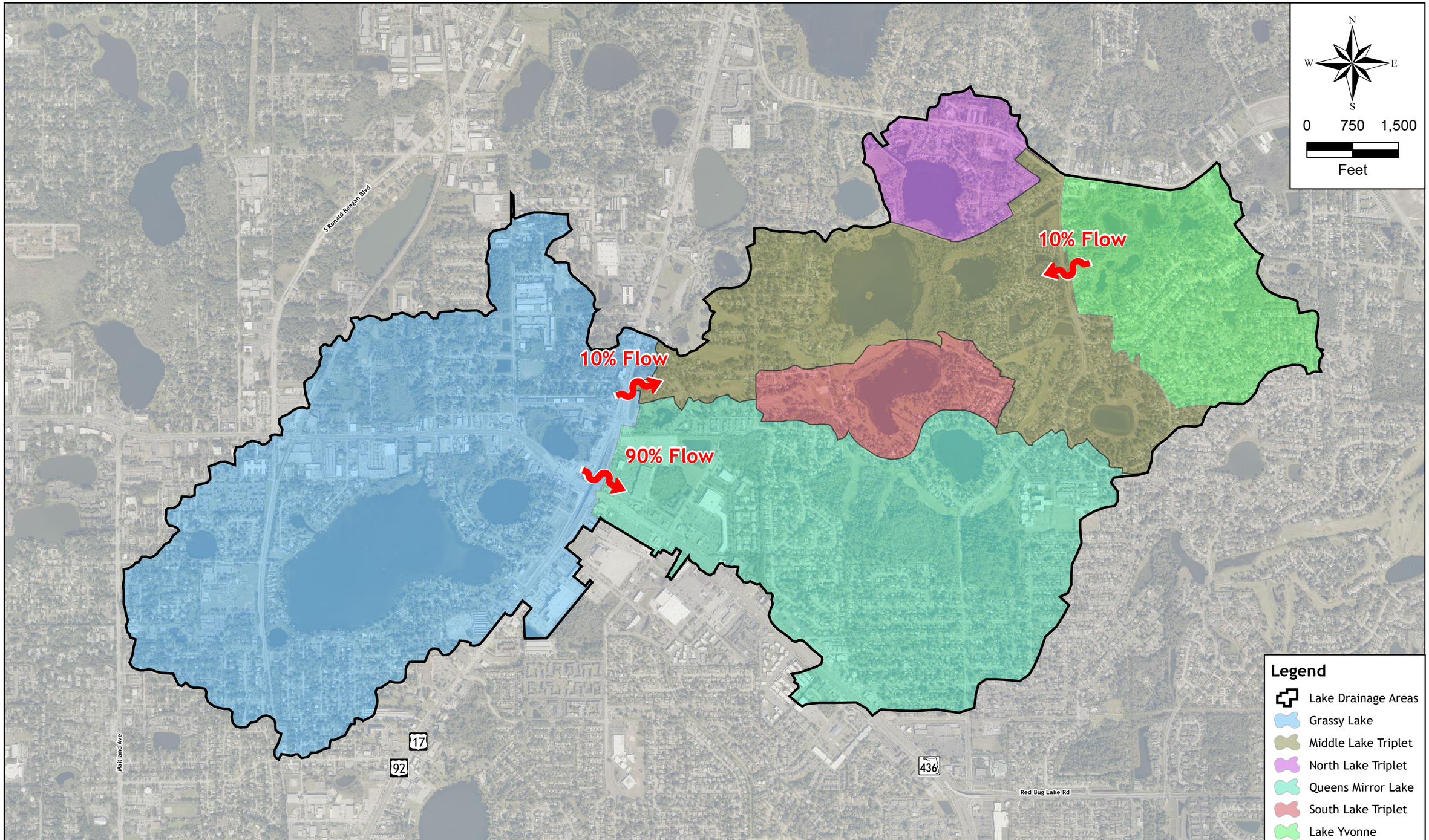

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CASSELBERRY GOLF COURSE
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FEASIBILITY STUDY

POLLUTANT LOADING ANALYSIS
GRASSY AND YVONNE LAKE SYSTEMS

FIGURE:
3.2

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 3.2 - GrassyYvonneSplitFlowMap.mxd)
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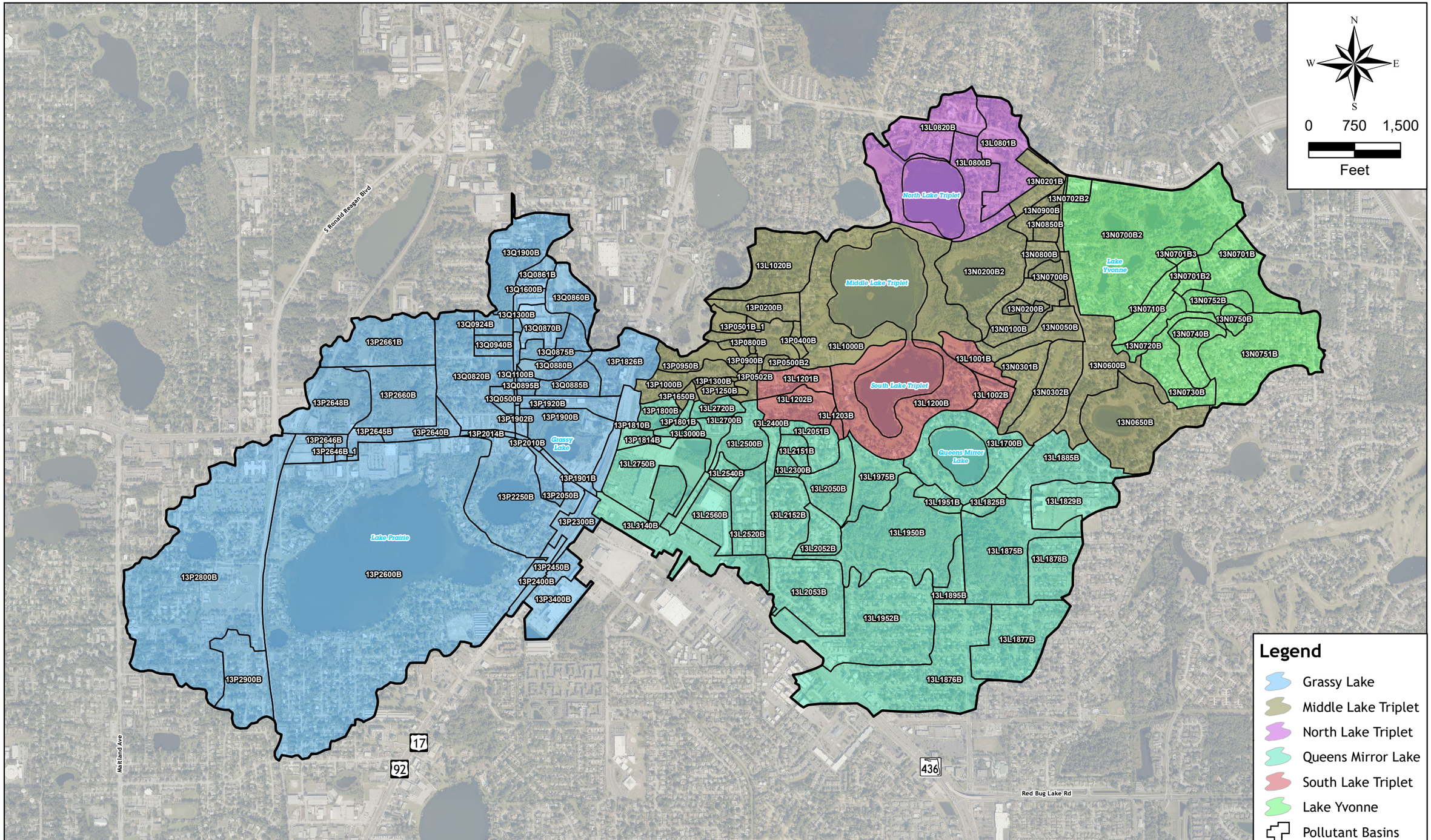

Legend

- Grassy Lake
- Middle Lake Triplet
- North Lake Triplet
- Queens Mirror Lake
- South Lake Triplet
- Lake Yvonne
- Pollutant Basins

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

POLLUTANT LOADING ANALYSIS SUB-BASIN MAP

FIGURE: 3.3

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 3.3 - PollutantBasins.mxd)
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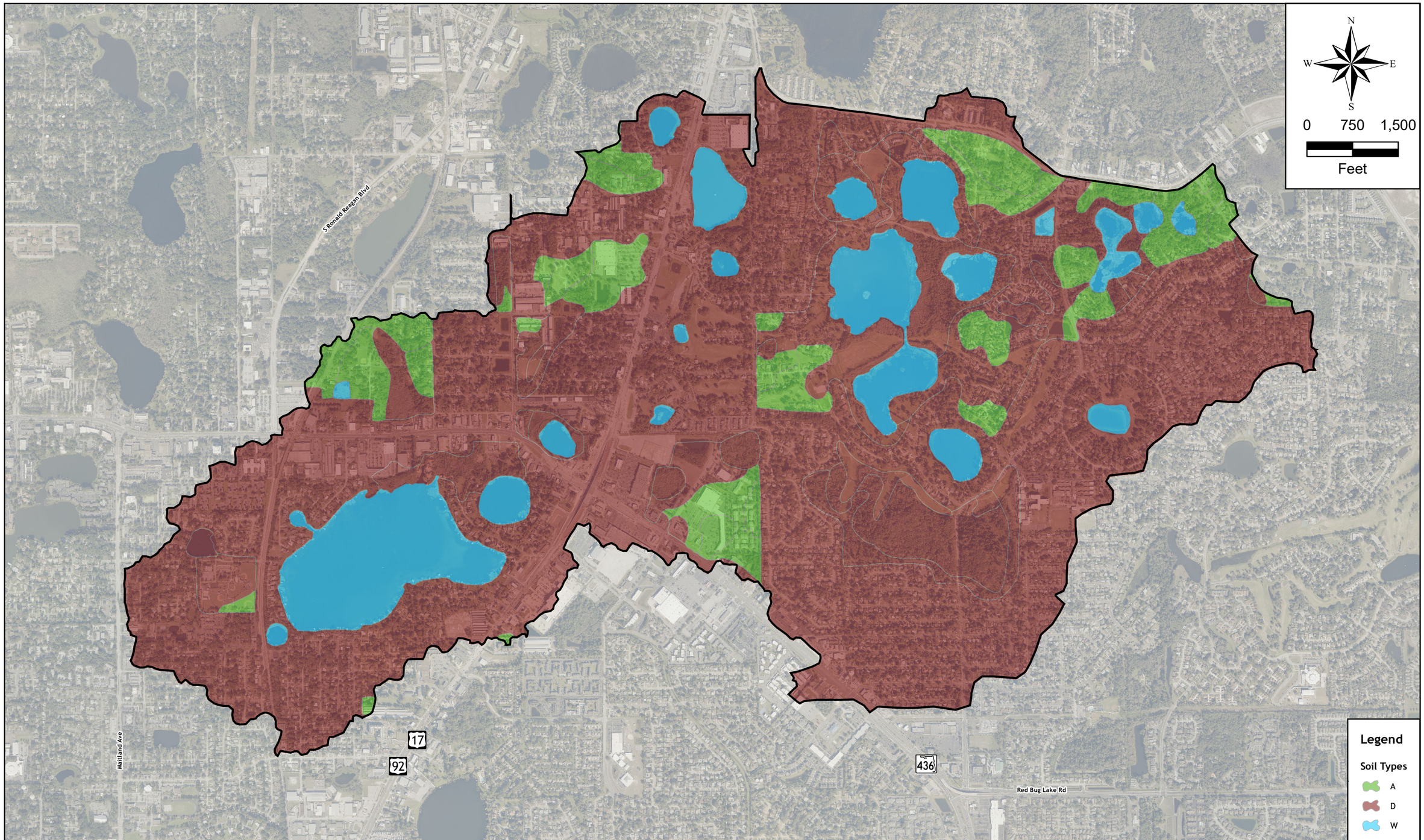

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

POLLUTANT LOADING ANALYSIS SOILS MAP

FIGURE: 3.4

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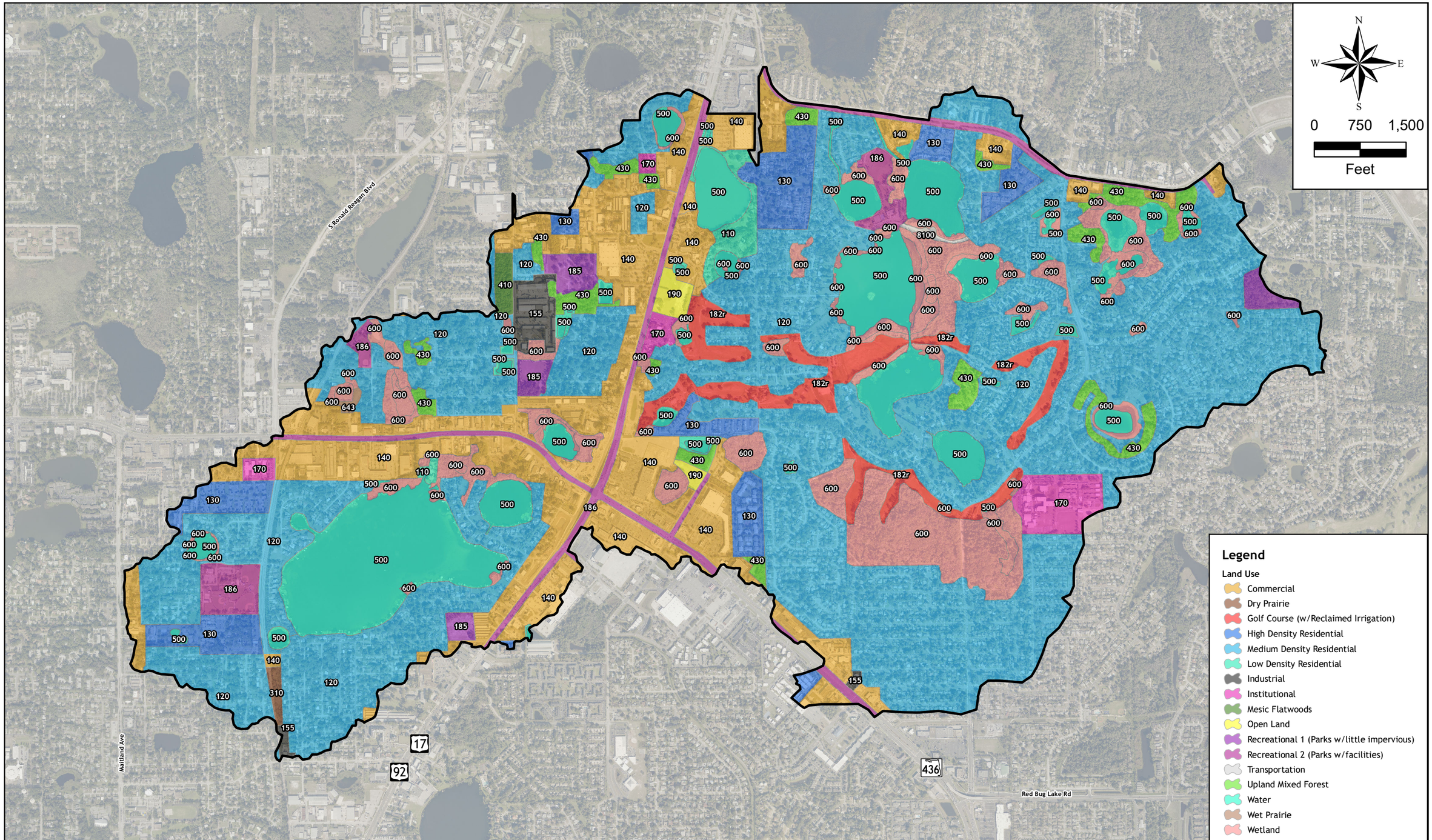

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

POLLUTANT LOADING ANALYSIS SIMPLIFIED LAND USE MAP

FIGURE: 3.5

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 3.5 - LandUseMap.mxd)
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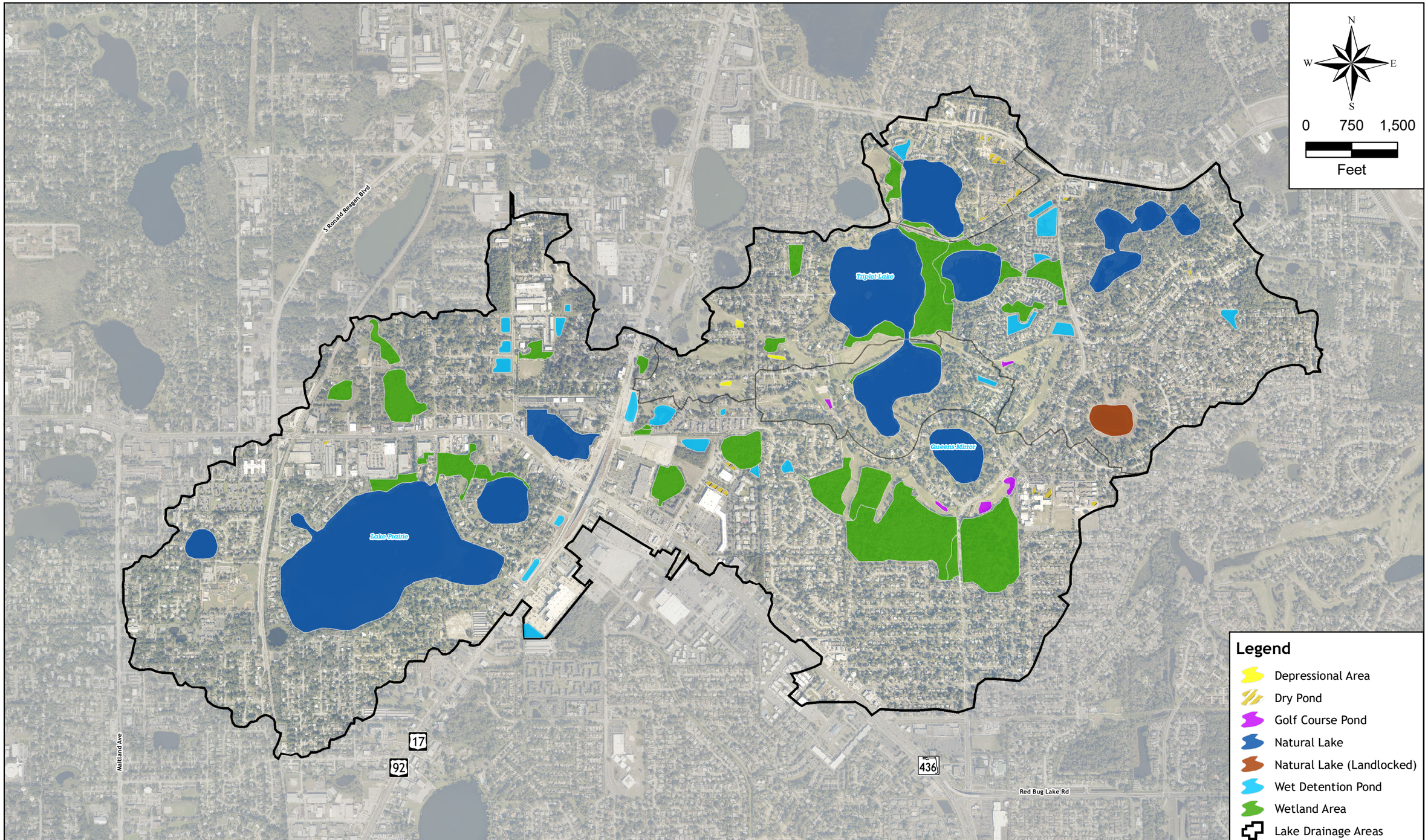

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CASSELBERRY GOLF COURSE
STORMWATER OPPORTUNITY
FEASIBILITY STUDY

POLLUTANT LOADING ANALYSIS
EXISTING BMP AND NATURAL SYSTEMS

FIGURE:
3.6

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 3.6 - BMPandNaturalSystems.mxd)
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3.2 Calculations

The calculation steps undertaken as part of the pollutant load estimates are detailed in the following subsections.

3.2.1 Curve Numbers and Impervious Area: Geoprocessing tools were used to intersect the sub-basins layer with the land use layer and the resulting layer was then intersected with the soils layer. The result was each sub-basin being broken into subareas consisting of individual combinations of land use and soil type. This sub-area data was then used in the spreadsheet model to calculate the annual runoff volumes for each subarea. **Appendix B.3** includes the results of the intersect for each sub area.

3.2.2 Average Annual Stormwater Runoff: Stormwater runoff volumes were calculated for each subarea using the curve number method as shown in the following equations.

$$CN\ nDCIA_x = \frac{(CN_x * 100 - IMP_x) + 98(IMP_x - DCIA_x)}{(100 - DCIA_x)}$$

Runoff from non-DCIA was calculated as follows:

$$Q\ nDCIA_{ix} = N_i \left(\frac{(P_i - 0.2S_x)^2}{(P_i + 0.8S_x)} \right)$$

$$S_x = \left(\frac{1000}{CN\ nDCIA_x} - 10 \right)$$

Runoff from DCIA was calculated using the equation below. The value 0.1 represents the initial abstraction rate to account for storage from surface irregularities. Runoff from DCIA will not be generated unless the depth of rainfall exceeds this threshold.

$$Q\ DCIA_{ix} = N_i(P_i - 0.1) \quad \text{when} \quad P_i \geq 0.1$$

Total runoff depth over the subarea was calculated with the following equation:

$$RO_{ix} = \frac{(Q\ nDCIA_{ix} * A\ nDCIA_x) + (QDCIA_x * A\ DCIA_{ix})}{A_x}$$

Finally total runoff volume is calculated as follows:

$$V_x = \left[\sum_{i-1}^{Z} RO_{ix} \right] * \frac{1}{12} * A_x$$

where:

CN $nDCIA_x$	=	Curve number for non-DCIA area in subarea x
CN_x	=	Curve number for pervious area in subarea x
IMP_x	=	Percent impervious area in subarea x (%)
$DCIA_x$	=	Percent directly connected impervious area in subarea x (%)
S_x	=	Soil storage for non-DCIA area in subarea x (inches)
P_i	=	Median rainfall depth for rainfall event interval i in rainfall freq. distribution (inches)
N_i	=	# of rainfall events in rainfall event interval i in rainfall frequency distribution
Q $nDCIA_{ix}$	=	Runoff depth for non-DCIA area of subarea x for rainfall interval i (inches)
Q $DCIA_{ix}$	=	Runoff depth for DCIA of subarea x for rainfall interval i (inches)
RO_{ix}	=	Runoff depth over subarea x for rainfall interval i (inches)
A $nDCIA_x$	=	Non-DCIA area for subarea x (acres)
A $DCIA_x$	=	DCIA for subarea x (acres)
A_x	=	Total area of subarea x (acres)
V_x	=	Total runoff volume from subarea x (acre-feet)

Once total runoff for each subarea was calculated, evaporation, deep recharge, and attenuation were subtracted out to estimate the net annual runoff volume. Curve number calculations for the pollutant loading analyses are included in **Appendix B.4**. Annual runoff calculations are included in **Appendix B.5**.

3.2.3 Pollutant Load Estimates: The estimated average gross pollutant loads for total nitrogen and total phosphorous were calculated for each subarea using the following equation:

$$L_x = 2.72 * V_x * EMC$$

Where:

L_x	=	Nutrient/pollutant mass loading for subarea x (lb/year)
2.72	=	conversion factor for:

$$\left(\frac{mg*ac*ft}{L*yr}\right) \; to \; \left(\frac{lb}{yr}\right)$$

The net existing condition pollutant loads for each sub area were then calculated by subtracting the pollutants removed by street sweeping and then by existing BMPs. Finally, the net pollutant load to each lake was calculated by summing the loads from each sub area draining to each lake. For the Lake Grassy sub-watershed, the net load was split in a manner that was consistent with the 2012 ERD study; 90% to Queens Mirror and 10% to Middle Lake Triplet. For the Yvonne Lake sub-watershed, 10% of the net load was allocated to Middle Lake Triplet per the 2012 ERD study. The remainder was retained in the Yvonne system.

Section 4
H&H Modeling Methodology

As mentioned previously, the stormwater model for this study was initially based on an existing model for the Gee Creek Watershed prepared in 1996. SAI recently converted this model to ICPRv3. With the exception of changes discussed in this section, the model was used as-is for this conceptual evaluation. The drainage area of the Gee Creek model included the limits of the Golf Course study area. Model input data was revised, where necessary, to incorporate new stormwater management features and landuse changes within the study area based on as-builts, construction plans, and field reconnaissance performed by SAI. This effort was limited to the project study area with a focus on the following developments:

- Residential development east of Lost Lake,
- Triplet Lake Drive improvements,
- US Highway 17-92 at SR 436 improvements,
- Stormwater pond development at Anchor Road, and
- Commercial development along Lemon Lane.

The resulting model was used to evaluate current drainage system functions and as a base to prepare design conditions models for the evaluation of conceptual designs of potential development of the Golf Course.

The hydrologic and hydraulic (H&H) stormwater models used in the evaluations simulate the rainfall-runoff process and determine hydraulic responses throughout the study area for each of the required storm events. The Interconnected Channel and Pond Routing Model (ICPR©, Version 3.10 Service Pack 11) was used for this purpose. ICPR uses a junction-reach (node-link) representation of the watershed. Using site characteristics, ICPR calculates rates and volumes of stormwater runoff and then hydrodynamically routes the runoff through the modeled drainage network. ICPR has been accepted by the Federal Emergency Management Agency (FEMA) for use on floodplain investigations associated with flood insurance applications. The following sections present a discussion of the development of the H&H models as well as the design approach for pollutant loading calculations and analysis.

The following describes the approach used to update the original model and develop the revised existing conditions and conceptual design conditions models.

4.1 Hydrologic Data Development

The SCS unit hydrograph method was used in ICPR to generate runoff rates for each sub-basin in the study area. Several hydrologic parameters are required to implement this method of generating runoff hydrographs. These include drainage area, runoff curve number, percent of directly connected impervious area, time of concentration, rainfall distribution and amount, and peak rate factor. This section describes the development of all parameters necessary to implement the SCS unit hydrograph procedure.

4.1.1 Drainage Sub-Basin Data: The sub-basins delineated for the study were based on the previously conducted Gee Creek model. Additional information within the project study limits was collected in order to verify and further discretize sub-basins around the golf course and newly developed areas. These sub-basins were refined based on collected plan information and available LiDAR (Seminole County, 2015; SJRWMD, 2001, 2005) and aerials (FDOT and Seminole County, 2015). The resulting drainage sub-basin delineations are shown on **Figure 4.1**.

4.1.2 Drainage Areas and Curve Numbers Values of drainage area and weighted SCS curve numbers (CN) were calculated using ArcMap Version 10.2. Curve number calculations were based on SJRWMD landuse layer and NRCS soils layer for Seminole County. The landuse layer from SJRWMD (~2009) was reviewed and updated, where necessary, based on the most recent aerial photography available (FDOT and Seminole County, 2015). A Land Use Map is included as **Figure 4.2**. The most abundant land use within the study area is medium density residential. Several other significant land uses include commercial, high density residential, golf course and wetlands. A Soils Map is presented on **Figure 4.3**. The mixed hydrologic soil groups were changed to non-mixed groups for CN calculations.

Groups were chosen to be more conservative. (i.e., B/D was changed to D). Soils throughout the study area are overwhelmingly classified as type D soils. CN values for the various landuse/soil combinations found in the study area are shown in **Appendix D** along with the detailed weighting calculations that were performed to determine sub-basin values.

4.1.3 Time of Concentration: Time of concentration (TC) values included in the original model were reviewed by SAI. New TC values were calculated for revised or new basins located within the study area. The minimum TC value (for small basins and basins with a large percentage of impervious area) was 15 min to be consistent with the original model.

4.1.4 Unit Hydrograph and Rainfall: A unit hydrograph is the runoff response of a given basin (in terms of runoff rate versus time) that would result from 1 inch of rainfall excess. The assumption for this method is that each basin has a characteristic unit hydrograph that is a unique function of its physical configuration.

The unit hydrograph method requires that the rainfall event be divided into discrete increments over fixed time intervals. Infiltration is subtracted from each incremental value and the remainder represents the rainfall excess. Each increment of rainfall excess is then applied to the basin's unit hydrograph to obtain a response for the discrete time interval. Responses for all rainfall increments are then distributed in sequence and summed to produce a "composite" sub-basin runoff hydrograph.

The shape of the basin unit hydrograph is also dependent on the peak rate factor, K'. The peak rate factor may be calculated if measured rainfall and runoff rate information are available for a given area. However, it is more commonly selected based on overall watershed properties such as the amount of depressional storage, degree of development, and overall slope of the study area. A value of 323 was used for the study area, which is consistent with the original model data. All rainfall events were based on the SCS Type II –Florida Modified distribution. Total rainfall volumes for the various storm events are listed below in **Table 4.1.**

Table 4.1 Rainfall Events

Return Period	Duration	Rainfall Depths (in.)
Mean Annual	24-hour	4.4
10-year	24-hour	6.8
25-year	24-hour	8.5
100-year	24-hour	11.5

4.2 Hydraulic Data Development

Hydraulic requirements for the ICPR model consist of two general data types: node data and link data. A node is defined as a discrete location in the drainage system where stages are computed (ponds, major inflow points, slope or geometry changes, etc.). Links are used to connect nodes together and convey water between them (pipes, channels, weirs, etc.). The initial source of node and link data was the original Gee Creek ICPR model. Additional nodes and links were added to include specific new developments within the Golf Course study area. Locations of those additional nodes and links were obtained from plans (mentioned above) and aerials. A detailed existing conditions nodal diagram including the identification of links and node locations is depicted on **Figure 4.1**.

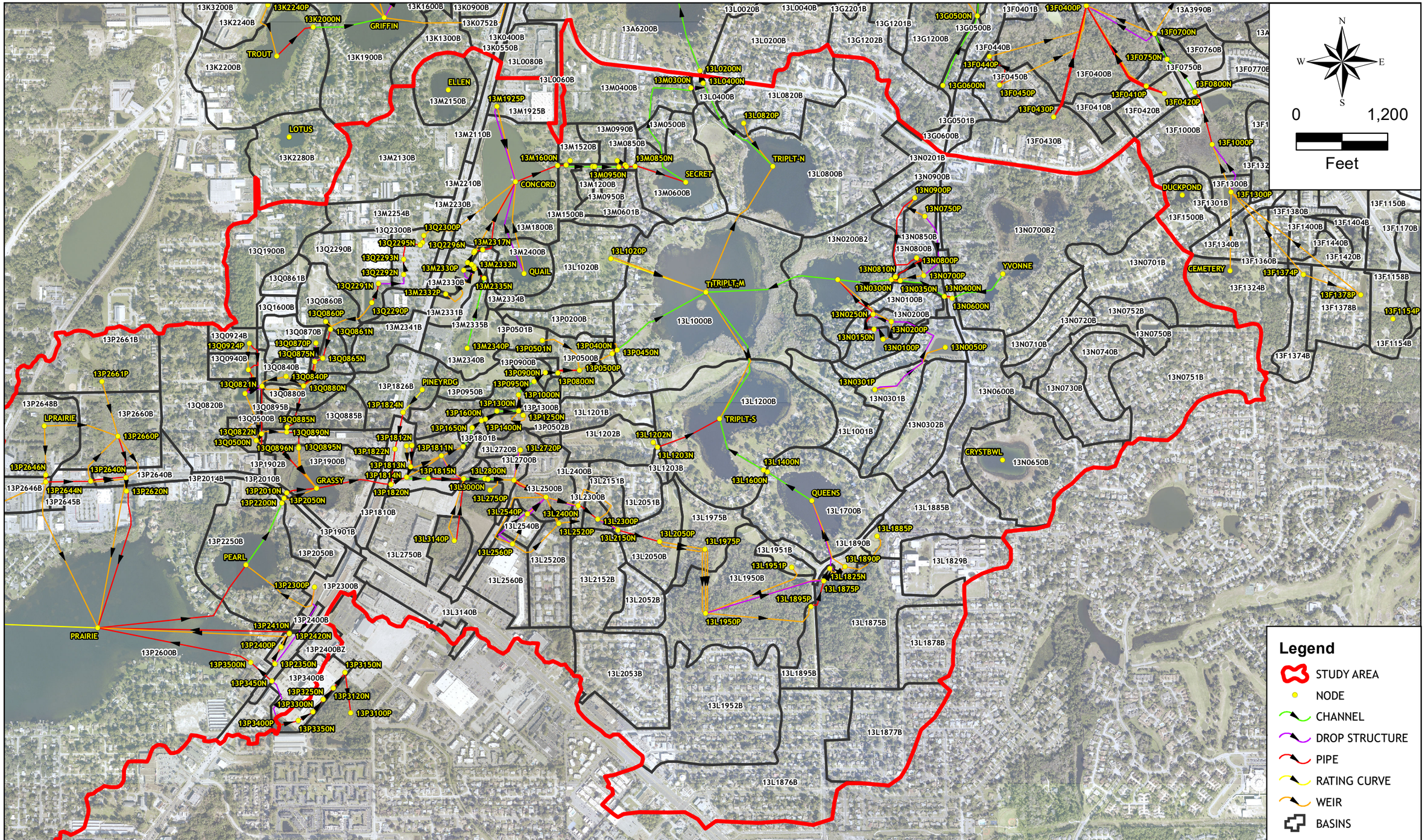
4.2.1 Node Data: Node data requirements for ICPR include the node name and group, storage relationships (i.e., stage vs area, etc.) for pond, depressional or overbank areas, stage-time relationships for boundary conditions, initial water surface elevations, warning elevations, and base flow rates (groundwater seepage, wastewater discharges, etc.), where appropriate.

Stage-Area Data**:** Node storage data, in the form of stage vs area relationships, were initially based on the original ICPR model information. These data were recalculated for revised and/or additional node locations. The revised and additional storage data were derived from the delineated basins using the available terrain data.

Boundary Conditions: Boundary conditions were based on the information provided in the original ICPR model. The boundary node for the model is located at Lake Jesup and is represented as a time-stage node.

Initial Conditions and Base Flow: ICPR requires an initial water surface elevation for all nodes in the model. The program automatically calculates initial flows through the links based on these initial water surface elevations. Initial elevations were based on the original model except for updated areas which were based on control elevations (i.e., orifice, ditch or culvert inverts, etc.) throughout the network.

Warning Elevations: Warning elevations are assigned to nodes as “flags” or reference elevations. They are not used in calculations but are included in various output reports so that the user of the model can quickly identify flooding or other issues when evaluating calculated water levels.



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EXISTING CONDITIONS NODAL NETWORK MAP

FIGURE: 4.1

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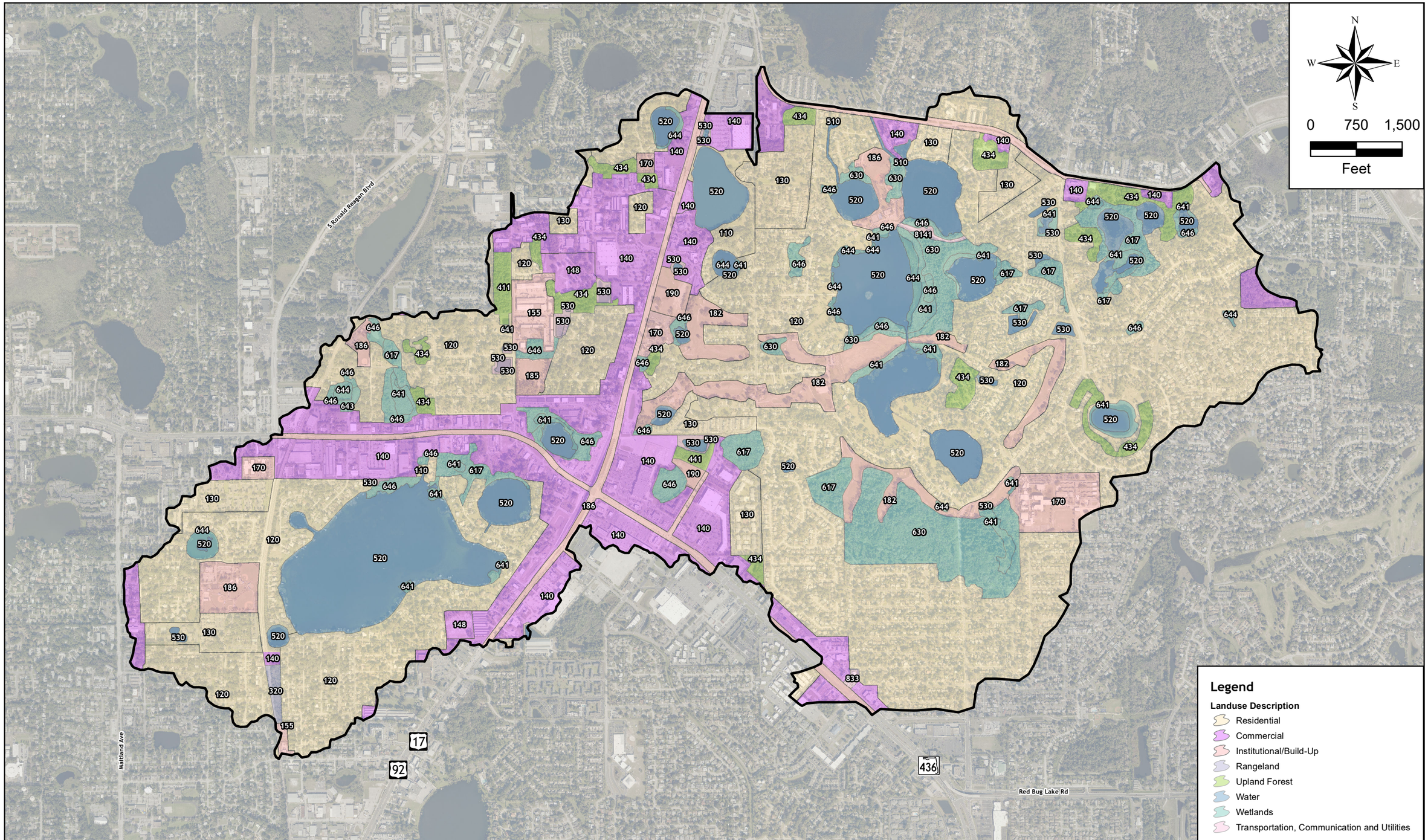

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LAND USE MAP

FIGURE: 4.2

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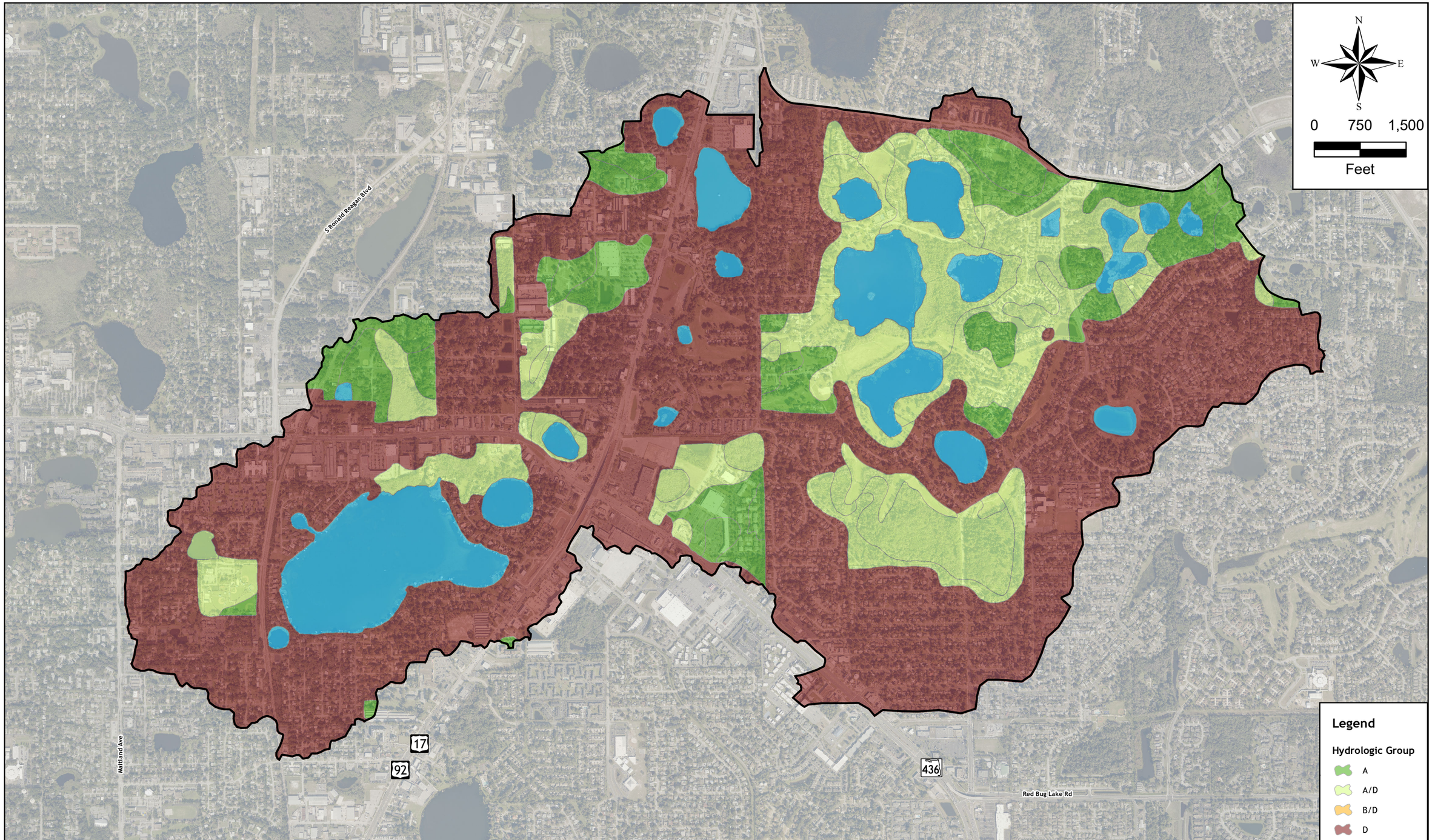

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NRCS SOILS MAP

FIGURE: 4.3

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Section 5
Existing Conditions Analyses

The existing conditions analyses were conducted to establish baseline conditions for later use in evaluating the effectiveness of various conceptual alternatives on both water quality and flood stages.

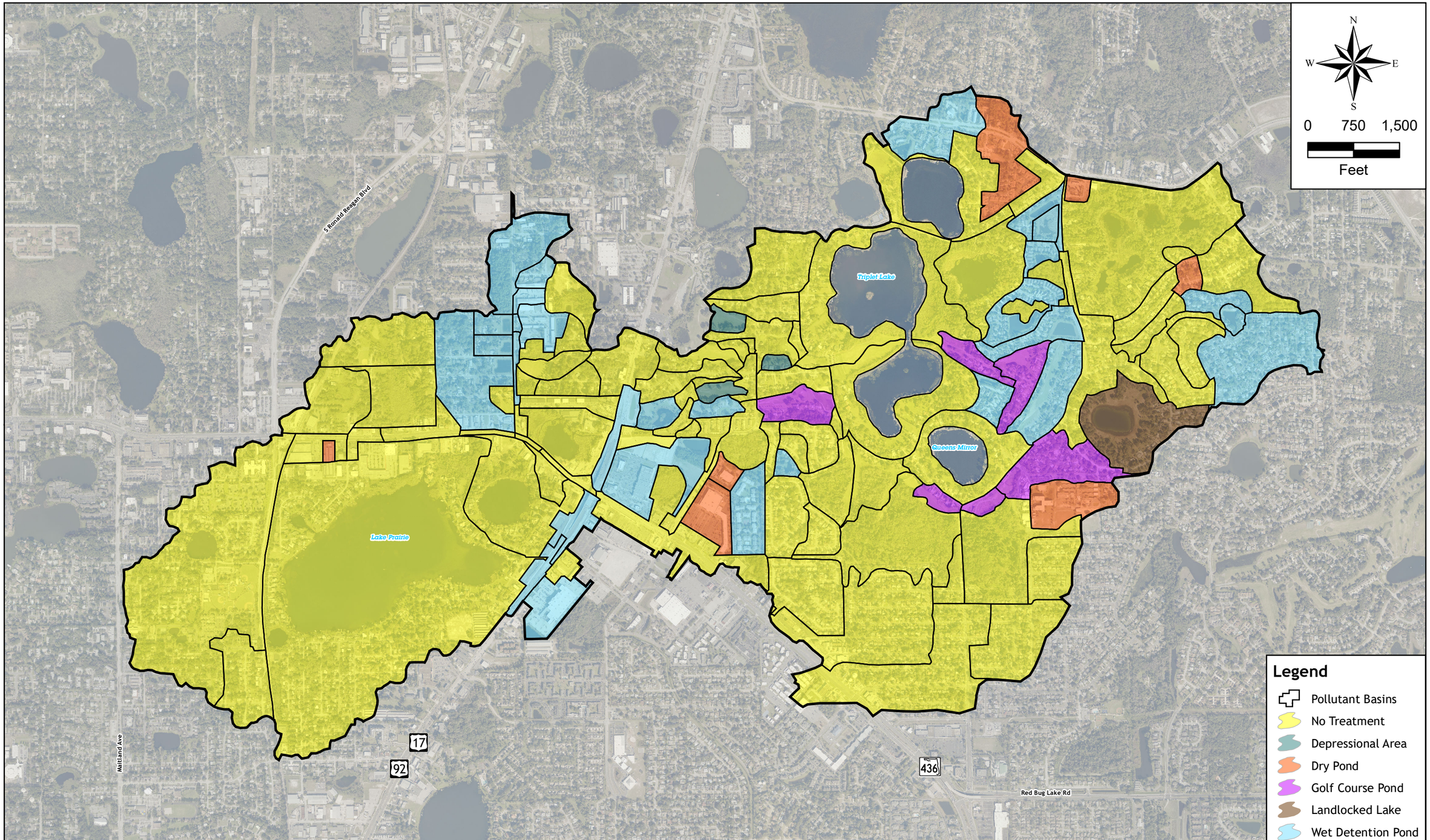
5.1 Existing Conditions Evaluation – Pollutant Load Estimates

Annual runoff volumes and pollutant load estimates were calculated based on the methodologies discussed in **Section 3** for each of the four lakes in the Queens Mirror and Triplet chain of lakes. **Table 5.1** presents the results of these analyses. Detailed information on the pollutant load analysis is included in **Appendix B**.

The majority of the study area (**Figure 5.1**) has no form of treatment to reduce the stormwater-based nutrient loads to the subject lakes. The majority of the runoff, and therefore nutrient load, is discharged into Queens Mirror Lake which subsequently drains through the Triplet chain of lakes.

Table 5.1: Existing Condition Pollutant Load Analysis Results

Lake	Parameter	Units	Existing Condition Results
Queens Mirror Lake	Lake System Area (incl. Grassy system)	acres	1574
	Net Runoff to Lake	ac-ft/yr	1360
	Average Total N Concentration	mg/L	1.350
	Average Total P Concentration	mg/L	0.145
	Net Total N Loading to Lake	lbs/yr	4994
	Net Total P Loading to Lake	lbs/yr	537
South Lake Triplet	Lake System Area	acres	115
	Net Runoff to Lake	ac-ft/yr	45
	Average Total N Concentration	mg/L	1.261
	Average Total P Concentration	mg/L	0.098
	Net Total N Loading to Lake	lbs/yr	154
	Net Total P Loading to Lake	lbs/yr	12
Middle Lake Triplet	Lake System Area	acres	659
	Net Runoff to Lake	ac-ft/yr	271
	Average Total N Concentration	mg/L	1.190
	Average Total P Concentration	mg/L	0.108
	Net Total N Loading to Lake	lbs/yr	878
	Net Total P Loading to Lake	lbs/yr	79
North Lake Triplet	Lake System Area	acres	110
	Net Runoff to Lake	ac-ft/yr	51
	Average Total N Concentration	mg/L	1.076
	Average Total P Concentration	mg/L	0.099
	Net Total N Loading to Lake	lbs/yr	149
	Net Total P Loading to Lake	lbs/yr	14
Overall Totals	Total Area	acres	2457
	Net Runoff to Lakes	ac-ft/yr	1728
	Average Total N Concentration	mg/L	-
	Average Total P Concentration	mg/L	-
	Net Total N Loading to Lakes	lbs/yr	6176
	Net Total P Loading to Lakes	lbs/yr	642



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EXISTING TREATMENT SUB-BASIN MAP

FIGURE: 5.1

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5.2 Existing Conditions Evaluation – H&H Analysis

The existing conditions stormwater model (GCS-GeeCreek_Existing_88.ICP) was developed based upon the approach described in **Section 4**. **Figure 4.1** shows the existing conditions drainage sub-basins and nodal network used for the study. Discussions of model results are provided below. The existing conditions model input data, output data, and results are included in **Appendix D**.

5.2.1 Existing Drainage Patterns: Flow within the study area generally flows through the series of ponds toward the north. The majority of the study area from the west flows through Queens Mirror Lake and then to South Lake Triplet and onward to the north. A drainage divide is located just east of 17-92 however, that splits the flow of runoff between Queens Mirror Lake and Middle Lake Triplet. Middle Lake Triplet also receives some runoff from Lost Lake located to the east.

As previously mentioned, the boundary node for the model is Lake Jesup. Within the Golf Course study area, there is one primary outfall location from the Triplet Chain-of-Lakes system. The primary outfall for these lakes is through three 4'x6' box culverts under Seminola Road that connects North Lake Triplet to Lake Kathryn.

5.2.2 Known Drainage Concerns: Drainage issues have been reported along the front nine holes of the golf course which is located at the eastern portion of the project site. These holes can be difficult to play during even smaller storm events due to poor drainage. Topography along the back nine (western) holes are typically a little higher with fewer reported flooding issues.

5.3 Simulation Results & Summary

Model simulations were generated for the mean annual, 10-year, 25-year, and 100-year 24-hour storm events. **Table 5.2** shows peak stage results for the existing conditions model. The floodplain map for the existing conditions drainage network is shown on **Figure 5.2** which depicts the limits of the mean annual, 10, 25, and 100-year storm results. Results of the existing conditions model appear to be consistent with the reported flooding issues throughout the golf course. As shown on the floodplain map, the front nine (eastern) holes show fairly extensive flooding for just the mean annual storm event. This is particularly true for holes 1, 2, 7, and 8. The back nine holes, however, show very little flooding for the mean annual and even the 10-year storm events.

The full model results are included in **Appendix D**.

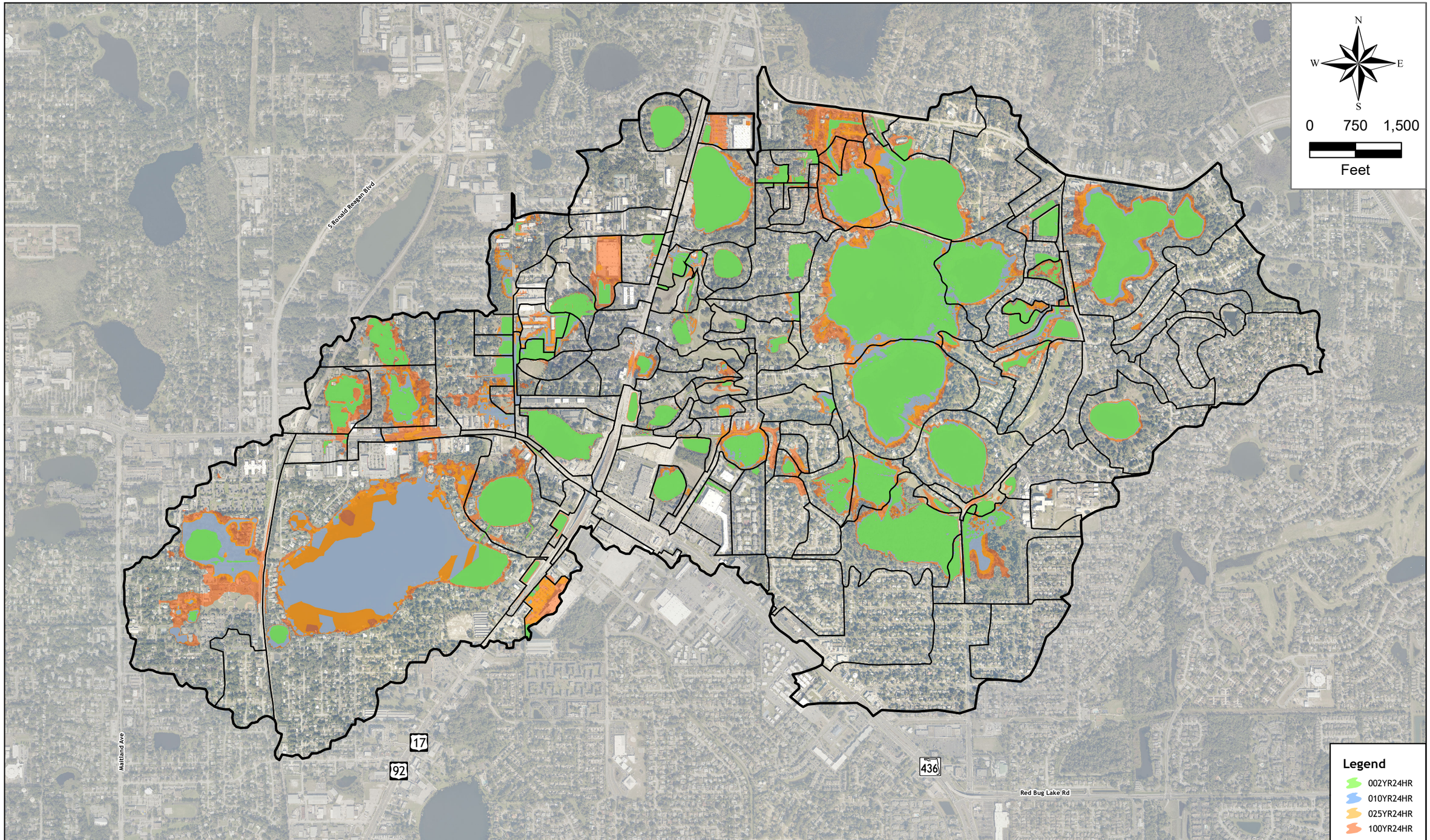
Casselberry Golf Course Stormwater Study

Table 5.2 Existing Conditons Maximum Stage Results

Node ID	Peak Stage (ft)			
	100-yr 24-hr	25-yr 24-hr	10-yr 24-hr	Mean Annual
13L0020N	54.5	54.2	54.1	53.4
13L0040P	54.6	54.1	53.8	53.1
13L0200N	54.3	53.6	53.0	51.9
13L0400N	54.8	53.8	53.1	51.9
13L0820P	54.8	53.8	53.1	51.9
13L1020P	55.2	55.0	54.9	54.7
13L1202N	63.3	62.3	61.6	60.5
13L1203N	63.3	62.3	61.6	60.5
13L1400N	55.2	54.1	53.4	52.3
13L1600N	55.5	54.4	53.8	52.6
13L1825N	57.2	56.2	55.7	54.8
13L1875P	57.3	56.7	56.2	55.3
13L1895P	58.1	57.2	56.8	55.9
13L1950P	58.1	57.2	56.8	55.9
13L1951P	58.1	57.2	56.8	56.4
13L1975P	58.1	57.2	56.8	56.0
13L2050P	58.1	57.2	57.0	56.6
13L2150N	69.3	65.0	64.0	61.5
13L2300P	69.4	67.7	66.9	65.1
13L2400N	73.0	70.5	69.5	67.1
13L2520P	76.0	75.8	75.7	75.6
13L2540P	75.0	74.3	74.0	73.2
13L2560P	82.6	82.5	82.4	82.3
13L2700N	74.7	74.1	72.7	71.3
13L2720P	76.2	75.4	74.7	73.7
13L2750P	79.0	78.7	78.4	78.0
13L2800N	75.0	74.4	73.3	72.4
13L3000N	77.7	75.6	75.1	74.3
13L3100N	77.9	76.1	75.7	74.9
13L3140P	84.5	84.0	83.5	82.7
13M0300N	55.6	54.4	53.4	52.1
13M0850N	55.9	54.6	53.7	52.4
13M0950N	56.5	55.7	55.3	54.4
13M0970N	57.8	57.4	57.0	55.4
13M0990P	58.5	58.4	58.3	58.2
13M1100N	57.7	56.8	56.4	54.7
13M1200N	57.8	56.9	56.5	55.5
13M1400N	57.9	57.0	56.6	56.1
13M1500N	58.0	57.3	57.1	56.7
13M1520P	62.0	61.8	61.6	61.4
13M1600N	60.1	58.8	57.8	56.7
13M1925P	67.6	66.1	64.9	63.4
13M2317N	61.5	60.1	60.0	59.7
13M2318N	61.8	60.2	60.2	60.2
13M2319N	61.8	60.4	60.4	60.3
13M2320N	61.9	60.8	60.7	60.5
13M2330P	70.8	70.4	70.1	69.1
13M2331N	70.8	70.4	70.1	69.1
13M2332P	74.5	74.4	74.3	74.0
13M2333N	69.4	69.0	68.6	67.4
13M2334N	70.9	70.4	70.1	69.1
13M2335N	71.4	71.1	70.9	70.6
13M2340P	72.1	71.8	71.7	71.3
13N0050P	59.5	59.0	58.8	57.2

Node ID	Peak Stage (ft)			
	100-yr 24-hr	25-yr 24-hr	10-yr 24-hr	Mean Annual
13N0100P	55.7	55.0	54.5	53.6
13N0150N	55.4	54.2	53.8	52.6
13N0200P	55.7	55.0	54.5	54.2
13N0250N	55.2	54.1	53.3	52.2
13N0300N	55.2	54.1	53.4	52.2
13N0301P	59.5	58.8	58.6	58.3
13N0350N	55.4	54.2	53.5	52.9
13N0400N	55.5	54.4	54.0	53.3
13N0600N	56.3	55.1	54.3	53.4
13N0700P	55.4	54.4	54.4	54.3
13N0750P	54.8	53.7	53.5	53.2
13N0800P	55.5	55.3	55.2	53.8
13N0805N	55.3	54.9	54.7	53.6
13N0810N	55.2	54.2	53.5	52.2
13N0900P	56.2	55.5	55.3	53.8
13P0400N	58.9	58.7	58.3	57.3
13P0450N	56.1	55.8	55.7	55.4
13P0500P	61.8	61.4	61.1	60.5
13P0501N	71.5	71.4	71.3	71.1
13P0800N	66.3	65.8	65.5	65.0
13P0900N	68.6	68.4	68.2	68.1
13P0950N	74.4	72.9	71.7	70.0
13P1000N	74.4	72.9	71.7	70.3
13P1200N	75.2	73.4	72.9	72.1
13P1250N	75.2	74.8	74.8	74.6
13P1300N	75.5	74.4	74.1	73.7
13P1400N	75.9	75.4	75.1	74.8
13P1600N	76.7	76.1	75.9	75.6
13P1650N	77.1	76.5	76.3	75.9
13P1700N	77.7	76.9	76.6	76.3
13P1800P	78.3	77.5	77.2	76.9
13P1810P	86.0	85.2	84.8	84.3
13P1811N	85.3	84.9	84.7	84.3
13P1812N	84.8	83.8	83.1	82.2
13P1813N	81.8	81.7	81.5	81.3
13P1814N	78.9	78.8	78.7	78.6
13P1815N	78.3	77.3	77.2	76.9
13P1820N	83.8	82.9	82.5	81.6
13P1822N	83.9	83.0	82.6	82.4
13P1824N	84.1	83.6	83.5	83.3
13P2010N	86.3	85.4	85.0	84.3
13P2050N	86.8	86.3	85.9	85.4
13P2200N	86.8	86.3	85.9	85.4
13P2300P	92.2	91.1	90.4	89.5
13P2350N	91.5	90.6	90.1	89.4
13P2400P	91.4	90.6	90.1	89.4
13P2410N	90.5	90.0	89.8	89.4
13P2420N	90.3	89.5	89.1	88.2
13P2620N	88.3	87.3	86.7	85.9
13P2640N	90.0	89.7	88.8	87.6
13P2643N	90.9	90.9	90.8	89.6
13P2644N	93.2	92.9	92.8	92.6
13P2646N	93.2	92.9	92.8	92.6
13P2660P	90.0	89.0	88.4	87.7

Node ID	Peak Stage (ft)			
	100-yr 24-hr	25-yr 24-hr	10-yr 24-hr	Mean Annual
13P2661P	90.1	89.9	89.8	89.6
13P3100P	0.0	0.0	0.0	0.0
13P3120N	96.1	93.9	92.8	91.6
13P3150N	94.4	92.9	92.2	91.4
13P3250N	96.7	94.2	93.1	91.7
13P3300N	97.1	94.4	93.2	91.8
13P3350N	97.3	94.5	93.3	91.8
13P3400P	97.4	94.6	93.3	91.9
13P3450N	96.3	94.0	92.9	91.7
13P3500N	88.2	87.3	86.7	85.9
13Q0500N	88.9	86.5	84.9	84.5
13Q0820P	90.2	90.0	89.6	88.2
13Q0821N	89.7	89.2	88.6	87.4
13Q0822N	88.9	86.1	86.0	85.7
13Q0840P	89.7	89.2	88.6	87.4
13Q0860P	88.3	88.1	88.0	87.9
13Q0861N	88.3	88.2	88.0	87.5
13Q0865N	89.4	88.8	88.4	87.4
13Q0870P	89.4	88.8	88.4	87.4
13Q0875N	89.5	89.0	88.4	87.3
13Q0880N	89.7	89.2	88.6	87.3
13Q0885N	88.0	87.1	86.6	86.2
13Q0890N	87.6	86.7	86.2	85.8
13Q0895N	86.4	85.6	85.3	85.1
13Q0896N	86.4	85.5	85.2	85.0
13Q0924P	90.3	90.0	89.6	88.7
13Q0940P	90.3	90.0	89.6	88.5
13Q2290P	88.3	85.5	83.3	80.8
13Q2291N	88.0	85.2	83.1	80.8
13Q2292N	78.8	78.4	78.2	77.0
13Q2293N	77.3	77.0	76.8	76.1
13Q2294N	76.8	76.5	76.4	76.1
13Q2295N	76.8	76.5	76.4	76.0
13Q2296N	76.8	76.5	76.3	76.0
13Q2300P	76.8	76.5	76.3	76.0
CONCORD	61.2	59.9	59.1	58.0
CRYSTBWL	62.1	61.1	60.4	59.6
ELLEN	66.8	66.2	65.9	65.4
GRASSY	86.3	85.4	85.0	84.3
LOST	55.2	54.1	53.3	52.1
LPRAIRIE	93.1	92.9	92.6	92.4
MALTBIE	90.1	88.8	88.0	86.1
OXFORD	74.5	73.4	72.0	70.9
PEARL	88.2	87.3	86.7	85.9
PINEYRDG	87.5	86.2	85.2	84.0
PRAIRIE	88.2	87.3	86.7	85.9
QUAIL	64.4	63.6	63.2	62.7
QUEENS	55.5	54.5	53.9	52.7
SECRET	55.6	54.4	53.4	52.1
TRIPLT-M	55.2	54.1	53.3	52.1
TRIPLT-N	54.8	53.8	53.1	51.9
TRIPLT-S	55.2	54.1	53.3	52.1
YVONNE	56.4	55.4	54.7	53.7



SINGHOFEN & ASSOCIATES, INC.

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

EXISTING CONDITIONS FLOODPLAIN MAP

FIGURE: 5.2

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 5.2-FloodplainMap_Existing.mxd)
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5.4 Soil Contamination Locations

A Phase II Environmental Site Assessment was conducted for the project site and incorporated into the 2015 report prepared by Ardaman & Associates, Inc. Historic application of pesticides and herbicides throughout the golf course may have caused accumulation of arsenic and other contaminants, particularly around the tee boxes and greens. The study identified the presence of soil contamination at multiple locations throughout the golf course site but does not provide a comprehensive evaluation over the entire project area. **Figure 5.3** provides a summary of the locations where boring results identified potential soil contamination as listed in the Ardaman report. The borings that were conducted were relatively spread out and do not define the limits/extent of the contaminated areas and depths. The proposed design solutions presented in **Section 6** were intended to avoid the identified contamination areas as much as possible. However, actual locations and extents of contamination will need to be verified when proceeding to final designs.

SAI **SINGHOFEN & ASSOCIATES, INC.** STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY GOLF COURSE STUDY**	**SOIL CONTAMINATION MAP**	**FIGURE 5.3**

Section 6
Design Development and Evaluation

6.1 Design Development

The primary goal of this study is to evaluate the feasibility of conceptual stormwater improvements on the golf course including evaluation of potential benefits (i.e. flood control, water quality improvements, etc.). The current golf course layout is presented on **Figure 6.1**.

SAI evaluated design alternatives for three primary scenarios:

- **Scenario 1** assumes the City will continue to operate the project site as an 18-hole golf course and includes stormwater improvements that can be implemented while maintaining the general play of the course as it currently is;
- **Scenario 2** assumes the project site will be converted to a 9-hole golf course with the eastern portion (front 9 holes) being eliminated and replaced with stormwater improvements;
- **Scenario 3** assumes the City will no longer utilize the site as a golf course (i.e., the golf course is eliminated) and maximizes stormwater enhancements throughout the project site.

Design options for each scenario were developed and are presented in this section. Additionally, other design improvements are also presented such as bridge improvements and maintenance access to South Lake Triplet, which can be implemented on their own or in conjunction with any of the other three scenarios.

The following sections discuss various aspects of the designs including design descriptions, flood mitigation, water quality improvements, and cost estimates. It should be noted that each scenario includes several design components that can be constructed individually or in conjunction with other proposed solutions. **Table 6.1** summarizes the results of the peak stages for each scenario in comparison to the existing conditions max stage results.

While the design alternatives presented in this section have been developed to minimize work within areas of identified soil contamination as discussed in **Section 5**, actual locations and extents of all soil contamination are unknown. For purposes of estimating the cost for removal and disposal of contaminated soil, several assumptions have been made in the preparation of the construction costs included in this report. Where new ponds are to be located near an identified contamination location it is assumed that five percent (5%) of the earthwork for the proposed ponds will be contaminated. The cost for removal and disposal of this assumed quantity of contaminated soil is assumed to be $100 per ton at 1.5 tons per cubic yard as recommended in discussions with Ardaman & Associates, Inc.

Another possibility would be to store the contaminated soil onsite as opposed to disposing of it offsite. This option would need to be further evaluated during final design should the City want to pursue it. The viability of this option would be dependent on the volume of contaminated soil and, if Scenario 1 or 2, how the golf course would be affected by the stockpile area(s). For the purposes of this study it is assumed that the soil will be removed and disposed of as mentioned above.

In addition, the cost estimates included in this report do not include costs for littoral plantings. Additional costs for native plantings and littoral zones may be required.

The cost estimates included in this report include the initial/upfront construction costs as well as annual maintenance costs for each design. Total life cycle costs are included which represent the present day value. In order to convert future annual costs to a present day value it was assumed that the inflation rate was equal to the interest rate.

SAI SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	CITY OF CASSELBERRY GOLF COURSE STUDY	EXISTING GOLF COURSE LAYOUT	FIGURE 6.1

Casselberry Golf Course Stormwater Opportunity Feasibility Study

Table 6.1: Node Maximum Stage Comparison

Node ID	100-yr 24-hr							25-yr 24-hr							10-yr 24-hr							Mean Annual						
	Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3	
	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)
13L0020N	54.5	54.5	0.0	54.5	0.0	54.5	0.0	54.2	54.2	0.0	54.2	0.0	54.2	0.0	54.1	54.1	0.0	54.1	0.0	54.1	0.0	53.4	53.4	0.0	53.4	0.0	53.4	0.0
13L0040P	54.6	54.6	0.0	54.6	0.0	54.6	0.0	54.1	54.1	0.0	54.1	0.0	54.1	0.0	53.8	53.8	0.0	53.8	0.0	53.8	0.0	53.1	53.1	0.0	53.1	0.0	53.1	0.0
13L0200N	54.3	54.3	0.0	54.3	0.0	54.3	0.0	53.6	53.6	0.0	53.6	0.0	53.5	-0.1	53.0	53.0	0.0	53.0	0.0	53.0	0.0	51.9	51.9	0.0	51.9	0.0	51.9	0.0
13L0400N	54.8	54.8	0.0	54.7	-0.1	54.7	-0.1	53.8	53.8	0.0	53.8	0.0	53.7	-0.1	53.1	53.1	0.0	53.0	-0.1	53.0	-0.1	51.9	51.9	0.0	51.9	0.0	51.9	0.0
13L0820P	54.8	54.8	0.0	54.8	0.0	54.7	-0.1	53.8	53.8	0.0	53.8	0.0	53.7	-0.1	53.1	53.1	0.0	53.1	0.0	53.0	-0.1	51.9	51.9	0.0	51.9	0.0	51.9	0.0
13L1020P	55.2	55.2	0.0	55.2	0.0	55.2	0.0	55.0	55.0	0.0	55.0	0.0	55.0	0.0	54.9	54.9	0.0	54.9	0.0	54.9	0.0	54.7	54.7	0.0	54.7	0.0	54.7	0.0
13L1202N	63.3	63.0	-0.3	63.3	0.0	63.3	0.0	62.3	61.9	-0.4	62.3	0.0	62.3	0.0	61.6	61.2	-0.4	61.6	0.0	61.6	0.0	60.5	59.6	-0.9	60.5	0.0	60.5	0.0
13L1203N	63.3	63.0	-0.3	63.3	0.0	63.3	0.0	62.3	61.9	-0.4	62.3	0.0	62.3	0.0	61.6	61.2	-0.4	61.6	0.0	61.6	0.0	60.5	58.8	-1.7	60.5	0.0	60.5	0.0
13L1400N	55.2	55.2	0.0	55.2	0.0	55.1	-0.1	54.1	54.1	0.0	54.1	0.0	54.0	-0.1	53.4	53.4	0.0	53.4	0.0	53.3	-0.1	52.3	52.3	0.0	52.2	-0.1	52.2	-0.1
13L1600N	55.5	55.4	-0.1	55.4	-0.1	55.4	-0.1	54.4	54.4	0.0	54.3	-0.1	54.3	-0.1	53.8	53.8	0.0	53.6	-0.2	53.6	-0.2	52.6	52.6	0.0	52.4	-0.2	52.4	-0.2
13L1825N	57.2	57.2	0.0	57.0	-0.2	56.9	-0.3	56.2	56.2	0.0	55.7	-0.5	55.7	-0.5	55.7	55.7	0.0	55.2	-0.5	55.2	-0.5	54.8	54.8	0.0	54.5	-0.3	54.5	-0.3
13L1875P	57.3	57.2	-0.1	57.0	-0.3	57.0	-0.3	56.7	56.6	-0.1	56.3	-0.4	56.3	-0.4	56.2	56.1	-0.1	55.8	-0.4	55.8	-0.4	55.3	55.1	-0.2	54.9	-0.4	54.9	-0.4
13L1895P	58.1	58.1	0.0	58.0	-0.1	57.9	-0.2	57.2	57.2	0.0	57.0	-0.2	57.0	-0.2	56.8	56.7	-0.1	56.6	-0.2	56.6	-0.2	55.9	55.9	0.0	55.8	-0.1	55.8	-0.1
13L1950P	58.1	58.1	0.0	58.0	-0.1	57.9	-0.2	57.2	57.2	0.0	57.0	-0.2	57.0	-0.2	56.8	56.7	-0.1	56.6	-0.2	56.6	-0.2	55.9	55.9	0.0	55.8	-0.1	55.8	-0.1
13L1951P	58.1	58.1	0.0	-	-	-	-	57.2	57.2	0.0	-	-	-	-	56.8	56.7	-0.1	-	-	-	-	56.4	56.3	-0.1	-	-	-	-
13L1975P	58.1	58.1	0.0	58.0	-0.1	57.9	-0.2	57.2	57.2	0.0	57.0	-0.2	57.0	-0.2	56.8	56.7	-0.1	56.6	-0.2	56.6	-0.2	56.0	56.0	0.0	55.8	-0.2	55.7	-0.3
13L2050P	58.1	58.1	0.0	58.9	0.8	58.9	0.8	57.2	57.2	0.0	58.4	1.2	58.4	1.2	57.0	56.9	-0.1	58.1	1.1	58.1	1.1	56.6	56.3	-0.3	57.3	0.7	57.3	0.7
13L2150N	69.3	68.6	-0.7	68.6	-0.7	68.3	-1.0	65.0	62.9	-2.1	62.9	-2.1	62.9	-2.1	64.0	62.5	-1.5	62.5	-1.5	62.5	-1.5	61.5	60.6	-0.9	60.6	-0.9	60.6	-0.9
13L2300P	69.4	68.8	-0.6	68.8	-0.6	68.7	-0.7	67.7	66.9	-0.8	66.9	-0.8	66.9	-0.8	66.9	66.2	-0.7	66.2	-0.7	66.1	-0.8	65.1	65.0	-0.1	65.0	-0.1	65.0	-0.1
13L2400N	73.0	72.9	-0.1	72.9	-0.1	72.8	-0.2	70.5	70.1	-0.4	70.1	-0.4	70.1	-0.4	69.5	68.9	-0.6	68.9	-0.6	68.8	-0.7	67.1	67.1	0.0	67.1	0.0	67.1	0.0
13L2520P	76.0	76.0	0.0	76.0	0.0	76.0	0.0	75.8	75.8	0.0	75.8	0.0	75.8	0.0	75.7	75.7	0.0	75.7	0.0	75.7	0.0	75.6	75.6	0.0	75.6	0.0	75.6	0.0
13L2540P	75.0	74.9	-0.1	74.9	-0.1	74.9	-0.1	74.3	74.3	0.0	74.3	0.0	74.3	0.0	74.0	74.0	0.0	74.0	0.0	74.0	0.0	73.2	73.2	0.0	73.2	0.0	73.2	0.0
13L2560P	82.6	82.6	0.0	82.6	0.0	82.6	0.0	82.5	82.5	0.0	82.5	0.0	82.5	0.0	82.4	82.4	0.0	82.4	0.0	82.4	0.0	82.3	82.3	0.0	82.3	0.0	82.3	0.0
13L2700N	74.7	74.6	-0.1	74.6	-0.1	74.6	-0.1	74.1	74.0	-0.1	74.0	-0.1	73.9	-0.2	72.7	72.6	-0.1	72.6	-0.1	72.4	-0.3	71.3	71.3	0.0	71.3	0.0	71.2	-0.1
13L2720P	76.2	76.2	0.0	76.2	0.0	76.1	-0.1	75.4	75.4	0.0	75.4	0.0	75.4	0.0	74.7	74.7	0.0	74.7	0.0	74.7	0.0	73.7	73.7	0.0	73.7	0.0	73.6	-0.1
13L2750P	79.0	79.0	0.0	79.0	0.0	79.0	0.0	78.7	78.7	0.0	78.7	0.0	78.7	0.0	78.4	78.4	0.0	78.4	0.0	78.4	0.0	78.0	78.0	0.0	78.0	0.0	78.0	0.0
13L2800N	75.0	75.0	0.0	75.0	0.0	75.0	0.0	74.4	74.3	-0.1	74.3	-0.1	74.1	-0.3	73.3	73.2	-0.1	73.2	-0.1	73.0	-0.3	72.4	72.4	0.0	72.4	0.0	72.4	0.0
13L3000N	77.7	77.5	-0.2	77.5	-0.2	77.5	-0.2	75.6	75.4	-0.2	75.4	-0.2	75.2	-0.4	75.1	75.0	-0.1	75.0	-0.1	74.8	-0.3	74.3	74.3	0.0	74.3	0.0	74.3	0.0
13L3100N	77.9	77.8	-0.1	77.8	-0.1	77.8	-0.1	76.1	76.0	-0.1	76.0	-0.1	75.8	-0.3	75.7	75.6	-0.1	75.6	-0.1	75.4	-0.3	74.9	74.9	0.0	74.9	0.0	74.9	0.0
13L3140P	84.5	84.5	0.0	84.5	0.0	84.5	0.0	84.0	84.0	0.0	84.0	0.0	84.0	0.0	83.5	83.5	0.0	83.5	0.0	83.5	0.0	82.7	82.7	0.0	82.7	0.0	82.7	0.0
13M0300N	55.6	55.6	0.0	55.6	0.0	55.6	0.0	54.4	54.4	0.0	54.4	0.0	54.3	-0.1	53.4	53.4	0.0	53.4	0.0	53.3	-0.1	52.1	52.1	0.0	52.1	0.0	52.1	0.0
13M0850N	55.9	55.9	0.0	55.9	0.0	55.9	0.0	54.6	54.6	0.0	54.6	0.0	54.5	-0.1	53.7	53.7	0.0	53.7	0.0	53.7	0.0	52.4	52.4	0.0	52.4	0.0	52.4	0.0
13M0950N	56.5	56.5	0.0	56.5	0.0	56.5	0.0	55.7	55.7	0.0	55.7	0.0	55.7	0.0	55.3	55.3	0.0	55.3	0.0	55.3	0.0	54.4	54.4	0.0	54.4	0.0	54.4	0.0
13M0970N	57.8	57.8	0.0	57.8	0.0	57.8	0.0	57.4	57.4	0.0	57.4	0.0	57.4	0.0	57.0	57.0	0.0	57.0	0.0	57.0	0.0	55.4	55.3	-0.1	55.3	-0.1	55.3	-0.1
13M0990P	58.5	58.5	0.0	58.5	0.0	58.5	0.0	58.4	58.4	0.0	58.4	0.0	58.4	0.0	58.3	58.3	0.0	58.3	0.0	58.3	0.0	58.2	58.2	0.0	58.2	0.0	58.2	0.0
13M1100N	57.7	57.7	0.0	57.7	0.0	57.7	0.0	56.8	56.8	0.0	56.8	0.0	56.8	0.0	56.4	56.4	0.0	56.4	0.0	56.4	0.0	54.7	54.7	0.0	54.7	0.0	54.7	0.0
13M1200N	57.8	57.8	0.0	57.8	0.0	57.8	0.0	56.9	56.9	0.0	56.9	0.0	56.9	0.0	56.5	56.5	0.0	56.5	0.0	56.5	0.0	55.5	55.5	0.0	55.5	0.0	55.5	0.0
13M1400N	57.9	57.9	0.0	57.9	0.0	57.8	-0.1	57.0	57.0	0.0	57.0	0.0	57.0	0.0	56.6	56.6	0.0	56.6	0.0	56.6	0.0	56.1	56.1	0.0	56.1	0.0	56.1	0.0
13M1500N	58.0	58.0	0.0	58.0	0.0	58.0	0.0	57.3	57.3	0.0	57.3	0.0	57.3	0.0	57.1	57.1	0.0	57.1	0.0	57.0	-0.1	56.7	56.7	0.0	56.7	0.0	56.7	0.0
13M1520P	62.0	62.0	0.0	62.0	0.0	62.0	0.0	61.8	61.8	0.0	61.8	0.0	61.8	0.0	61.6	61.6	0.0	61.6	0.0	61.6	0.0	61.4	61.4	0.0	61.4	0.0	61.4	0.0
13M1600N	60.1	60.1	0.0	60.1	0.0	60.0	-0.1	58.8	58.8	0.0	58.8	0.0	58.7	-0.1	57.8	57.8	0.0	57.8	0.0	57.7	-0.1	56.7	56.7	0.0	56.7	0.0	56.7	0.0
13M1925P	67.6	67.6	0.0	67.6	0.0	67.6	0.0	66.1	66.1	0.0	66.1	0.0	66.1	0.0	64.9	64.9	0.0	64.9	0.0	64.9	0.0	63.4	63.4	0.0	63.4	0.0	63.4	0.0
13M2317N	61.5	61.5	0.0	61.5	0.0	61.4	-0.1	60.1	60.1	0.0	60.1	0.0	60.0	-0.1	60.0	60.0	0.0	60.0	0.0	59.9	-0.1	59.7	59.7	0.0	59.7	0.0	59.4	-0.3
13M2318N	61.8	61.7	-0.1	61.7	-0.1	61.6	-0.2	60.2	60.2	0.0	60.2	0.0	60.2	0.0	60.2	60.2	0.0	60.2	0.0	60.2	0.0	60.2	60.2	0.0	60.2	0.0	60.1	-0.1
13M2319N	61.8	61.8	0.0	61.8	0.0	61.6	-0.2	60.4	60.4	0.0	60.4	0.0	60.4	0.0	60.4	60.4	0.0	60.4	0.0	60.3	-0.1	60.3	60.3	0.0	60.3	0.0	60.3	0.0
13M2320N	61.9	61.9	0.0	61.9	0.0	61.7	-0.2	60.8	60.8	0.0	60.8	0.0	60.7	-0.1	60.7	60.7	0.0	60.7	0.0	60.7	0.0	60.5	60.5	0.0	60.5	0.0	60.4	-0.1
13M2330P	70.8	70.8	0.0	70.8	0.0	70.7	-0.1	70.4	70.4	0.0	70.4	0.0	70.2	-0.2	70.1	70.1	0.0	70.1	0.0	69.9	-0.2	69.1	69.1	0.0	69.1	0.0	68.8	-0.3
13M2331N	70.8	70.8	0.0	70.8	0.0	70.7	-0.1	70.4	70.4	0.0	70.4	0.0	70.2	-0.2	70.1	70.1	0.0	70.1	0.0	69.9	-0.2	69.1	69.1	0.0	69.1	0.0	68.8	-0.3
13M2332P	74.5	74.5	0.0	74.5	0.0	74.5	0.0	74.4	74.4	0.0	74.4	0.0	74.4	0.0	74.3	74.3	0.0	74.3	0.0	74.3	0.0	74.0	74.0	0.0	74.0	0.0	74.0	0.0
13M2333N	69.4	69.4	0.0	69.4	0.0	69.2	-0.2	69.0	69.0	0.0	69.0	0.0	68.8	-0.2	68.6	68.6	0.0	68.6	0.0	68.4	-0.2	67.4	67.3	-0.1	67.3	-0.1	67.0	-0.4
13M2334N	70.9	70.9	0.0	70.9	0.0	70.8	-0.1	70.4	70.4	0.0	70.4	0.0	70.3	-0.1	70.1	70.1	0.0	70.1	0.0	70.0	-0.1	69.1	69.1	0.0	69.1	0.0	68.8	-0.3
13M2335N	71.4	71.4	0.0	71.4	0.0	71.2	-0.2	71.1	71.1	0.0	71.1	0.0	70.9	-0.2	70.9	70.9	0.0	70.9	0.0	70.8	-0.1	70.6	70.6	0.0	70.6	0.0	70.5	-0.1
13M2340P	72.1	72.1	0.0	72.1	0.0	71.9	-0.2	71.8	71.8	0.0	71.8	0.0	71.7	-0.1	71.7	71.7	0.0	71.7	0.0	71.5	-0.2	71.3	71.3	0.0	71.3	0.0	71.2	-0.1
13N0050P	59.5	57.8	-1.7	57.8	-1.7	57.8	-1.7	59.0	56.5	-2.5	56.5	-2.5	56.5	-2.5	58.8	55.6	-3.2	55.6	-3.2	55.6	-3.2	57.2	54.3	-2.9	54.3	-2.9	54.3	-2.9
13N0100P	55.7	55.4	-0.3	55.4	-0.3	55.4	-0.3	55.0	55.0	0.0	55.0	0.0	55.0	0.0	54.5	54.4	-0.1	54.4	-0.1	54.4	-0.1	53.6	53.7	0.1	53.7	0.1	53.7	0.1
13N0150N	55.4	55.1	-0.3	55.1	-0.3	55.1	-0.3	54.2	54.1	-0.1	54.1	-0.1	54.1	-0.1	53.8	53.7	-0.1	53.7	-0.1	53.7	-0.1	52.6	52.7	0.1	52.7	0.1	52.7	0.1
13N0200P	55.7	55.5	-0.2	55.5	-0.2	55.5	-0.2	55.0	55.0	0.0	55.0	0.0	55.0	0.0	54.5	54.4	-0.1	54.4	-0.1	54.4	-0.1	54.2	54.0	-0.2	54.0	-0.2	54.0	-0.2
13N0250N	55.2	55.1	-0.1	55.1	-0.1	55.1	-0.1	54.1	54.1	0.0	54.0	-0.1	54.0	-0.1	53.3	53.3	0.0	53.3	0.0	53.3	0.0	52.2	52.3	0.1	52.3	0.1	52.3	0.1
13N0300N	55.2	55.2	0.0	55.1	-0.1	55.1	-0.1	54.1	54.1	0.0	54.1	0.0	54.0	-0.1	53.4	53.4	0.0	53.3	-0.1	53.3	-0.1	52.2	52.2	0.0	52.2	0.0	52.1	-0.1
13N0301P	59.5	59.1	-0.4	59.1	-0.4	59.1	-0.4	58.8	58.8	0.0	58.8	0.0	58.8	0.0	58.6	58.6	0.0	58.6	0.0	58.6	0.0	58.3	58.3	0.0	58.3	0.0	58.3	0.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study

Table 6.1: Node Maximum Stage Comparison

Node ID	100-yr 24-hr							25-yr 24-hr						
	Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3	
	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)
13N0350N	55.4	55.4	0.0	55.4	0.0	55.4	0.0	54.2	54.2	0.0	54.2	0.0	54.1	-0.1
13N0400N	55.5	55.5	0.0	55.5	0.0	55.5	0.0	54.4	54.5	0.1	54.5	0.1	54.5	0.1
13N0600N	56.3	56.6	0.3	56.6	0.3	56.6	0.3	55.1	55.4	0.3	55.4	0.3	55.4	0.3
13N0700P	55.4	55.4	0.0	55.4	0.0	55.4	0.0	54.4	54.4	0.0	54.4	0.0	54.4	0.0
13N0750P	54.8	55.0	0.2	54.8	0.0	54.7	-0.1	53.7	53.7	0.0	53.7	0.0	53.7	0.0
13N0800P	55.5	55.5	0.0	55.5	0.0	55.5	0.0	55.3	55.3	0.0	55.3	0.0	55.3	0.0
13N0805N	55.3	55.4	0.1	55.3	0.0	55.3	0.0	54.9	54.9	0.0	54.9	0.0	54.9	0.0
13N0810N	55.2	55.2	0.0	55.1	-0.1	55.1	-0.1	54.2	54.2	0.0	54.1	-0.1	54.1	-0.1
13N0900P	56.2	56.2	0.0	56.2	0.0	56.2	0.0	55.5	55.5	0.0	55.5	0.0	55.5	0.0
13P0400N	58.9	56.0	-2.9	56.0	-2.9	57.0	-1.9	58.7	55.8	-2.9	55.8	-2.9	56.4	-2.3
13P0450N	56.1	55.1	-1.0	55.1	-1.0	55.3	-0.8	55.8	54.1	-1.7	54.1	-1.7	54.8	-1.0
13P0500P	61.8	61.6	-0.2	61.6	-0.2	61.0	-0.8	61.4	61.2	-0.2	61.2	-0.2	60.7	-0.7
13P0501N	71.5	71.5	0.0	71.5	0.0	-	-	71.4	71.4	0.0	71.4	0.0	-	-
13P0800N	66.3	66.3	0.0	66.3	0.0	-	-	65.8	65.8	0.0	65.8	0.0	-	-
13P0900N	68.6	68.6	0.0	68.6	0.0	-	-	68.4	68.4	0.0	68.4	0.0	-	-
13P0950N	74.4	74.3	-0.1	74.3	-0.1	-	-	72.9	73.0	0.1	73.0	0.1	-	-
13P1000N	74.4	74.3	-0.1	74.3	-0.1	-	-	72.9	73.0	0.1	73.0	0.1	-	-
13P1200N	75.2	74.8	-0.4	74.8	-0.4	72.6	-2.6	73.4	73.4	0.0	73.4	0.0	72.1	-1.3
13P1250N	75.2	74.7	-0.5	74.7	-0.5	71.0	-4.2	74.8	71.0	-3.8	71.0	-3.8	71.0	-3.8
13P1300N	75.5	75.2	-0.3	75.2	-0.3	75.0	-0.5	74.4	74.4	0.0	74.4	0.0	74.7	0.3
13P1400N	75.9	75.7	-0.2	75.7	-0.2	75.8	-0.1	75.4	75.3	-0.1	75.3	-0.1	75.5	0.1
13P1600N	76.7	76.5	-0.2	76.5	-0.2	76.7	0.0	76.1	76.1	0.0	76.1	0.0	76.3	0.2
13P1650N	77.1	76.9	-0.2	76.9	-0.2	77.1	0.0	76.5	76.5	0.0	76.5	0.0	76.7	0.2
13P1700N	77.7	77.5	-0.2	77.5	-0.2	77.7	0.0	76.9	76.9	0.0	76.9	0.0	77.2	0.3
13P1800P	78.3	78.0	-0.3	78.0	-0.3	78.2	-0.1	77.5	77.4	-0.1	77.4	-0.1	77.7	0.2
13P1810P	86.0	84.5	-1.5	84.5	-1.5	84.5	-1.5	85.2	83.9	-1.3	83.9	-1.3	83.9	-1.3
13P1811N	85.3	84.5	-0.8	84.5	-0.8	84.5	-0.8	84.9	83.9	-1.0	83.9	-1.0	83.9	-1.0
13P1812N	84.8	82.7	-2.1	82.7	-2.1	82.7	-2.1	83.8	82.1	-1.7	82.1	-1.7	82.1	-1.7
13P1813N	81.8	81.4	-0.4	81.4	-0.4	81.4	-0.4	81.7	81.4	-0.3	81.4	-0.3	81.4	-0.3
13P1814N	78.9	78.9	0.0	78.9	0.0	78.9	0.0	78.8	78.8	0.0	78.8	0.0	78.8	0.0
13P1815N	78.3	78.1	-0.2	78.1	-0.2	78.1	-0.2	77.3	77.3	0.0	77.3	0.0	77.3	0.0
13P1820N	83.8	83.8	0.0	83.8	0.0	83.8	0.0	82.9	82.9	0.0	82.9	0.0	82.9	0.0
13P1822N	83.9	83.9	0.0	83.9	0.0	83.9	0.0	83.0	83.0	0.0	83.0	0.0	83.0	0.0
13P1824N	84.1	84.1	0.0	84.1	0.0	84.1	0.0	83.6	83.6	0.0	83.6	0.0	83.6	0.0
13P2010N	86.3	86.3	0.0	86.3	0.0	86.3	0.0	85.4	85.4	0.0	85.4	0.0	85.4	0.0
13P2050N	86.8	86.8	0.0	86.8	0.0	86.8	0.0	86.3	86.3	0.0	86.3	0.0	86.3	0.0
13P2200N	86.8	86.8	0.0	86.8	0.0	86.8	0.0	86.3	86.3	0.0	86.3	0.0	86.3	0.0
13P2300P	92.2	92.2	0.0	92.2	0.0	92.2	0.0	91.1	91.1	0.0	91.1	0.0	91.1	0.0
13P2350N	91.5	91.5	0.0	91.5	0.0	91.5	0.0	90.6	90.6	0.0	90.6	0.0	90.6	0.0
13P2400P	91.4	91.4	0.0	91.4	0.0	91.4	0.0	90.6	90.6	0.0	90.6	0.0	90.6	0.0
13P2410N	90.5	90.5	0.0	90.5	0.0	90.5	0.0	90.0	90.0	0.0	90.0	0.0	90.0	0.0
13P2420N	90.3	90.3	0.0	90.3	0.0	90.3	0.0	89.5	89.5	0.0	89.5	0.0	89.5	0.0
13P2620N	88.3	88.3	0.0	88.3	0.0	88.3	0.0	87.3	87.3	0.0	87.3	0.0	87.3	0.0
13P2640N	90.0	90.0	0.0	90.0	0.0	90.0	0.0	89.7	89.7	0.0	89.7	0.0	89.7	0.0
13P2643N	90.9	90.9	0.0	90.9	0.0	90.9	0.0	90.9	90.9	0.0	90.9	0.0	90.9	0.0
13P2644N	93.2	93.2	0.0	93.2	0.0	93.2	0.0	92.9	92.9	0.0	92.9	0.0	92.9	0.0
13P2646N	93.2	93.2	0.0	93.2	0.0	93.2	0.0	92.9	92.9	0.0	92.9	0.0	92.9	0.0
13P2660P	90.0	90.0	0.0	90.0	0.0	90.0	0.0	89.0	89.0	0.0	89.0	0.0	89.0	0.0
13P2661P	90.1	90.1	0.0	90.1	0.0	90.1	0.0	89.9	89.9	0.0	89.9	0.0	89.9	0.0
13P3100P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13P3120N	96.1	96.1	0.0	96.1	0.0	96.1	0.0	93.9	93.9	0.0	93.9	0.0	93.9	0.0
13P3150N	94.4	94.4	0.0	94.4	0.0	94.4	0.0	92.9	92.9	0.0	92.9	0.0	92.9	0.0
13P3250N	96.7	96.7	0.0	96.7	0.0	96.7	0.0	94.2	94.2	0.0	94.2	0.0	94.2	0.0
13P3300N	97.1	97.1	0.0	97.1	0.0	97.1	0.0	94.4	94.4	0.0	94.4	0.0	94.4	0.0
13P3350N	97.3	97.3	0.0	97.3	0.0	97.3	0.0	94.5	94.5	0.0	94.5	0.0	94.5	0.0
13P3400P	97.4	97.4	0.0	97.4	0.0	97.4	0.0	94.6	94.6	0.0	94.6	0.0	94.6	0.0
13P3450N	96.3	96.3	0.0	96.3	0.0	96.3	0.0	94.0	94.0	0.0	94.0	0.0	94.0	0.0
13P3500N	88.2	88.2	0.0	88.2	0.0	88.2	0.0	87.3	87.3	0.0	87.3	0.0	87.3	0.0
13Q0500N	88.9	88.9	0.0	88.9	0.0	88.9	0.0	86.5	86.5	0.0	86.5	0.0	86.5	0.0

Node ID	10-yr 24-hr							Mean Annual						
	Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3	
	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)
13N0350N	53.5	53.7	0.2	53.7	0.2	53.7	0.2	52.9	53.2	0.3	53.2	0.3	53.2	0.3
13N0400N	54.0	54.2	0.2	54.2	0.2	54.2	0.2	53.3	53.7	0.4	53.7	0.4	53.7	0.4
13N0600N	54.3	54.6	0.3	54.6	0.3	54.6	0.3	53.4	53.8	0.4	53.8	0.4	53.8	0.4
13N0700P	54.4	54.4	0.0	54.4	0.0	54.4	0.0	54.3	54.3	0.0	54.3	0.0	54.3	0.0
13N0750P	53.5	53.5	0.0	53.5	0.0	53.5	0.0	53.2	53.2	0.0	53.2	0.0	53.2	0.0
13N0800P	55.2	55.2	0.0	55.2	0.0	55.2	0.0	53.8	53.8	0.0	53.8	0.0	53.8	0.0
13N0805N	54.7	54.7	0.0	54.7	0.0	54.7	0.0	53.6	53.6	0.0	53.6	0.0	53.6	0.0
13N0810N	53.5	53.5	0.0	53.5	0.0	53.4	-0.1	52.2	52.2	0.0	52.2	0.0	52.2	0.0
13N0900P	55.3	55.3	0.0	55.3	0.0	55.3	0.0	53.8	53.8	0.0	53.8	0.0	53.8	0.0
13P0400N	58.3	55.7	-2.6	55.7	-2.6	56.1	-2.2	57.3	55.6	-1.7	55.6	-1.7	55.6	-1.7
13P0450N	55.7	54.1	-1.6	54.1	-1.6	54.5	-1.2	55.4	54.1	-1.3	54.1	-1.3	54.1	-1.3
13P0500P	61.1	60.9	-0.2	60.9	-0.2	60.4	-0.7	60.5	60.4	-0.1	60.4	-0.1	60.0	-0.5
13P0501N	71.3	71.3	0.0	71.3	0.0	-	-	71.1	71.1	0.0	71.1	0.0	-	-
13P0800N	65.5	65.6	0.1	65.6	0.1	-	-	65.0	65.1	0.1	65.1	0.1	-	-
13P0900N	68.2	68.3	0.1	68.3	0.1	-	-	68.1	68.1	0.0	68.1	0.0	-	-
13P0950N	71.7	72.0	0.3	72.0	0.3	-	-	70.0	70.6	0.6	70.6	0.6	-	-
13P1000N	71.7	72.0	0.3	72.0	0.3	-	-	70.3	70.7	0.4	70.7	0.4	-	-
13P1200N	72.9	73.1	0.2	73.1	0.2	71.8	-1.1	72.1	72.5	0.4	72.5	0.4	71.3	-0.8
13P1250N	74.8	71.0	-3.8	71.0	-3.8	71.0	-3.8	74.6	71.0	-3.6	71.0	-3.6	71.0	-3.6
13P1300N	74.1	74.2	0.1	74.2	0.1	74.4	0.3	73.7	73.7	0.0	73.7	0.0	73.9	0.2
13P1400N	75.1	75.1	0.0	75.1	0.0	75.2	0.1	74.8	74.8	0.0	74.8	0.0	74.8	0.0
13P1600N	75.9	75.9	0.0	75.9	0.0	76.0	0.1	75.6	75.6	0.0	75.6	0.0	75.7	0.1
13P1650N	76.3	76.3	0.0	76.3	0.0	76.4	0.1	75.9	75.9	0.0	75.9	0.0	76.0	0.1
13P1700N	76.6	76.6	0.0	76.6	0.0	76.9	0.3	76.3	76.3	0.0	76.3	0.0	76.5	0.2
13P1800P	77.2	77.2	0.0	77.2	0.0	77.4	0.2	76.9	76.9	0.0	76.9	0.0	77.1	0.2
13P1810P	84.8	83.0	-1.8	83.0	-1.8	83.0	-1.8	84.3	81.1	-3.2	81.1	-3.2	81.1	-3.2
13P1811N	84.7	83.0	-1.7	83.0	-1.7	83.0	-1.7	84.3	82.5	-1.8	82.5	-1.8	82.5	-1.8
13P1812N	83.1	82.0	-1.1	82.0	-1.1	82.0	-1.1	82.2	81.7	-0.5	81.7	-0.5	81.7	-0.5
13P1813N	81.5	81.4	-0.1	81.4	-0.1	81.4	-0.1	81.3	81.4	0.1	81.4	0.1	81.4	0.1
13P1814N	78.7	78.7	0.0	78.7	0.0	78.7	0.0	78.6	78.6	0.0	78.6	0.0	78.6	0.0
13P1815N	77.2	77.2	0.0	77.2	0.0	77.2	0.0	76.9	76.9	0.0	76.9	0.0	76.9	0.0
13P1820N	82.5	82.5	0.0	82.5	0.0	82.5	0.0	81.6	81.6	0.0	81.6	0.0	81.6	0.0
13P1822N	82.6	82.6	0.0	82.6	0.0	82.6	0.0	82.4	82.4	0.0	82.4	0.0	82.4	0.0
13P1824N	83.5	83.5	0.0	83.5	0.0	83.5	0.0	83.3	83.3	0.0	83.3	0.0	83.3	0.0
13P2010N	85.0	85.0	0.0	85.0	0.0	85.0	0.0	84.3	84.3	0.0	84.3	0.0	84.3	0.0
13P2050N	85.9	85.9	0.0	85.9	0.0	85.9	0.0	85.4	85.4	0.0	85.4	0.0	85.4	0.0
13P2200N	85.9	85.9	0.0	85.9	0.0	85.9	0.0	85.4	85.4	0.0	85.4	0.0	85.4	0.0
13P2300P	90.4	90.4	0.0	90.4	0.0	90.4	0.0	89.5	89.5	0.0	89.5	0.0	89.5	0.0
13P2350N	90.1	90.1	0.0	90.1	0.0	90.1	0.0	89.4	89.4	0.0	89.4	0.0	89.4	0.0
13P2400P	90.1	90.1	0.0	90.1	0.0	90.1	0.0	89.4	89.4	0.0	89.4	0.0	89.4	0.0
13P2410N	89.8	89.8	0.0	89.8	0.0	89.8	0.0	89.4	89.4	0.0	89.4	0.0	89.4	0.0
13P2420N	89.1	89.1	0.0	89.1	0.0	89.1	0.0	88.2	88.2	0.0	88.2	0.0	88.2	0.0
13P2620N	86.7	86.7	0.0	86.7	0.0	86.7	0.0	85.9	85.9	0.0	85.9	0.0	85.9	0.0
13P2640N	88.8	88.8	0.0	88.8	0.0	88.8	0.0	87.6	87.6	0.0	87.6	0.0	87.6	0.0
13P2643N	90.8	90.8	0.0	90.8	0.0	90.8	0.0	89.6	89.6	0.0	89.6	0.0	89.6	0.0
13P2644N	92.8	92.8	0.0	92.8	0.0	92.8	0.0	92.6	92.6	0.0	92.6	0.0	92.6	0.0
13P2646N	92.8	92.8	0.0	92.8	0.0	92.8	0.0	92.6	92.6	0.0	92.6	0.0	92.6	0.0
13P2660P	88.4	88.4	0.0	88.4	0.0	88.4	0.0	87.7	87.7	0.0	87.7	0.0	87.7	0.0
13P2661P	89.8	89.8	0.0	89.8	0.0	89.8	0.0	89.6	89.6	0.0	89.6	0.0	89.6	0.0
13P3100P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13P3120N	92.8	92.8	0.0	92.8	0.0	92.8	0.0	91.6	91.6	0.0	91.6	0.0	91.6	0.0
13P3150N	92.2	92.2	0.0	92.2	0.0	92.2	0.0	91.4	91.4	0.0	91.4	0.0	91.4	0.0
13P3250N	93.1	93.1	0.0	93.1	0.0	93.1	0.0	91.7	91.7	0.0	91.7	0.0	91.7	0.0
13P3300N	93.2	93.2	0.0	93.2	0.0	93.2	0.0	91.8	91.8	0.0	91.8	0.0	91.8	0.0
13P3350N	93.3	93.3	0.0	93.3	0.0	93.3	0.0	91.8	91.8	0.0	91.8	0.0	91.8	0.0
13P3400P	93.3	93.3	0.0	93.3	0.0	93.3	0.0	91.9	91.9	0.0	91.9	0.0	91.9	0.0
13P3450N	92.9	92.9	0.0	92.9	0.0	92.9	0.0	91.7	91.7	0.0	91.7	0.0	91.7	0.0
13P3500N	86.7	86.7	0.0	86.7	0.0	86.7	0.0	85.9	85.9	0.0	85.9	0.0	85.9	0.0
13Q0500N	84.9	84.9	0.0	84.9	0.0	84.9	0.0	84.5	84.5	0.0	84.5	0.0	84.5	0.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study

Table 6.1: Node Maximum Stage Comparison

Node ID	100-yr 24-hr							25-yr 24-hr						
	Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3	
	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)
13Q0820P	90.2	90.2	0.0	90.2	0.0	90.2	0.0	90.0	90.0	0.0	90.0	0.0	90.0	0.0
13Q0821N	89.7	89.7	0.0	89.7	0.0	89.7	0.0	89.2	89.2	0.0	89.2	0.0	89.2	0.0
13Q0822N	88.9	88.9	0.0	88.9	0.0	88.9	0.0	86.1	86.1	0.0	86.1	0.0	86.1	0.0
13Q0840P	89.7	89.7	0.0	89.7	0.0	89.7	0.0	89.2	89.2	0.0	89.2	0.0	89.2	0.0
13Q0860P	88.3	88.3	0.0	88.3	0.0	88.3	0.0	88.1	88.1	0.0	88.1	0.0	88.1	0.0
13Q0861N	88.3	88.3	0.0	88.3	0.0	88.3	0.0	88.2	88.2	0.0	88.2	0.0	88.2	0.0
13Q0865N	89.4	89.4	0.0	89.4	0.0	89.4	0.0	88.8	88.8	0.0	88.8	0.0	88.8	0.0
13Q0870P	89.4	89.4	0.0	89.4	0.0	89.4	0.0	88.8	88.8	0.0	88.8	0.0	88.8	0.0
13Q0875N	89.5	89.5	0.0	89.5	0.0	89.5	0.0	89.0	89.0	0.0	89.0	0.0	89.0	0.0
13Q0880N	89.7	89.7	0.0	89.7	0.0	89.7	0.0	89.2	89.2	0.0	89.2	0.0	89.2	0.0
13Q0885N	88.0	88.0	0.0	88.0	0.0	88.0	0.0	87.1	87.1	0.0	87.1	0.0	87.1	0.0
13Q0890N	87.6	87.6	0.0	87.6	0.0	87.6	0.0	86.7	86.7	0.0	86.7	0.0	86.7	0.0
13Q0895N	86.4	86.4	0.0	86.4	0.0	86.4	0.0	85.6	85.6	0.0	85.6	0.0	85.6	0.0
13Q0896N	86.4	86.4	0.0	86.4	0.0	86.4	0.0	85.5	85.5	0.0	85.5	0.0	85.5	0.0
13Q0924P	90.3	90.3	0.0	90.3	0.0	90.3	0.0	90.0	90.0	0.0	90.0	0.0	90.0	0.0
13Q0940P	90.3	90.3	0.0	90.3	0.0	90.3	0.0	90.0	90.0	0.0	90.0	0.0	90.0	0.0
13Q2290P	88.3	88.3	0.0	88.3	0.0	88.3	0.0	85.5	85.5	0.0	85.5	0.0	85.5	0.0
13Q2291N	88.0	88.0	0.0	88.0	0.0	88.0	0.0	85.2	85.2	0.0	85.2	0.0	85.2	0.0
13Q2292N	78.8	78.8	0.0	78.8	0.0	78.8	0.0	78.4	78.4	0.0	78.4	0.0	78.4	0.0
13Q2293N	77.3	77.3	0.0	77.3	0.0	77.3	0.0	77.0	77.0	0.0	77.0	0.0	77.0	0.0
13Q2294N	76.8	76.8	0.0	76.8	0.0	76.8	0.0	76.5	76.5	0.0	76.5	0.0	76.5	0.0
13Q2295N	76.8	76.8	0.0	76.8	0.0	76.8	0.0	76.5	76.5	0.0	76.5	0.0	76.5	0.0
13Q2296N	76.8	76.8	0.0	76.8	0.0	76.8	0.0	76.5	76.5	0.0	76.5	0.0	76.5	0.0
13Q2300P	76.8	76.8	0.0	76.8	0.0	76.8	0.0	76.5	76.5	0.0	76.5	0.0	76.5	0.0
CONCORD	61.2	61.2	0.0	61.2	0.0	61.1	-0.1	59.9	59.9	0.0	59.9	0.0	59.8	-0.1
CRYSTBWL	62.1	62.1	0.0	62.1	0.0	62.1	0.0	61.1	61.1	0.0	61.1	0.0	61.1	0.0
ELLEN	66.8	66.8	0.0	66.8	0.0	66.8	0.0	66.2	66.2	0.0	66.2	0.0	66.2	0.0
GRASSY	86.3	86.3	0.0	86.3	0.0	86.3	0.0	85.4	85.4	0.0	85.4	0.0	85.4	0.0
LOST	55.2	55.1	-0.1	55.1	-0.1	55.1	-0.1	54.1	54.1	0.0	54.0	-0.1	54.0	-0.1
LPRAIRIE	93.1	93.1	0.0	93.1	0.0	93.1	0.0	92.9	92.9	0.0	92.9	0.0	92.9	0.0
MALTBIE	90.1	90.1	0.0	90.1	0.0	90.1	0.0	88.8	88.8	0.0	88.8	0.0	88.8	0.0
OXFORD	74.5	74.4	-0.1	74.4	-0.1	74.4	-0.1	73.4	73.1	-0.3	73.1	-0.3	73.0	-0.4
PEARL	88.2	88.2	0.0	88.2	0.0	88.2	0.0	87.3	87.3	0.0	87.3	0.0	87.3	0.0
PINEYRDG	87.5	87.5	0.0	87.5	0.0	87.5	0.0	86.2	86.2	0.0	86.2	0.0	86.2	0.0
POND8A	58.0	-	-	58.0	0.0	58.0	0.0	58.0	-	-	57.1	-0.9	57.1	-0.9
POND8B	58.0	-	-	58.6	0.6	58.6	0.6	58.0	-	-	58.2	0.2	58.2	0.2
POND10	57.0	58.1	1.1	-	-	-	-	57.0	57.8	0.8	-	-	-	-
POND1	74.0	-	-	-	-	71.1	-2.9	74.0	-	-	-	-	70.7	-3.3
POND2	54.0	56.2	2.2	56.2	2.2	56.5	2.5	54.0	54.8	0.8	54.8	0.8	55.2	1.2
POND5	63.0	63.5	0.5	63.5	0.5	63.5	0.5	63.0	63.2	0.2	63.2	0.2	63.2	0.2
POND7	57.2	57.1	-0.1	57.3	0.1	57.3	0.1	56.4	56.8	0.4	57.1	0.7	57.1	0.7
PRAIRIE	88.2	88.2	0.0	88.2	0.0	88.2	0.0	87.3	87.3	0.0	87.3	0.0	87.3	0.0
QUAIL	64.4	64.4	0.0	64.4	0.0	64.4	0.0	63.6	63.6	0.0	63.6	0.0	63.6	0.0
QUEENS	55.5	55.5	0.0	55.4	-0.1	55.4	-0.1	54.5	54.5	0.0	54.4	-0.1	54.3	-0.2
SECRET	55.6	55.6	0.0	55.6	0.0	55.6	0.0	54.4	54.4	0.0	54.4	0.0	54.3	-0.1
TRIPLT-M	55.2	55.1	-0.1	55.1	-0.1	55.1	-0.1	54.1	54.1	0.0	54.0	-0.1	54.0	-0.1
TRIPLT-N	54.8	54.8	0.0	54.8	0.0	54.7	-0.1	53.8	53.8	0.0	53.8	0.0	53.7	-0.1
TRIPLT-S	55.2	55.1	-0.1	55.1	-0.1	55.1	-0.1	54.1	54.1	0.0	54.0	-0.1	54.0	-0.1
YVONNE	56.4	56.6	0.2	56.6	0.2	56.6	0.2	55.4	55.5	0.1	55.5	0.1	55.5	0.1

Node ID	10-yr 24-hr							Mean Annual						
	Existing	Scenario 1A		Scenario 2		Scenario 3		Existing	Scenario 1A		Scenario 2		Scenario 3	
	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)	Stage (ft)	Difference (ft)
13Q0820P	89.6	89.6	0.0	89.6	0.0	89.6	0.0	88.2	88.2	0.0	88.2	0.0	88.2	0.0
13Q0821N	88.6	88.6	0.0	88.6	0.0	88.6	0.0	87.4	87.4	0.0	87.4	0.0	87.4	0.0
13Q0822N	86.0	86.0	0.0	86.0	0.0	86.0	0.0	85.7	85.7	0.0	85.7	0.0	85.7	0.0
13Q0840P	88.6	88.6	0.0	88.6	0.0	88.6	0.0	87.4	87.4	0.0	87.4	0.0	87.4	0.0
13Q0860P	88.0	88.0	0.0	88.0	0.0	88.0	0.0	87.9	87.9	0.0	87.9	0.0	87.9	0.0
13Q0861N	88.0	88.0	0.0	88.0	0.0	88.0	0.0	87.5	87.5	0.0	87.5	0.0	87.5	0.0
13Q0865N	88.4	88.4	0.0	88.4	0.0	88.4	0.0	87.4	87.4	0.0	87.4	0.0	87.4	0.0
13Q0870P	88.4	88.4	0.0	88.4	0.0	88.4	0.0	87.4	87.4	0.0	87.4	0.0	87.4	0.0
13Q0875N	88.4	88.4	0.0	88.4	0.0	88.4	0.0	87.3	87.3	0.0	87.3	0.0	87.3	0.0
13Q0880N	88.6	88.6	0.0	88.6	0.0	88.6	0.0	87.3	87.3	0.0	87.3	0.0	87.3	0.0
13Q0885N	86.6	86.6	0.0	86.6	0.0	86.6	0.0	86.2	86.2	0.0	86.2	0.0	86.2	0.0
13Q0890N	86.2	86.2	0.0	86.2	0.0	86.2	0.0	85.8	85.8	0.0	85.8	0.0	85.8	0.0
13Q0895N	85.3	85.3	0.0	85.3	0.0	85.3	0.0	85.1	85.1	0.0	85.1	0.0	85.1	0.0
13Q0896N	85.2	85.2	0.0	85.2	0.0	85.2	0.0	85.0	85.0	0.0	85.0	0.0	85.0	0.0
13Q0924P	89.6	89.6	0.0	89.6	0.0	89.6	0.0	88.7	88.7	0.0	88.7	0.0	88.7	0.0
13Q0940P	89.6	89.6	0.0	89.6	0.0	89.6	0.0	88.5	88.5	0.0	88.5	0.0	88.5	0.0
13Q2290P	83.3	83.3	0.0	83.3	0.0	83.3	0.0	80.8	80.8	0.0	80.8	0.0	80.8	0.0
13Q2291N	83.1	83.1	0.0	83.1	0.0	83.1	0.0	80.8	80.8	0.0	80.8	0.0	80.8	0.0
13Q2292N	78.2	78.2	0.0	78.2	0.0	78.2	0.0	77.0	77.0	0.0	77.0	0.0	77.0	0.0
13Q2293N	76.8	76.8	0.0	76.8	0.0	76.8	0.0	76.1	76.1	0.0	76.1	0.0	76.1	0.0
13Q2294N	76.4	76.4	0.0	76.4	0.0	76.4	0.0	76.1	76.1	0.0	76.1	0.0	76.1	0.0
13Q2295N	76.4	76.4	0.0	76.4	0.0	76.4	0.0	76.0	76.0	0.0	76.0	0.0	76.0	0.0
13Q2296N	76.3	76.3	0.0	76.3	0.0	76.3	0.0	76.0	76.0	0.0	76.0	0.0	76.0	0.0
13Q2300P	76.3	76.3	0.0	76.3	0.0	76.3	0.0	76.0	76.0	0.0	76.0	0.0	76.0	0.0
CONCORD	59.1	59.1	0.0	59.1	0.0	59.1	0.0	58.0	58.0	0.0	58.0	0.0	58.0	0.0
CRYSTBWL	60.4	60.4	0.0	60.4	0.0	60.4	0.0	59.6	59.6	0.0	59.6	0.0	59.6	0.0
ELLEN	65.9	65.9	0.0	65.9	0.0	65.9	0.0	65.4	65.4	0.0	65.4	0.0	65.4	0.0
GRASSY	85.0	85.0	0.0	85.0	0.0	85.0	0.0	84.3	84.3	0.0	84.3	0.0	84.3	0.0
LOST	53.3	53.3	0.0	53.3	0.0	53.3	0.0	52.1	52.1	0.0	52.1	0.0	52.1	0.0
LPRAIRIE	92.6	92.6	0.0	92.6	0.0	92.6	0.0	92.4	92.4	0.0	92.4	0.0	92.4	0.0
MALTBIE	88.0	88.0	0.0	88.0	0.0	88.0	0.0	86.1	86.1	0.0	86.1	0.0	86.1	0.0
OXFORD	72.0	71.9	-0.1	71.9	-0.1	71.7	-0.3	70.9	70.9	0.0	70.9	0.0	70.8	-0.1
PEARL	86.7	86.7	0.0	86.7	0.0	86.7	0.0	85.9	85.9	0.0	85.9	0.0	85.9	0.0
PINEYRDG	85.2	85.2	0.0	85.2	0.0	85.2	0.0	84.0	84.0	0.0	84.0	0.0	84.0	0.0
POND8A	58.0	-	-	56.8	-1.2	56.8	-1.2	58.0	-	-	56.5	-1.5	56.4	-1.6
POND8B	58.0	-	-	57.9	-0.1	57.9	-0.1	58.0	-	-	56.9	-1.1	56.9	-1.1
POND10	57.0	57.5	0.5	-	-	-	-	57.0	56.5	-0.5	-	-	-	-
POND1	74.0	-	-	-	-	70.5	-3.5	74.0	-	-	-	-	69.8	-4.2
POND2	54.0	53.8	-0.2	53.8	-0.2	54.2	0.2	54.0	52.5	-1.5	52.5	-1.5	52.4	-1.6
POND5	63.0	62.7	-0.3	62.7	-0.3	62.7	-0.3	63.0	62.1	-0.9	62.1	-0.9	62.1	-0.9
POND7	56.3	56.6	0.3	56.8	0.5	56.8	0.5	56.1	55.7	-0.4	55.1	-1.0	55.1	-1.0
PRAIRIE	86.7	86.7	0.0	86.7	0.0	86.7	0.0	85.9	85.9	0.0	85.9	0.0	85.9	0.0
QUAIL	63.2	63.2	0.0	63.2	0.0	63.2	0.0	62.7	62.7	0.0	62.7	0.0	62.7	0.0
QUEENS	53.9	53.9	0.0	53.8	-0.1	53.8	-0.1	52.7	52.7	0.0	52.6	-0.1	52.6	-0.1
SECRET	53.4	53.4	0.0	53.4	0.0	53.3	-0.1	52.1	52.1	0.0	52.1	0.0	52.1	0.0
TRIPLT-M	53.3	53.3	0.0	53.3	0.0	53.3	0.0	52.1	52.1	0.0	52.1	0.0	52.1	0.0
TRIPLT-N	53.1	53.1	0.0	53.1	0.0	53.0	-0.1	51.9	51.9	0.0	51.9	0.0	51.9	0.0
TRIPLT-S	53.3	53.3	0.0	53.3	0.0	53.3	0.0	52.1	52.1	0.0	52.1	0.0	52.1	0.0
YVONNE	54.7	54.9	0.2	54.9	0.2	54.9	0.2	53.7	53.8	0.1	53.8	0.1	53.8	0.1

6.2 Scenario 1A – Maintain 18 Hole Golf Course

Scenario 1A consists of stormwater improvements that can be implemented while maintaining the current use of the project site as an 18-hole golf course. The final design alternative developed for this scenario includes the construction of three new stormwater wet detention ponds and modifying and expanding two existing stormwater ponds located on the golf course. A conceptual layout of this design alternative is shown on **Figure 6.2**. **Figure 6.2a** presents the drainage areas that are proposed to be treated by the ponds.

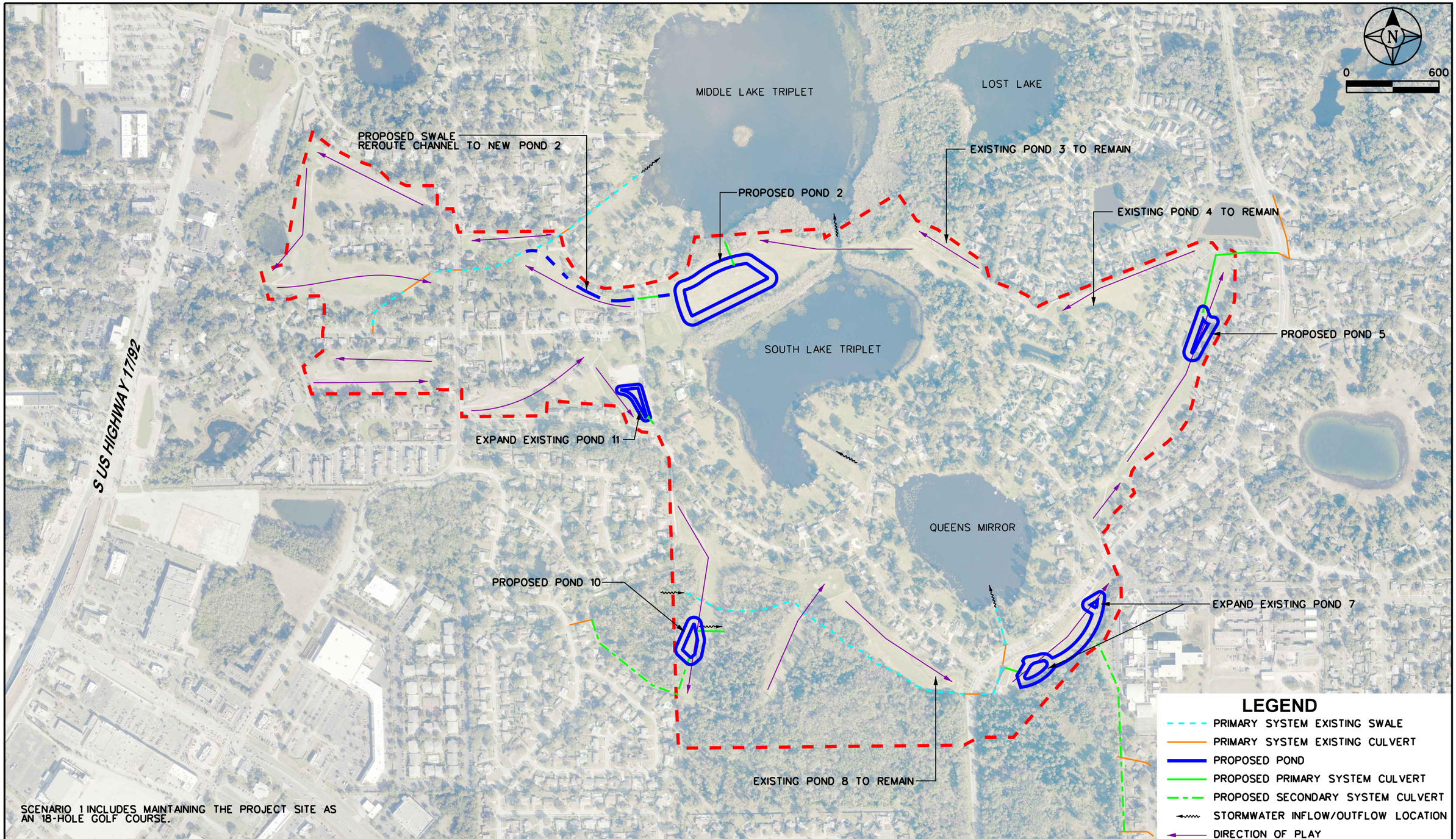
The new ponds have been designed to include relatively gentle side slopes of 1:5 (vertical:horizontal) to allow for the potential of golfers to wade into the ponds in search of errant golf balls. The pond depths will vary depending on the available area at the given hole. The maximum depth is anticipated to be eight feet below normal water level (NWL). Layout of the new ponds have been situated and designed to maintain the current par for each hole. While this layout may alter golfers' approach for several of the holes, overall play of the course should remain similar to its current level.

Discussions on the individual ponds proposed with this scenario are included in the following sections and include a description of the proposed improvements, water quality and quantity benefits, permitting concerns, anticipated maintenance requirements, and cost estimate breakdowns. **Figure 6.3** includes a map of the proposed ponds for Scenario 1A along with summary tables for the results for each design.

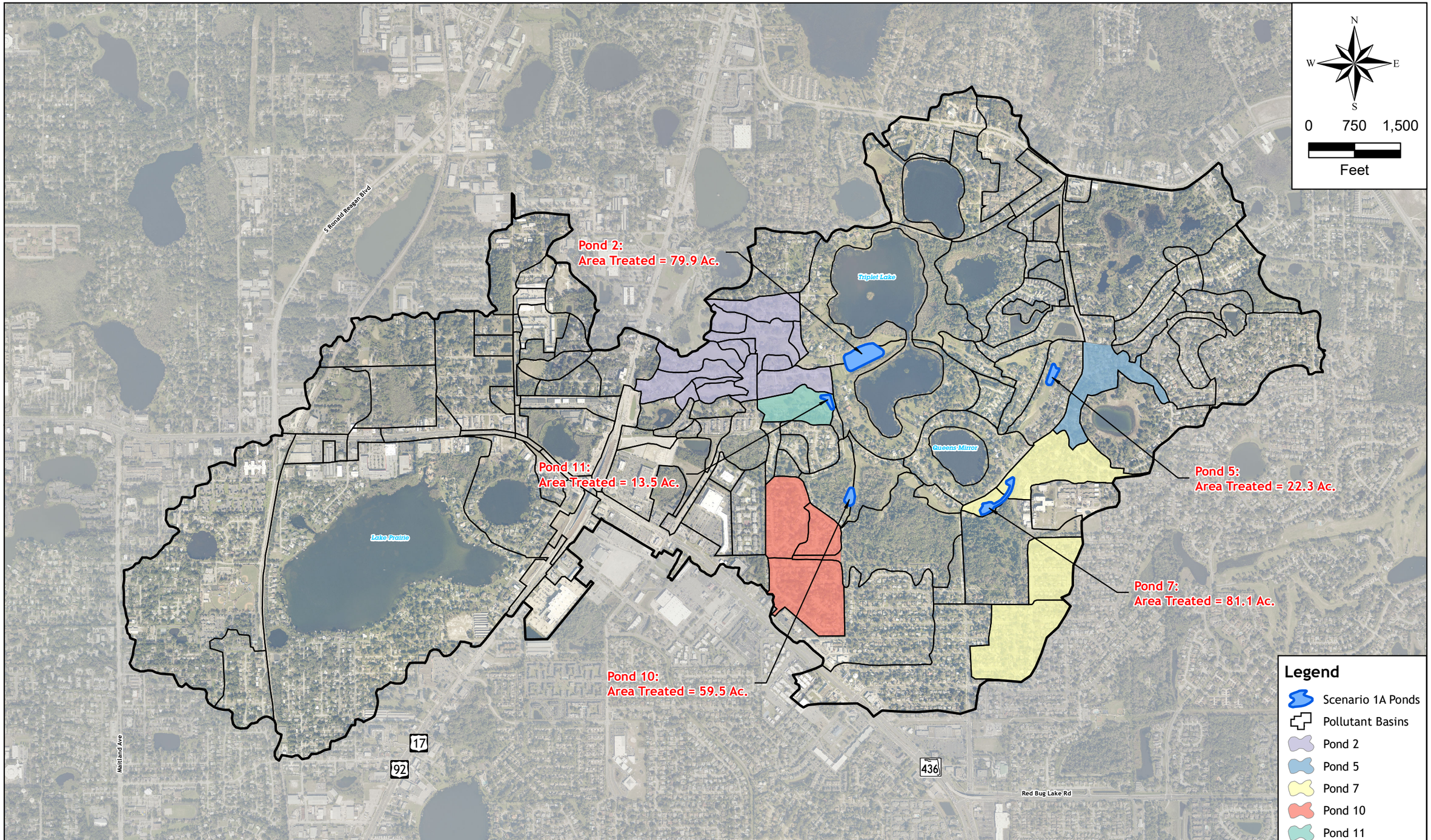
A node and basin map for this scenario is also included as **Figure 6.4** and a floodplain map for the Scenario 1 design model is included as **Figure 6.5**. A comparison of estimated existing condition and design condition flood stages is presented in **Table 6.1**. Model input data and results are included in **Appendix E**.

As illustrated in the following sections, there is significant variability in the cost effectiveness of individual components or ponds identified under this scenario. Each component should be evaluated independently as to whether construction is advisable. However, for summary purposes, if all improvements under Scenario 1A are constructed, the estimated total lifecycle cost would be $3,465,500 and would achieve an overall removal of 5,164 pounds of nitrogen at an average cost of $671/lb and remove 678 pounds of phosphorus at an average cost of $5,111/lb.

In addition to the pond locations discussed herein, there were six (6) additional pond sites considered for possible improvements. These included expanding existing golf course ponds and constructing new ponds and rerouting runoff to them. **Figure 6.6** includes a conceptual layout plan for all of the pond locations that were considered for Scenario 1A. The six additional pond designs were ultimately dropped from consideration as they were estimated to provide too little water quality benefit.



SAI **SINGHOFEN & ASSOCIATES, INC.** STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY GOLF COURSE STUDY**	**SCENARIO 1A CONCEPTUAL DESIGN IMPROVEMENTS 18-HOLE GOLF COURSE**	**FIGURE 6.2**



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CASSELBERRY GOLF COURSE
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FEASIBILITY STUDY

SCENARIO 1A
DRAINAGE AREAS

FIGURE:
6.2a

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 6.2a - Scenario1a_DrainageAreas.mxd)
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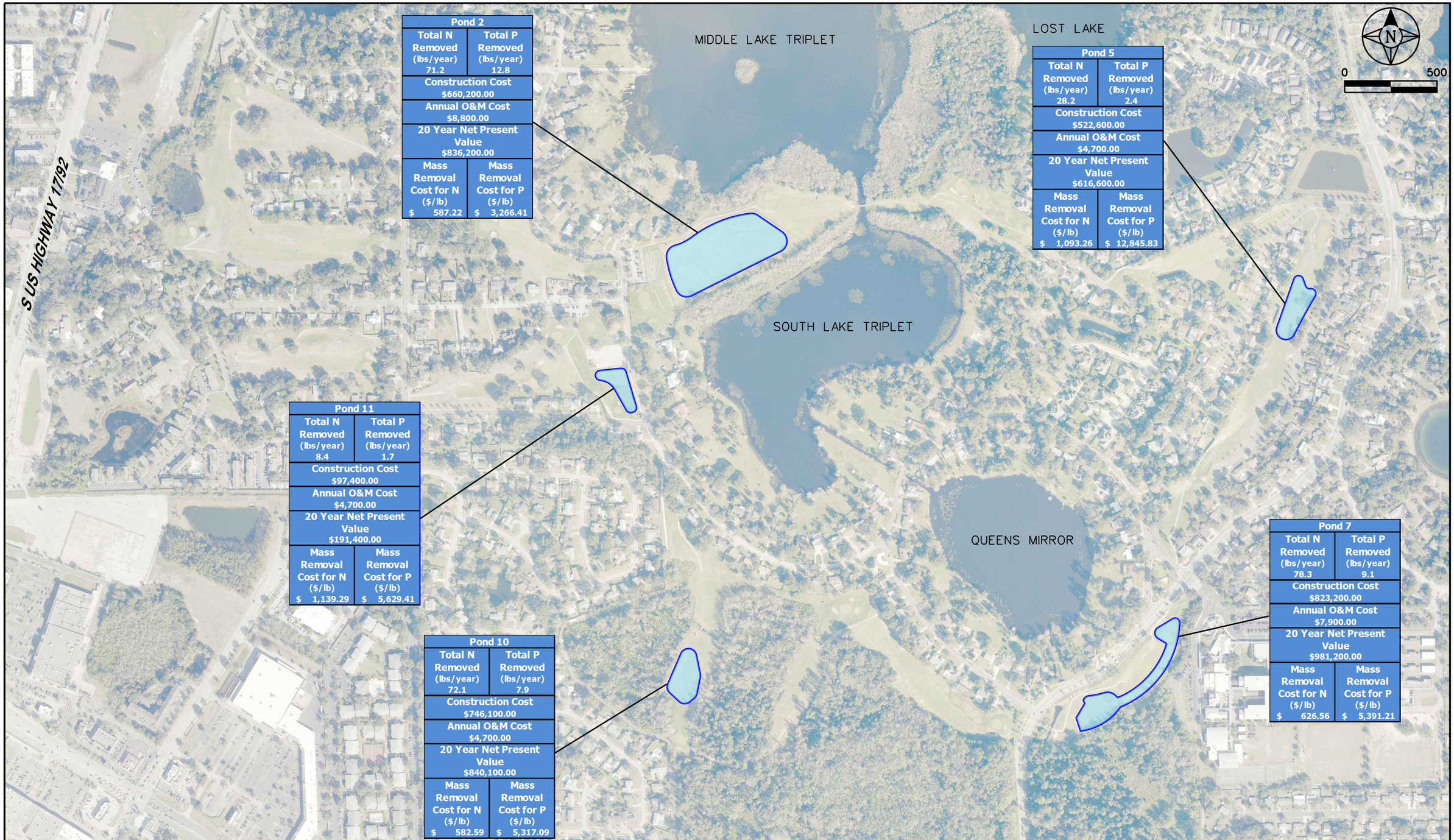

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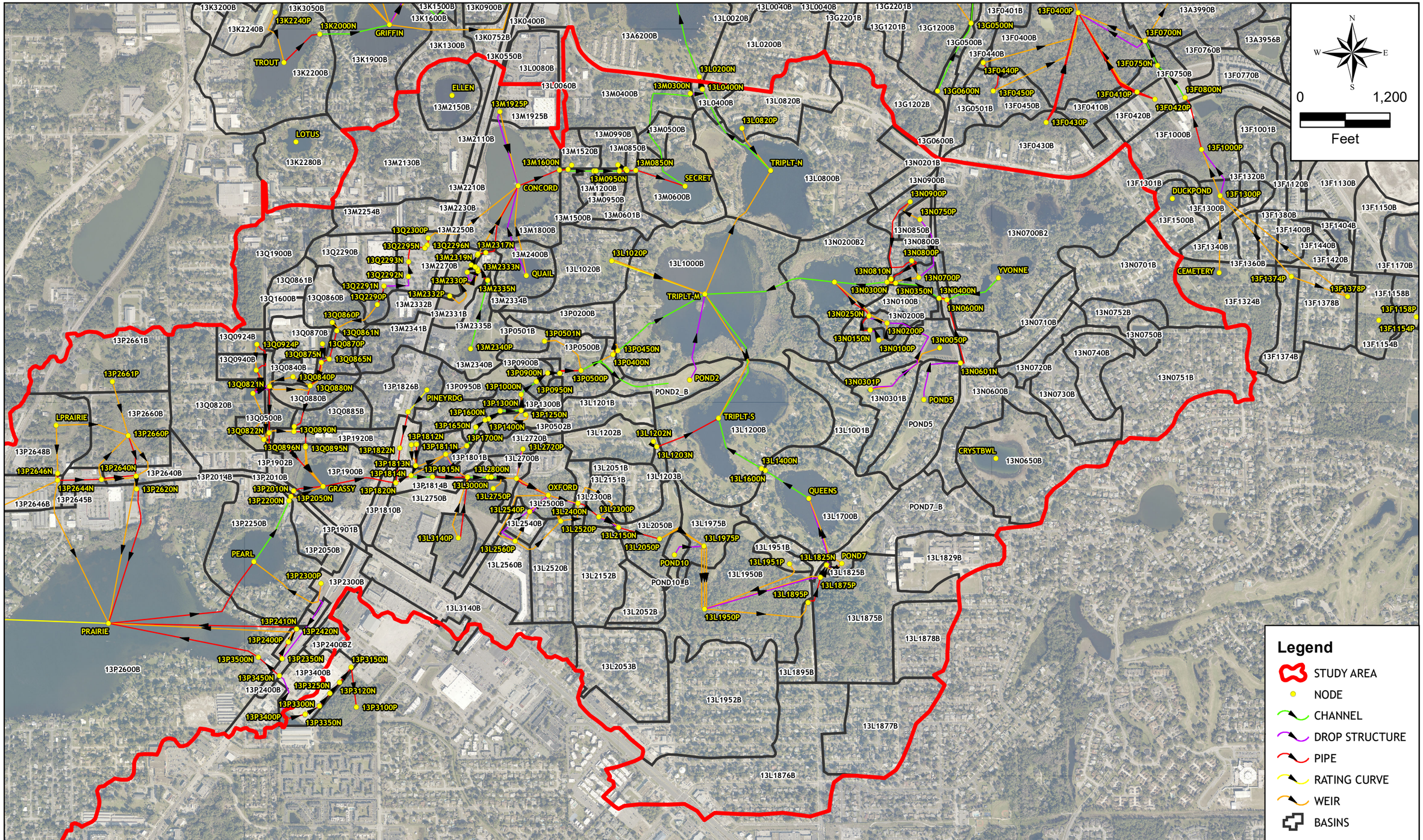
STORMWATER MANAGEMENT AND CIVIL ENGINEERING

CITY OF CASSELBERRY
GOLF COURSE STUDY

SCENARIO 1A
RESULTS SUMMARY MAP

FIGURE 6.3



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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

SCENARIO 1A NODAL NETWORK MAP

FIGURE: 6.4

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\GCS_Fig6-4_NodeMap_Alternative1.mxd)
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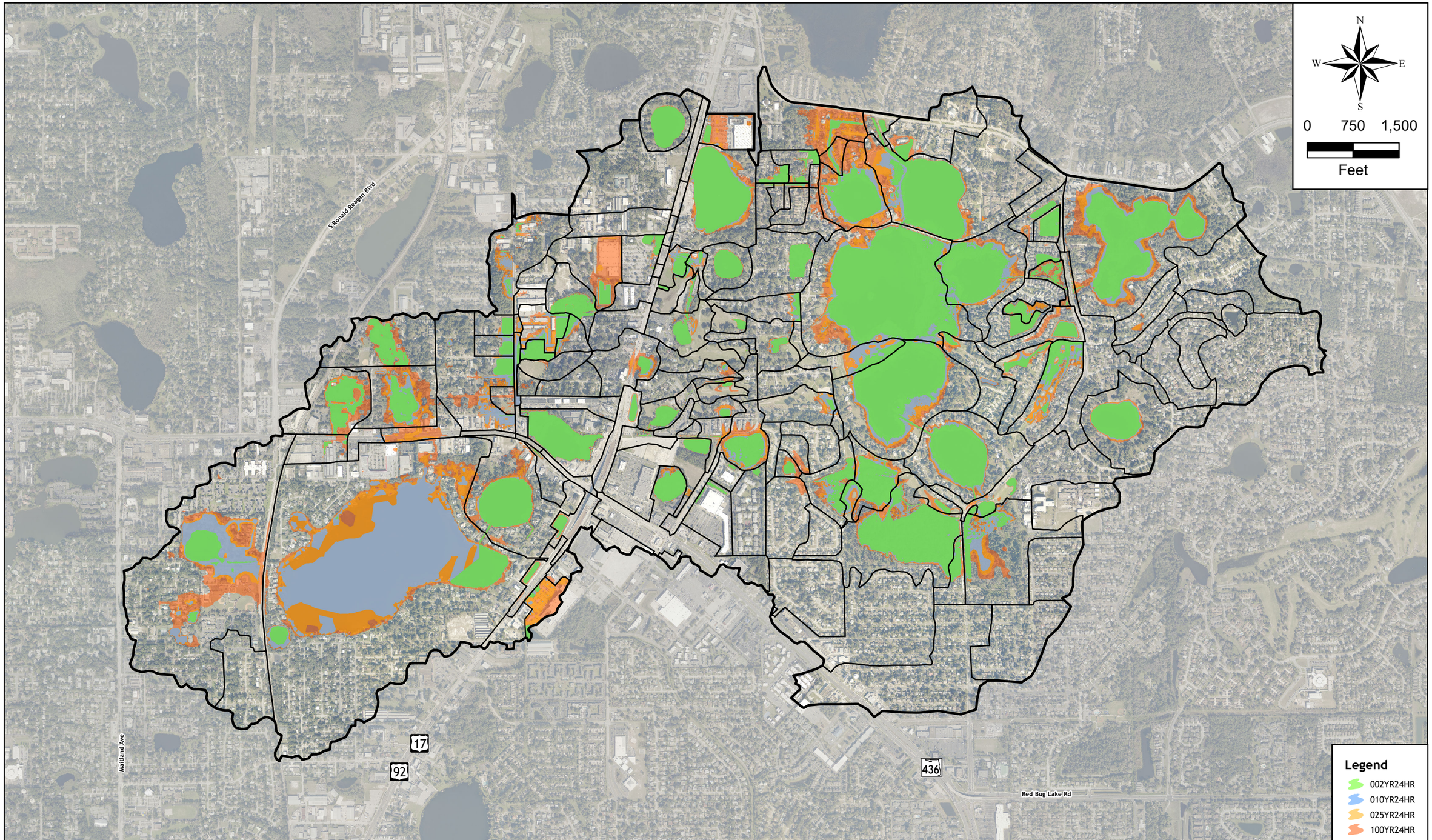

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

SCENARIO 1A FLOODPLAIN MAP

FIGURE: 6.5

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 6.5-FloodplainMap_Scenario1.mxd)
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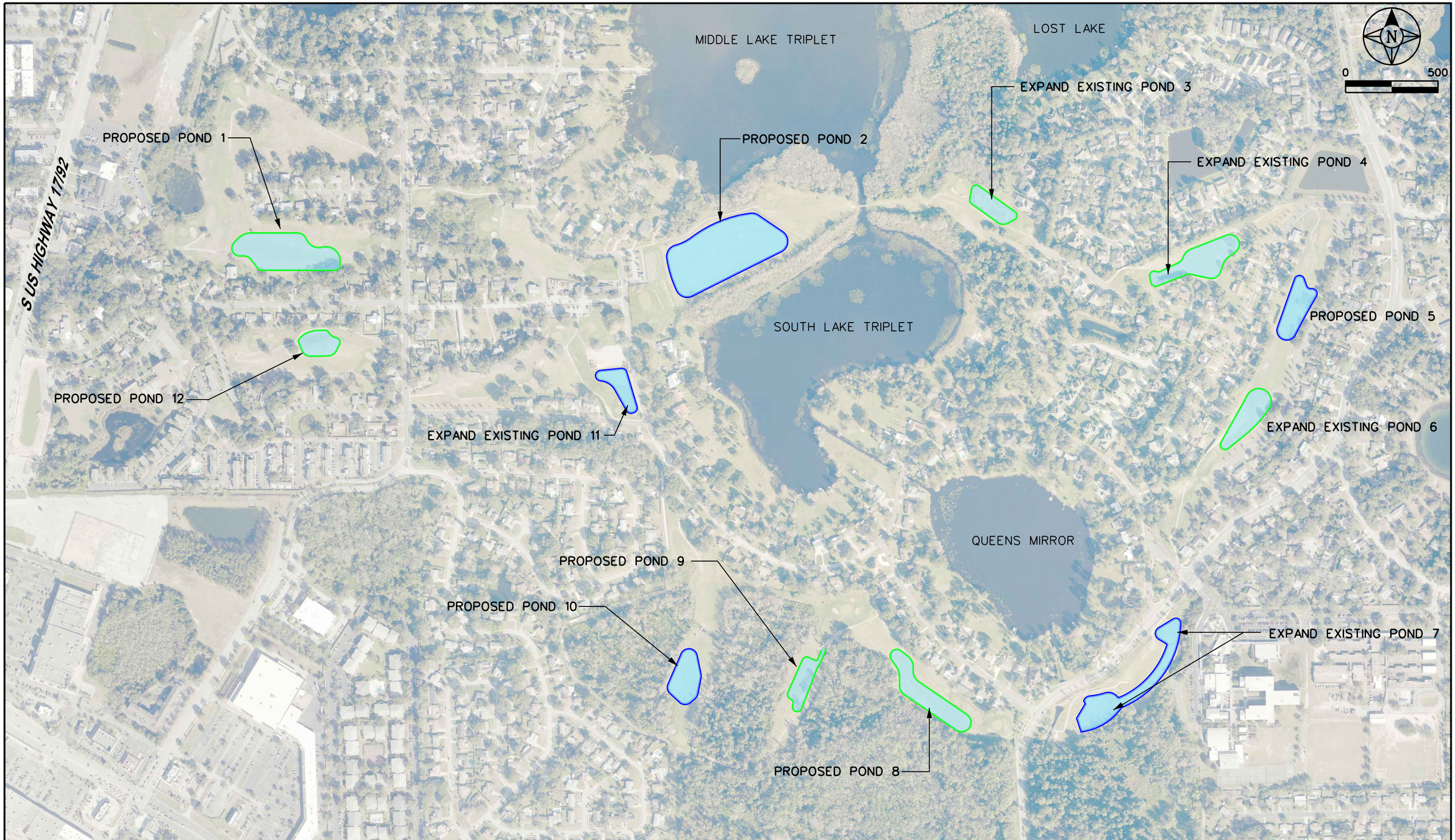


SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 1A** **POTENTIAL PONDS EVALUATED**	**FIGURE** **6.6**

6.2.1 Pond 2 (Scenario 1A)

Improvements to construct Pond 2 include turning the existing driving range into an aqua or "floating" range. The existing swale that drains to Middle Lake Triplet will be intercepted and rerouted to this pond through a series of swales and culverts. Refer to **Figure 6.7** for the conceptual layout plan for this pond design. **Figure 6.2a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: The primary benefit of this pond comes from the additional treatment provided. This pond will intercept the main inflow channel to Middle Lake Triplet and provide stormwater treatment prior to discharging to the lake. This design will provide treatment for approximately 79.9 acres of previously untreated area and is estimated to remove 71.2 pounds per year (lbs/yr) of nitrogen and 12.8 lbs/yr of phosphorus.

Flood Mitigation: This pond will provide additional storage for the western portion of the golf course, however floodplain improvements will be minimal as there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions.

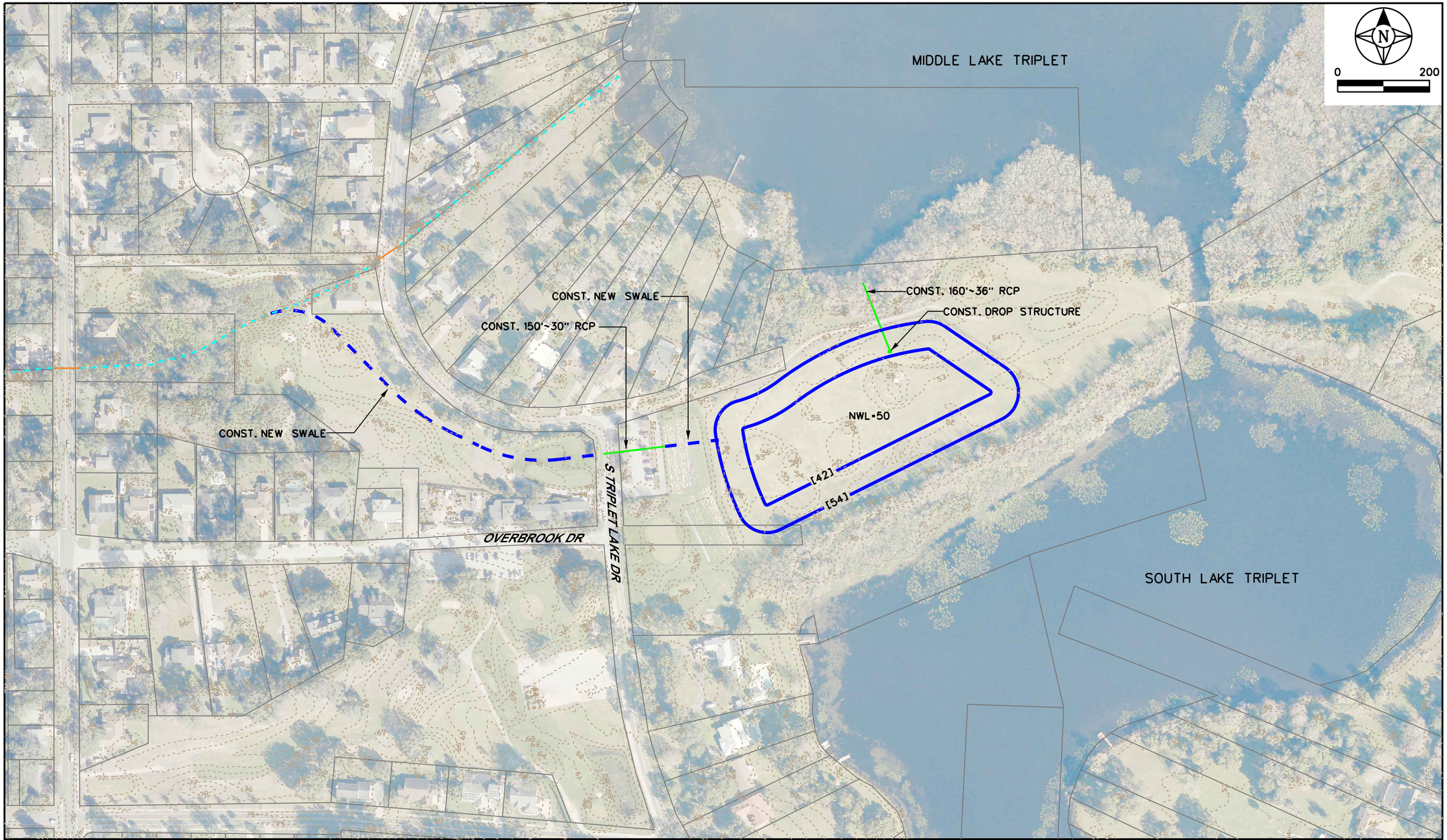
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements with no new impervious area. There are no anticipated permitting difficulties associated with the new pond. Furthermore, this design proposes to intercept runoff from the existing swale at a location just downstream of an existing wetland. There are no anticipated wetland impacts due to the rerouting of the swale. However, there will likely be minor temporary surface water impacts at the interface with the existing swale.

Soil Contamination: There was no identified soil contamination within the vicinity of Pond 2. However, as discussed in **Section 5**, the environmental site assessment performed by Ardaman & Associates, Inc. was not a comprehensive study and further evaluation of the soils within the proposed improvement area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $660,200. The construction cost includes earthwork excavation for the new pond and construction of new swales, culverts, and outfall structure to Middle Lake Triplet. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify potential contamination within the work area. A detailed breakdown of the cost estimate is included in **Table 6.2**.

Annual Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the outfall structure, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $8,800 and does not include upkeep and repairs to the course of play (i.e., fairways, sand traps, greens, etc.). There would also be upfront costs to convert the driving range to an aqua range which would need to be taken into consideration. These costs would be dependent on the type of aqua range and accessories selected and are not included in these cost estimates. Options for the conversion include the use of floating golf balls, yardage markers, and island greens, as well as the method of ball retrieval.

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $836,200 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 1,424 pounds of nitrogen and 256 pounds of phosphorous will be removed. This yields a twenty-year price per pound ($/lb) of $587 per pound for nitrogen and $3,266 per pound for phosphorous.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 1A** **POND 2**	**FIGURE** **6.7**

Table 6.2 Preliminary Opinion of Probable Cost
Scenario 1A

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 2					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 22,200.00	$ 22,200.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 11,000.00	$ 11,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 22,000.00	$ 22,000.00
110-1-1	CLEARING & GRUBBING	4.4	AC	$ 11,011.53	$ 48,450.73
120-1	REGULAR EXCAVATION (POND 2)	36,088	CY	$ 4.86	$ 175,386.93
120-5	CHANNEL EXCAVATION	1,759	CY	$ 12.15	$ 21,375.00
120-14	RE-GRADE GOLF COURSE	1	LS	$ 10,000.00	$ 10,000.00
160-4	TYPE B STABILIZATION	900	SY	$ 3.32	$ 2,988.00
285-708	OPTIONAL BASE,BASE GROUP 08	900	SY	$ 12.00	$ 10,800.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	74	TN	$ 90.32	$ 6,683.68
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	150	LF	$ 84.83	$ 12,724.50
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	160	LF	$ 114.22	$ 18,275.20
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	2	EA	$ 2,102.02	$ 4,204.04
430-982-138	MITERED END SECT, OPTIONAL RD, 36" CD	1	EA	$ 2,980.70	$ 2,980.70
520-3	VALLEY GUTTER- CONCRETE	50	LF	$ 19.04	$ 952.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	83	SY	$ 36.25	$ 3,020.83
570-1-1	PERFORMANCE TURF (BERMUDA)	2,904	SY	$ 3.39	$ 9,844.56
570-1-2	PERFORMANCE TURF, SOD	2,981	SY	$ 2.26	$ 6,738.05
				Construction Subtotal =	**$ 392,954.58**
				20% contingency (rounded to nearest $100) =	**$ 78,600.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 471,600.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 188,640.00	$ 188,640.00
				Additional Design Services Subtotal =	**$ 188,640.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 660,200.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Does not include costs for revisions to irrigation system for golf course.

6.2.2 Pond 5 (Scenario 1A)

Design improvements for Pond 5 include incorporating a new pond within Hole #6. A new conflict structure will be constructed within the existing secondary system on Winter Park Drive that will reroute runoff to this new pond. Once stages for the pond reach a set elevation, runoff will flow over the conflict structure weir and flow north as it currently does. Refer to **Figure 6.8** for the conceptual layout plan for this pond design. **Figure 6.2a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: The new pond will provide treatment for approximately 22.3 acres of previously untreated development for a portion of the basin just east of the proposed pond. Pollutant removal rates for the pond are anticipated to be 28.2 lbs/yr for nitrogen and 2.4 lbs/yr for phosphorus.

Flood Mitigation: This pond will provide additional storage for Hole #6 and the surrounding properties. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. It is noted that there is an increase in downstream stages at a couple of nodes (*Node ID: 13N0400N and 13N0600N*) resulting from the increased runoff being directed to these locations. If this design is selected, further analysis should be conducted to determine the significance of the stage increases or if there is another alignment solution to reduce the stage results.

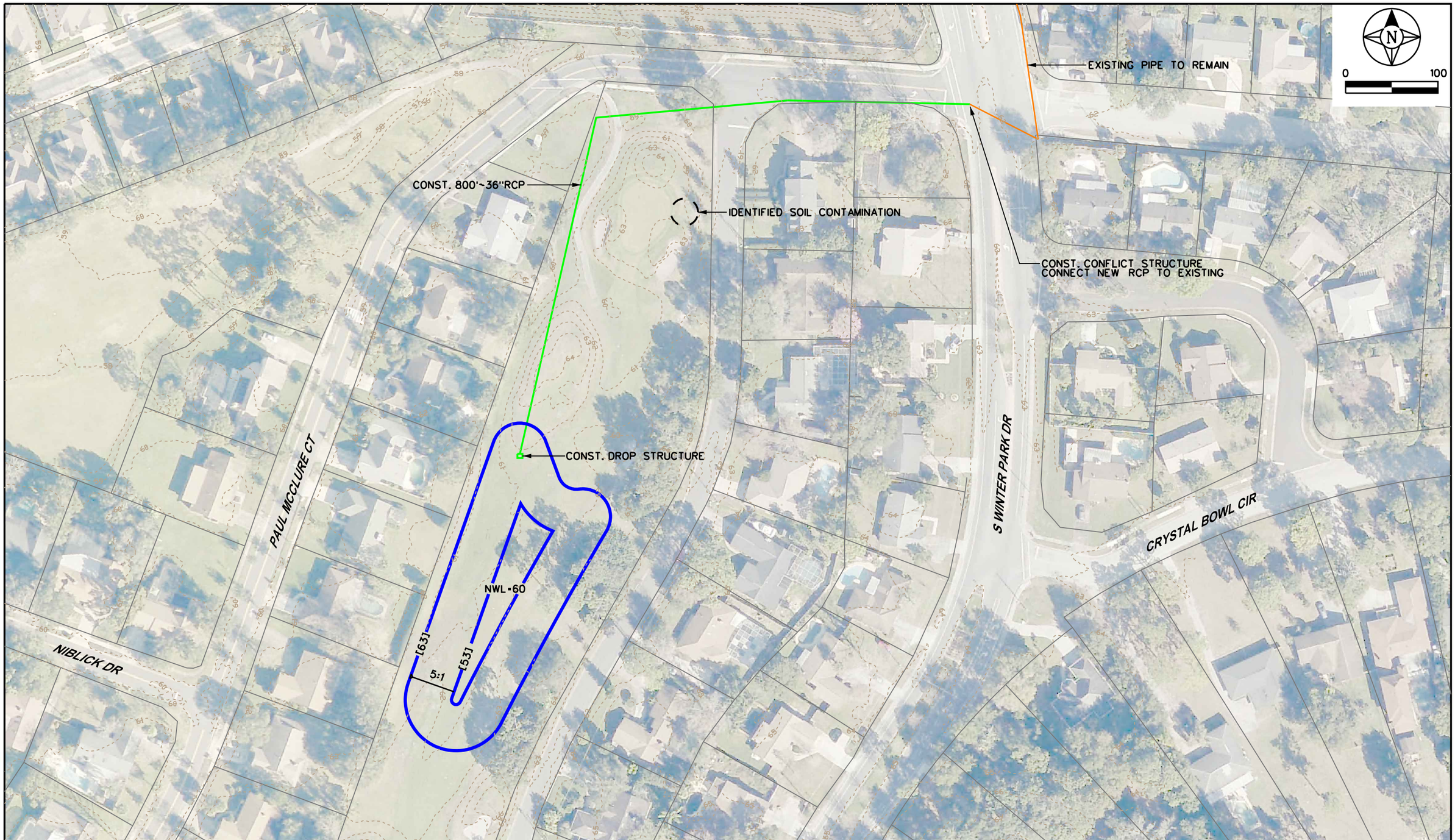
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements with no new impervious area. This design does not anticipate to have any difficulties regarding permitting of the new pond. In addition, there are no adjacent wetlands that would be affected with the interception and rerouting of stormwater runoff.

Soil Contamination: Pond 5 has been located to avoid boring locations where identified soil contamination was found, however, contamination was detected at both ends of Hole #6 near the tees and on the greens. While no contamination was observed within the footprint for the new pond further evaluation of the soils within the proposed improvement area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this design option is $522,600. The construction cost includes earthwork excavation for the new pond and construction of new culverts, and junction boxes, including the new conflict structure. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the limits of contamination surrounding the proposed pond site. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.3**.

Annual Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $4,700 and does not include upkeep and repairs to the course of play (i.e., fairways, sand traps, greens, etc.).

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $616,600 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 564 pounds of nitrogen and 48 pounds of phosphorous will be removed. This yields a twenty-year price per pound removed of $1,093 for nitrogen and $12,845 for phosphorous.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 1A** **POND 5**	**FIGURE** **6.8**

Table 6.3 Preliminary Opinion of Probable Cost
Scenario 1A

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 5					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 17,600.00	$ 17,600.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 9,000.00	$ 9,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 4,500.00	$ 4,500.00
110-1-1	CLEARING & GRUBBING	0.9	AC	$ 11,011.53	$ 9,910.38
120-1	REGULAR EXCAVATION (POND 5)	6,759	CY	$ 4.86	$ 32,849.03
120-14	RE-GRADE GOLF COURSE	1	LS	$ 15,000.00	$ 15,000.00
160-4	TYPE B STABILIZATION	367	SY	$ 3.32	$ 1,217.33
285-708	OPTIONAL BASE,BASE GROUP 08	367	SY	$ 12.00	$ 4,400.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30	TN	$ 90.32	$ 2,709.60
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
425-2-92	MANHOLES, J-8, >10'	3	EA	$ 10,401.13	$ 31,203.39
425-3-61	JUNCTION BOXES, J-7, <10' (CONFLICT STRUCTURE)	1	EA	$ 7,000.00	$ 7,000.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	800	LF	$ 114.22	$ 91,376.00
520-3	VALLEY GUTTER- CONCRETE	275	LF	$ 19.04	$ 5,236.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	192	SY	$ 36.25	$ 6,947.92
570-1-1	PERFORMANCE TURF (BERMUDA)	3,872	SY	$ 3.39	$ 13,126.08
570-1-2	PERFORMANCE TURF, SOD	1,012	SY	$ 2.26	$ 2,286.13
CS	REMOVE & DISPOSE CONTAMINATED SOIL	534	TN	$ 100.00	$ 53,361.00
				Construction Subtotal =	**$ 311,053.20**
				20% contingency (rounded to nearest $100) =	**$ 62,200.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 373,300.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 149,320.00	$ 149,320.00
				Additional Design Services Subtotal =	**$ 149,320.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 522,600.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Does not include costs for revisions to irrigation system for golf course.
4. Contaminated soil (CS) quantity assumes 5% of pond earthwork @ 1.5 tons/cy.

6.2.3 Pond 7 (Scenario 1A)

Design improvements for Pond 7 include modifying and expanding two existing ponds located on Hole #4. The two existing ponds located on this hole are currently of poor quality with little permanent pool volume and negligible water quality benefits being provided. This design proposed expanding the two ponds and combining them into a single, larger pond. The pond bottom will be dug down approximately four (4) feet to provide additional permanent pool volume. The basin area that that currently drains to the ponds will still flow to the new Pond 7. In addition, a secondary drainage system will be constructed to the south of the pond that will run parallel to the wetland. The new culvert will collect runoff from outfall structures from the residential development to the southeast. This will allow previously untreated runoff from the residential area to be diverted from the wetland and be treated in the new pond prior to discharging to South Lake Triplet. A conceptual layout plan for this pond is included in **Figure 6.9**. **Figure 6.2a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: This pond will provide treatment for approximately 81.1 acres of previously untreated development to the south in addition to improved pollutant removal from the areas that currently drain to the existing ponds. The new pond is anticipated to remove an additional 78.3 lbs/yr of nitrogen and 9.1 lbs/yr of phosphorus above the existing pollutant removals for the existing ponds.

Flood Mitigation: This pond will provide additional storage for the development to the east and southeast, however there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. If the City elects to move forward with the implementation of this pond, tailwater elevations for the drainage system serving the existing residential subdivision will need to be evaluated to ensure the proposed improvements do not create flooding issues for the subdivision as a result of rerouting runoff to the new pond.

Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. Pond 7 proposes water quantity and quality improvements with no new impervious area. This design may include impacts to the wetlands in order to construct the new secondary drainage system culverts and collection system. If wetlands are encountered within the limits of the proposed work, mitigation for the impacts may be required. In addition, wetland hydration issues will need to be examined with this option as a result of diverting runoff to the new pond that currently discharges directly to the wetland to determine what impacts, if any, this has.

Soil Contamination: Pond 7 has been located to avoid boring locations with identified soil contamination, however, contamination was detected on the greens for Hole #4, directly adjacent to the existing and proposed pond footprint. While no contamination was observed within the footprint for the new pond, there is a relatively high probability that there is soil contamination within the proposed improvements location and further evaluation of the soils in this area should be conducted prior to final design.

Construction Cost: The estimated construction cost for the proposed improvements is $823,200. The construction cost includes earthwork excavation for the new pond, construction of new culverts and manholes, and construction costs to repair/replace the trail and parking lot required for the construction of the new secondary drainage system. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the limits of contamination surrounding the proposed pond site. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.4**.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $7,900 and does not include upkeep and repairs to the course of play (i.e., fairways, sand traps, greens, etc.).

Life Cycle Cost-Benefit: The 20-year net present value life cycle cost for this pond is roughly $981,200 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 1,566 pounds of nitrogen and 182 pounds of phosphorous will be removed. This yields a twenty-year price per pound ($/lb) of $627 per pound for nitrogen and $5,391 per pound for phosphorous.

SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 1A** **POND 7**	**FIGURE** **6.9**

Table 6.4 Preliminary Opinion of Probable Cost
Scenario 1A

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 7					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 27,700.00	$ 27,700.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 3,750.00	$ 3,750.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 11,250.00	$ 11,250.00
110-1-1	CLEARING & GRUBBING	1.5	AC	$ 11,011.53	$ 16,517.30
120-1	REGULAR EXCAVATION (POND 7)	6,537	CY	$ 4.86	$ 31,768.96
120-14	RE-GRADE GOLF COURSE	1	LS	$ 5,000.00	$ 5,000.00
160-4	TYPE B STABILIZATION	933	SY	$ 3.32	$ 3,098.67
285-708	OPTIONAL BASE,BASE GROUP 08	933	SY	$ 12.00	$ 11,200.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	77	TN	$ 90.32	$ 6,954.64
425-1-541	INLETS, DT BOT, TYPE D, <10'	2	EA	$ 3,330.35	$ 6,660.70
425-2-92	MANHOLES, J-8, >10'	4	EA	$ 10,401.13	$ 41,604.52
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	2070	LF	$ 84.83	$ 175,598.10
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	230	LF	$ 148.58	$ 34,173.40
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	1	EA	$ 2,102.02	$ 2,102.02
430-982-140	MITERED END SECT, OPTIONAL RD, 42" CD	2	EA	$ 3,154.70	$ 6,309.40
520-1-10	CONCRETE CURB & GUTTER, TYPE F	375	LF	$ 18.71	$ 7,016.25
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	806	SY	$ 36.25	$ 29,201.39
570-1-1	PERFORMANCE TURF (BERMUDA)	2,420	SY	$ 3.39	$ 8,203.80
570-1-2	PERFORMANCE TURF, SOD	4,525	SY	$ 2.26	$ 10,227.40
CS	REMOVE & DISPOSE CONTAMINATED SOIL	516	TN	$ 100.00	$ 51,606.50
				Construction Subtotal =	**$ 489,943.05**
				20% contingency (rounded to nearest $100) =	**$ 98,000.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 588,000.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 235,200.00	$ 235,200.00
				Additional Design Services Subtotal =	**$ 235,200.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 823,200.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Does not include costs for revisions to irrigation system for golf course.
4. Contaminated soil (CS) quantity assumes 5% of pond earthwork @ 1.5 tons/cy.

6.2.4 Pond 10 (Scenario 1A)

Design improvements for Pond 10 include incorporating a new stormwater pond within Hole #1. A new secondary drainage system will also be constructed along the existing golf cart path to reroute offsite runoff to the new pond. The new culvert system will collect runoff from the neighboring residential subdivision to the south of this hole and direct it to the new pond. This will allow previously untreated runoff from the residential area to be diverted from the wetland and be treated in the new pond. A conceptual layout plan for this pond is included in **Figure 6.10**. **Figure 6.2a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: Pond 10 will provide treatment for runoff from the residential developments to the south. It will provide treatment for approximately 59.5 acres of previously untreated area. The pond is anticipated to remove approximately 72.1 lbs/yr of nitrogen and 7.9 lbs/yr of phosphorus.

Flood Mitigation: This pond will provide additional storage for the development to the southwest, however there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. If the City elects to move forward with the implementation of this pond, tailwater elevations for the drainage system serving the existing residential subdivision will need to be evaluated to ensure the proposed improvements do not create flooding issues for the subdivision as a result of rerouting runoff to the new pond.

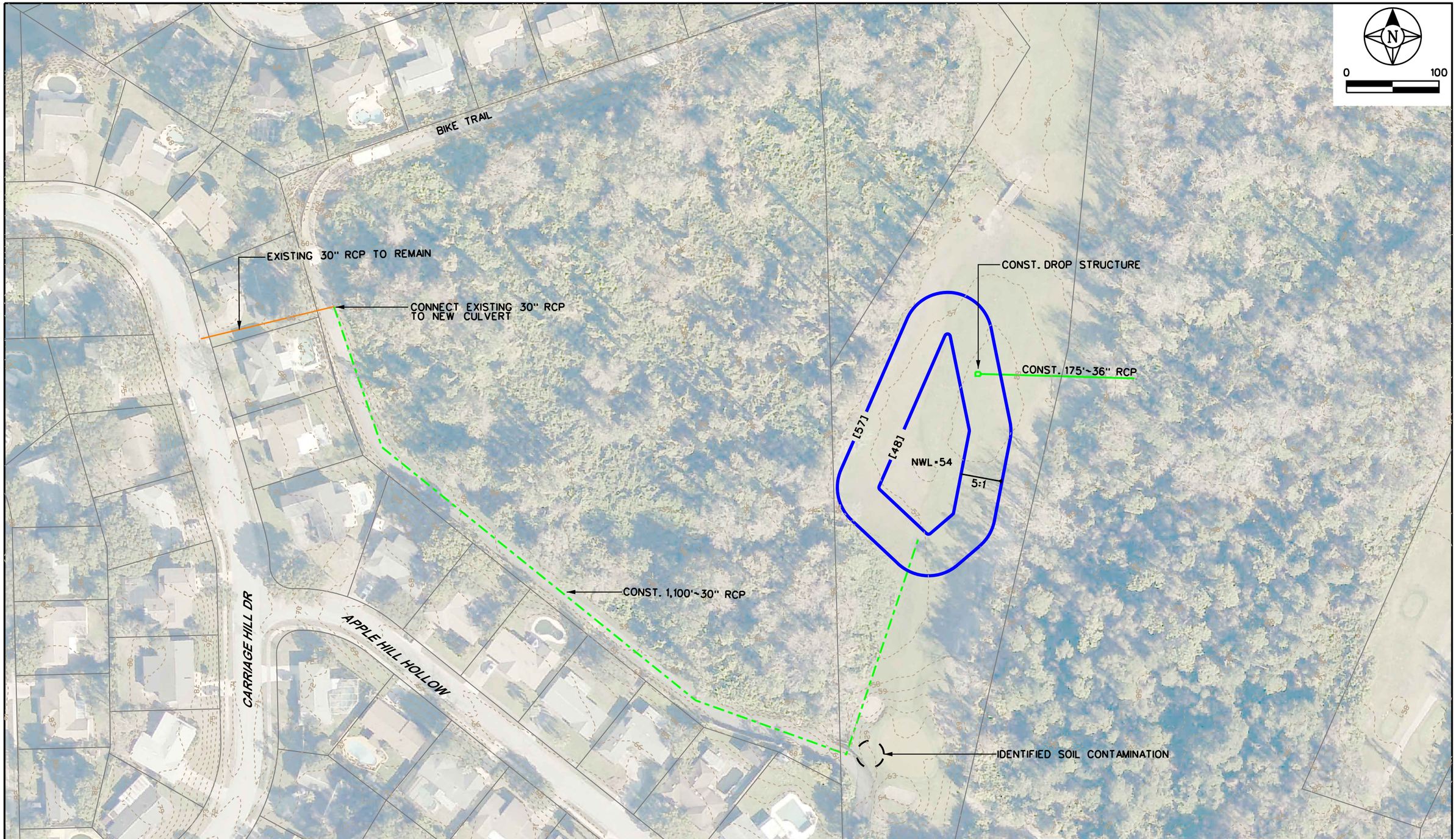
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements with no new impervious area. This design may include impacts to the wetlands in order to construct the new secondary drainage system. The new culverts and manholes are proposed to be located within the existing golf cart path in order to minimize and/or eliminate impacting the surrounding wetlands. The final design and layout for the culverts, along with the actual locations of the jurisdictional wetlands, will eventually determine any impacts and therefore mitigation requirements. In addition, since runoff is being diverted from discharging directly to the wetland, wetland hydration issues will need to be examined with the final design.

Soil Contamination: Pond 10 has been located to avoid boring locations with identified soil contamination, however, contamination was detected on the greens for Hole #1. While no contamination was observed within the proposed footprint for the new pond, further evaluation of the soils within the proposed work area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this design is $746,100. The construction cost includes earthwork excavation for the new pond, construction of new culverts and manholes, and replacement of a portion of the existing bike trail. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the limits of contamination surrounding the proposed work area. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.5**.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $4,700 and does not include upkeep and repairs to the course of play (i.e., fairways, sand traps, greens, etc.).

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this design is roughly $840,100 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 1,442 pounds of nitrogen and 158 pounds of phosphorous will be removed. This yields a twenty-year price per pound ($/lb) of $583 per pound of nitrogen and $5,317 per pound of phosphorous removed.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 1A** **POND 10**	**FIGURE** **6.10**

Table 6.5 Preliminary Opinion of Probable Cost
Scenario 1A

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 10					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 25,100.00	$ 25,100.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 2,000.00	$ 2,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 4,000.00	$ 4,000.00
110-1-1	CLEARING & GRUBBING	0.8	AC	$ 11,011.53	$ 8,809.22
120-1	REGULAR EXCAVATION (POND 10)	13,365	CY	$ 4.86	$ 64,953.19
120-14	RE-GRADE GOLF COURSE	1	LS	$ 10,000.00	$ 10,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
425-2-92	MANHOLES, J-8, >10'	3	EA	$ 10,401.13	$ 31,203.39
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	1100	LF	$ 84.83	$ 93,313.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	350	LF	$ 114.22	$ 39,977.00
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	1	EA	$ 2,102.02	$ 2,102.02
430-982-138	MITERED END SECT, OPTIONAL RD, 36" CD	2	EA	$ 2,980.70	$ 5,961.40
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	889	SY	$ 36.25	$ 32,222.22
570-1-1	PERFORMANCE TURF (BERMUDA)	4,033	SY	$ 3.39	$ 13,673.00
570-1-2	PERFORMANCE TURF, SOD	852	SY	$ 2.26	$ 1,925.16
CS	REMOVE & DISPOSE CONTAMINATED SOIL	1,055	TN	$ 100.00	$ 105,512.00
				Construction Subtotal =	**$ 444,081.95**
				20% contingency (rounded to nearest $100) =	**$ 88,800.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 532,900.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 213,160.00	$ 213,160.00
				Additional Design Services Subtotal =	**$ 213,160.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 746,100.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Does not include costs for revisions to irrigation system for golf course.
4. Contaminated soil (CS) quantity assumes 5% of pond earthwork @ 1.5 tons/cy.

6.2.5 Pond 11 (Scenario 1A)

Design improvements for Pond 11 include modifying and expanding the existing pond located on Hole #18. The existing pond has little permanent pool volume and provides negligible water quality benefits. The proposed pond will expand the existing pond and create a deeper pond bottom in order to improve the pollutant removal efficiency and increase the storage capacity. A conceptual layout plan for this pond is included in **Figure 6.11**. **Figure 6.2a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: Improved treatment will be provided for approximately 13.5 acres of previously minimally treated golf course area. The modified pond is anticipated to remove approximately 8.4 lbs/yr of nitrogen and 1.7 lbs/yr of phosphorus above the pollutant removal from the existing pond.

Flood Mitigation: This design does not propose any basin changes or rerouting of offsite runoff. The basin area that currently drains to the existing pond will still flow to the new Pond 11. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. Peak stages within Pond 11 (*Node ID: 13L1202N*) will remain within essentially the same as the existing pond for the larger storm events and will see a decrease of 0.9-feet for the mean annual storm.

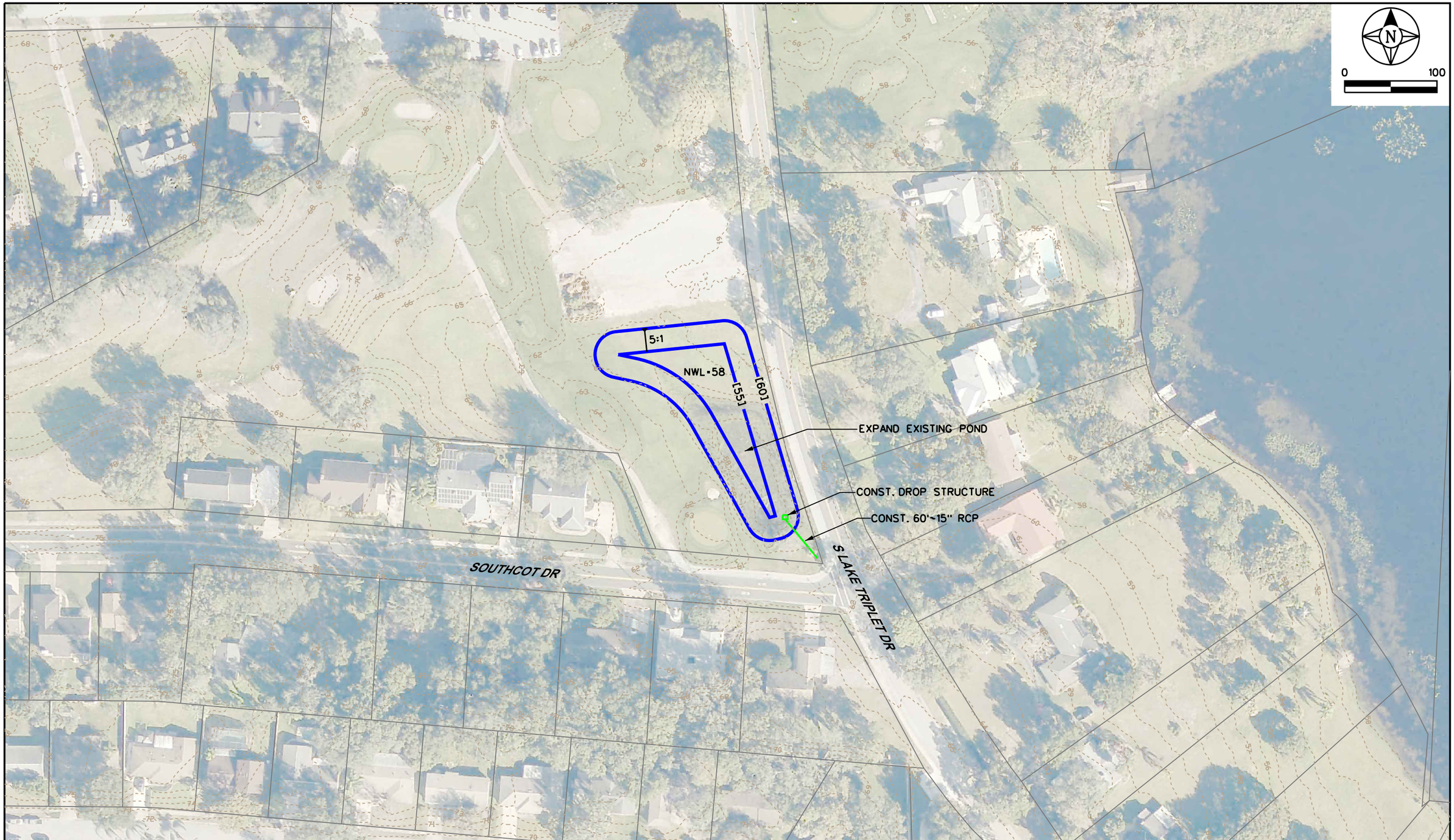
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements and no new impervious area. This design does not anticipate to have any difficulties regarding permitting of the new pond. Furthermore, there are no adjacent wetlands that would be impacted by this design.

Soil Contamination: There was no identified soil contamination within the Pond 11 parcel. However, as discussed in **Section 5**, the environmental assessment performed by Ardaman & Associates, Inc. was not a comprehensive study and further evaluation of the soils within the proposed improvement area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $97,400. The construction cost includes earthwork excavation for the new pond and construction of a new outfall structure and culverts. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify potential soil contamination within the work area. A detailed breakdown of the cost estimate is included in **Table 6.6**.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $4,700 and does not include upkeep and repairs to the course of play (i.e., fairways, sand traps, greens, etc.).

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $191,400 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 168 pounds of nitrogen and 34 pounds of phosphorous will be removed. This yields a twenty-year price per pound removed ($/lb) of $1,139 for nitrogen and $5,629 for phosphorous.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	CITY OF CASSELBERRY GOLF COURSE STUDY	SCENARIO 1A POND 11	FIGURE 6.11

Table 6.6 Preliminary Opinion of Probable Cost
Scenario 1A

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 11					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 3,300.00	$ 3,300.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 1,250.00	$ 1,250.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 2,500.00	$ 2,500.00
110-1-1	CLEARING & GRUBBING	0.5	AC	$ 11,011.53	$ 5,505.77
120-1	REGULAR EXCAVATION (POND 11)	2,041	CY	$ 4.86	$ 9,918.61
120-14	RE-GRADE GOLF COURSE	1	LS	$ 10,000.00	$ 10,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
430-175-115	PIPE CULV, OPT MATL, ROUND, 15"S/CD	60	LF	$ 120.86	$ 7,251.60
520-3	VALLEY GUTTER- CONCRETE	50	LF	$ 19.04	$ 952.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	44	SY	$ 36.25	$ 1,611.11
570-1-1	PERFORMANCE TURF (BERMUDA)	3,065	SY	$ 3.39	$ 10,391.48
570-1-2	PERFORMANCE TURF, SOD	852	SY	$ 2.26	$ 1,925.16
				Construction Subtotal =	**$ 57,936.08**
				20% contingency (rounded to nearest $100) =	**$ 11,600.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 69,600.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 27,840.00	$ 27,840.00
				Additional Design Services Subtotal =	**$ 27,840.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 97,400.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Does not include costs for revisions to irrigation system for golf course.

6.3 Scenario 1B – Maintain 18 Hole Golf Course

Similar to Scenario 1A, Scenario 1B consists of stormwater improvements that could be performed while maintaining the current use of the project site as an eighteen (18) hole golf course. The design options under this scenario include constructing up to two (2) new stormwater ponds and constructing an alum treatment facility. A conceptual layout of this design alternative is shown on **Figure 6.12**. **Figure 6.12a** presents the drainage areas that are proposed to be treated by this scenario. A summary of the water quality improvements for this scenario is included on **Figure 6.13**.

There is significant variability in the cost effectiveness of individual components identified under this scenario. Each component should be evaluated independently as to whether construction is advisable. However, for summary purposes, if all improvements under Scenario 1B are constructed, the estimated total life cycle cost would be $4,568,300 and would achieve an overall removal of 51,128 pounds of nitrogen at an average cost of $89/lb and remove 9,884 pounds of phosphorus at an average cost of $462/lb.

6.3.1 Pond 2 and Pond 5 (Scenario 1B)

The two new ponds are identical to their respective ponds in Scenario 1A. Design of Pond 2 will convert the current driving range into an aqua range. Refer to **Section 6.2.1** for a detailed description of this design alternative. Pond 5 will be constructed within the fairway for Hole #6 and will be incorporated into the play of this hole. Refer to Section **6.2.2** for a detailed description of this pond design.

6.3.2 Alum Treatment Facility

The alum treatment facility will be located on Hole #4 and has been designed to allow full use of the hole. The golf cart path will be revised to allow construction of the alum system, including a pump/storage building and maintenance driveway. This location was chosen as the site for the alum treatment because this is the primary inflow location for runoff entering Queens Mirror.

Water Quality: This allows for treatment of runoff from the entire Queens Mirror and Lake Grassy systems (approximately 1528 acres). This design is anticipated to remove 2,457 pounds per year of nitrogen and 479 pounds per year of phosphorus.

Flood Mitigation: The alum system will not provide any flood mitigation benefit.

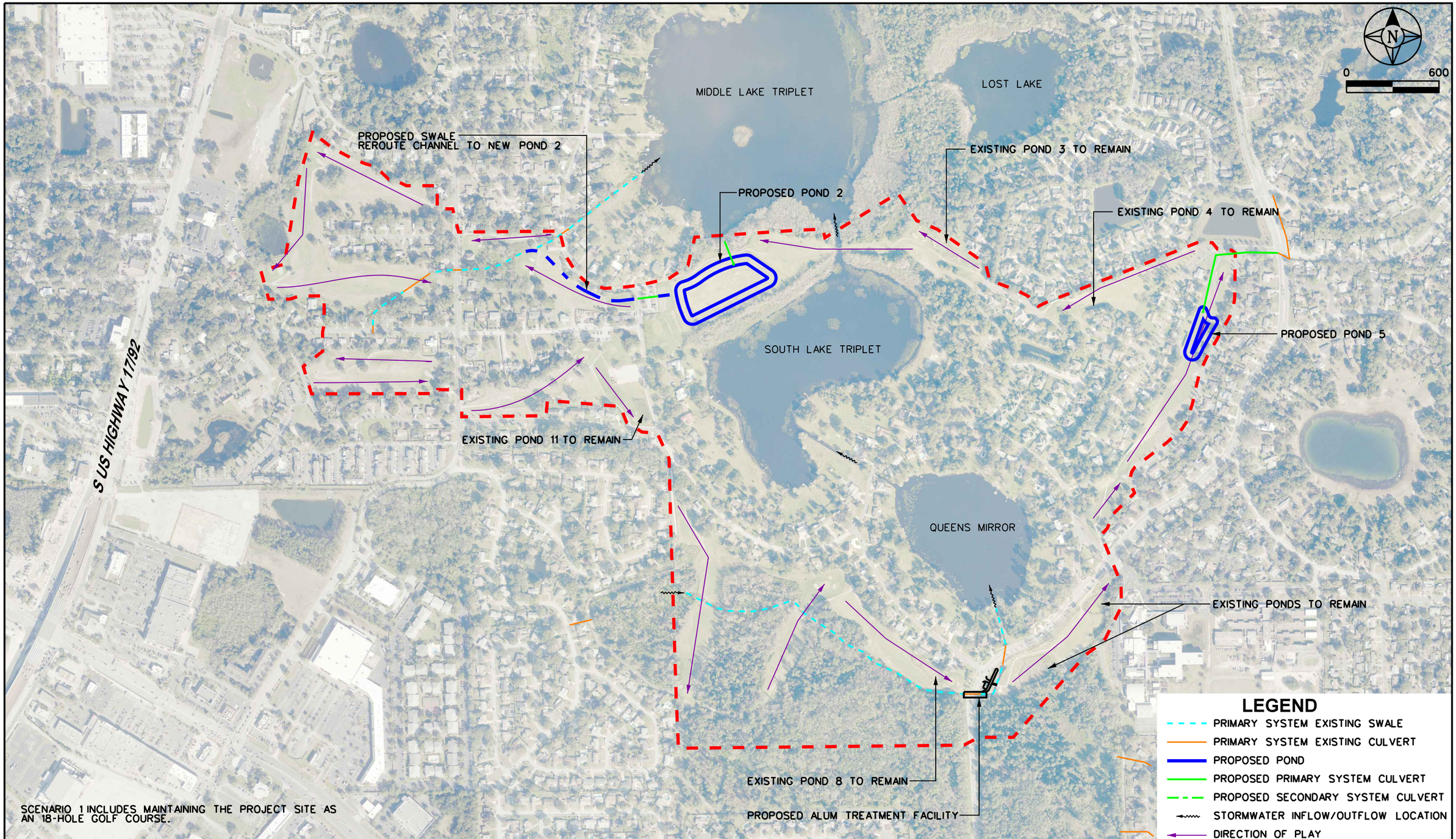
Permitting: Permitting requirements for the alum treatment facility would include an environmental resource permit (ERP) from SJRWMD. This design does not anticipate to have any difficulties regarding permitting of the new treatment system nor are there any anticipated wetland impacts as there will be no rerouting of runoff or changes to the existing drainage patterns.

Soil Contamination: There was no identified soil contamination within the proposed work area. However, as previously discussed in this report, the environmental site assessment was not a comprehensive study and further evaluation of the soils within the proposed work area should be conducted prior to final design.

Construction Cost: The estimated construction cost for the alum treatment facility is $701,500. The construction cost includes a new storage/pump control building, maintenance access driveway, and other miscellaneous equipment. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify potential contamination within the work area. A detailed breakdown of the cost estimate is included in **Table 6.7**.

Annual Maintenance Cost: Maintenance and operation for the treatment facility includes chemical, electric, and labor costs, as well as equipment repair and removal and disposal of accumulated floc. Annual maintenance costs are expected to be $120,700 and does not include upkeep and repairs to the course of play (i.e., fairways, sand traps, greens, etc.).

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this design is roughly $3,115,500 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 49,140 pounds of nitrogen and 9,580 pounds of phosphorous will be removed. This yields a twenty-year price per pound ($/lb) of $63 per pound for nitrogen and $325 per pound for phosphorous.



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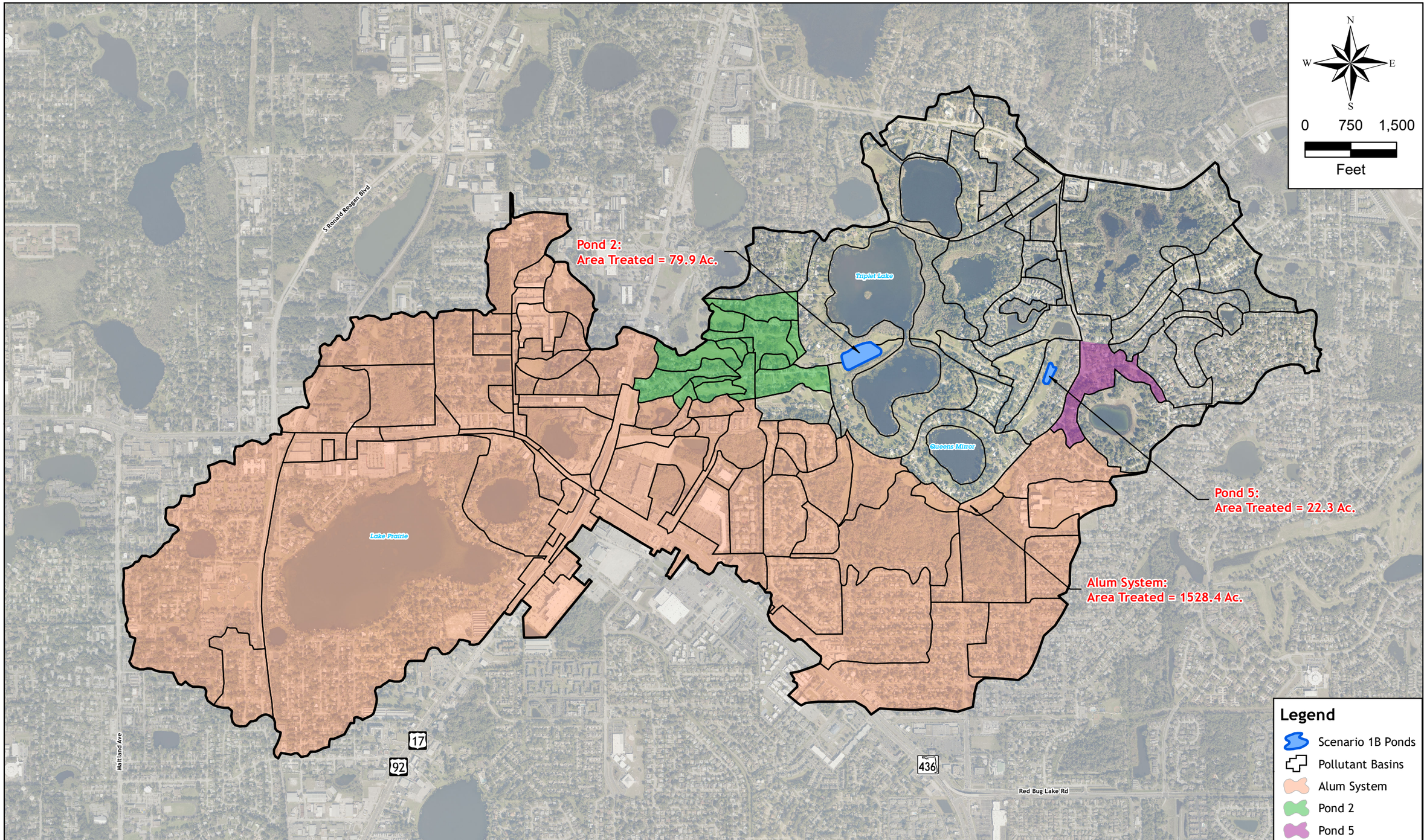

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

SCENARIO 1B DRAINAGE AREAS

FIGURE: 6.12a

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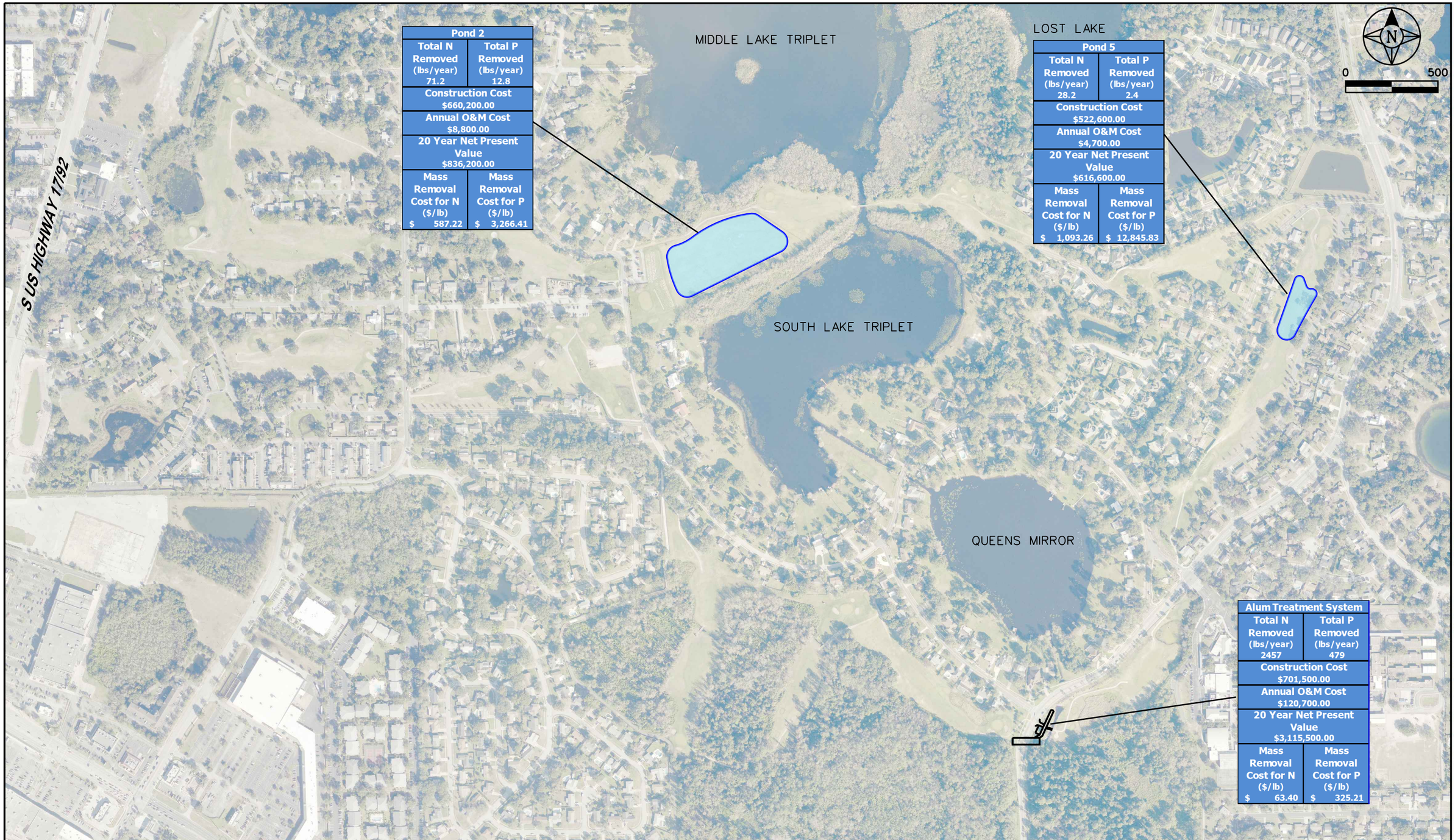

SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	CITY OF CASSELBERRY GOLF COURSE STUDY	SCENARIO 1B RESULTS SUMMARY MAP	FIGURE 6.13

Table 6.7 Preliminary Opinion of Probable Cost
Scenario 1B

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
ALUM SYSTEM					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 23,600.00	$ 23,600.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 3,000.00	$ 3,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 3,000.00	$ 3,000.00
110-1-1	CLEARING & GRUBBING	0.3	AC	$ 11,011.53	$ 3,303.46
160-4	TYPE B STABILIZATION	375	SY	$ 3.32	$ 1,245.00
285-708	OPTIONAL BASE,BASE GROUP 08	375	SY	$ 12.00	$ 4,500.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	31	TN	$ 90.32	$ 2,799.92
570-1-2	PERFORMANCE TURF, SOD	500	SY	$ 2.26	$ 1,130.00
AL	ALUM TREATMENT SYSTEM AND COMPONENTS	1	LS	$ 225,000.00	$ 225,000.00
AB	ALUM BUILDING	1	LS	$ 150,000.00	$ 150,000.00
				Construction Subtotal =	**$ 417,578.38**
				20% contingency (rounded to nearest $100) =	**$ 83,500.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 501,100.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 200,440.00	$ 200,440.00
				Additional Design Services Subtotal =	**$ 200,440.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 701,500.00**

General Notes:

1. This option replaces Ponds 7, 8, & 10.
2. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
3. Additional design, permitting, and construction administration assumed to be 40% of construction cost.

6.4 Scenario 2 – Convert to 9 Hole Golf Course

Designs prepared for Scenario 2 assumes that the current front nine holes (the eastern portion of the course) will be eliminated to maximize potential stormwater improvements. The back nine holes, located west of South Triplet Lake Drive, will remain intact to provide a 9-hole golf course. Design options under this scenario include constructing four new or modified stormwater ponds at strategic locations throughout the current front nine course. A conceptual layout of the overall Scenario 2 designs is presented on **Figure 6.14**. **Figure 6.14a** presents the drainage areas that are proposed to be treated by the ponds.

The pond depths would vary depending on available land but are typically around eight (8) feet below the normal water level with side slopes of 1:4 (vertical:horizontal). These ponds have been maximized to provide higher pollutant removal rates than the ponds presented in Scenario 1. **Figure 6.15** includes the proposed ponds along with summary tables for the results of each pond.

Discussions for the individual ponds are included in the following sections and include a description of the proposed improvements, water quality and quantity improvements, permitting requirements, anticipated maintenance and cost estimate breakdowns.

A node and basin map for this scenario is included as **Figure 6.16** and a floodplain map for the Scenario 2 design model is included as **Figure 6.17**. A comparison of estimated existing condition and design condition flood stages is presented in **Table 6.1**. Model input and results are included in **Appendix E**.

As illustrated in the following sections, there is significant variability in the cost effectiveness of individual components or ponds identified under this scenario. Each component should be evaluated independently as to whether construction is advisable. However, for summary purposes, if all improvements under Scenario 2 are constructed, the estimated total lifecycle cost would be $6,944,200 and would achieve an overall removal of 23,408 pounds of nitrogen at an average cost of $297/lb and remove 4,080 pounds of phosphorus at an average cost of $1,702/lb.

SCENARIO 2 INCLUDES CONVERTING THE CURRENT 18-HOLE HOLE GOLF COURSE INTO A 9-HOLE GOLF COURSE. THE WESTERN PORTION OF THE SITE WILL REMAIN OPEN AS THE 9-HOLE COURSE.

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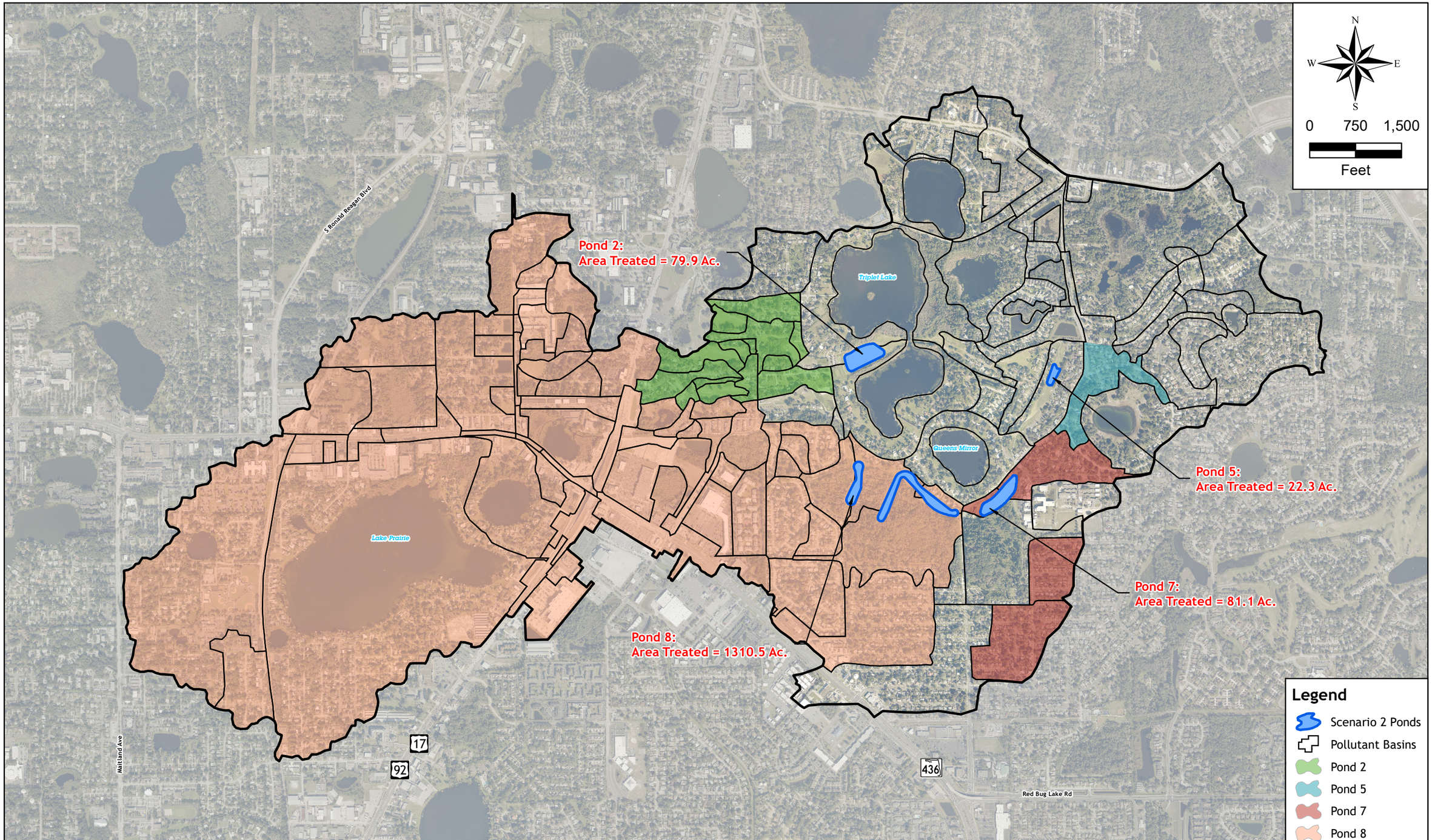

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SCENARIO 2 DRAINAGE AREAS

FIGURE: 6.14a

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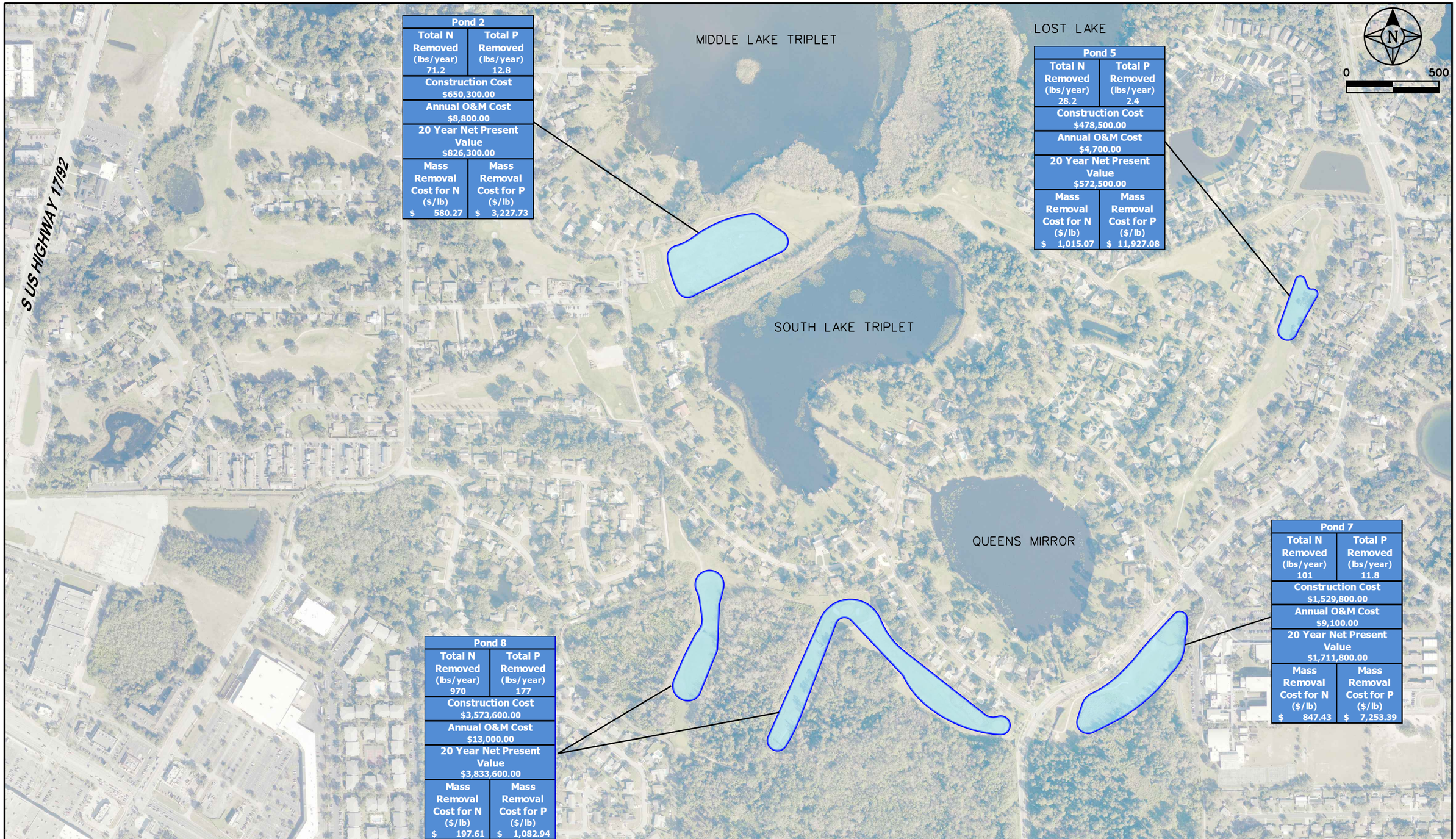

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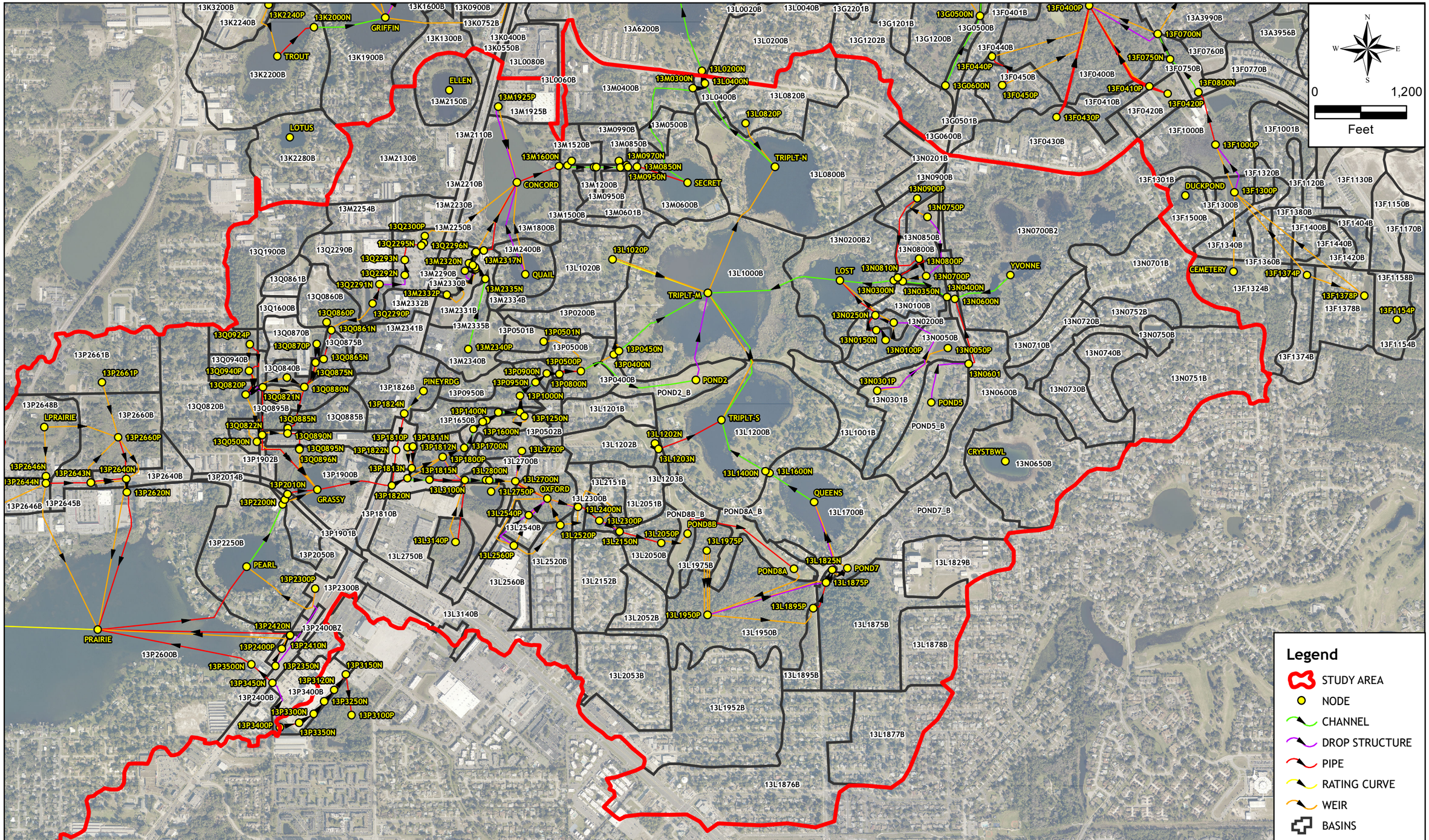
CITY OF CASSELBERRY
GOLF COURSE STUDY

SCENARIO 2
RESULTS SUMMARY MAP

FIGURE 6.15



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SCENARIO 2 NODAL NETWORK MAP

FIGURE: 6.16

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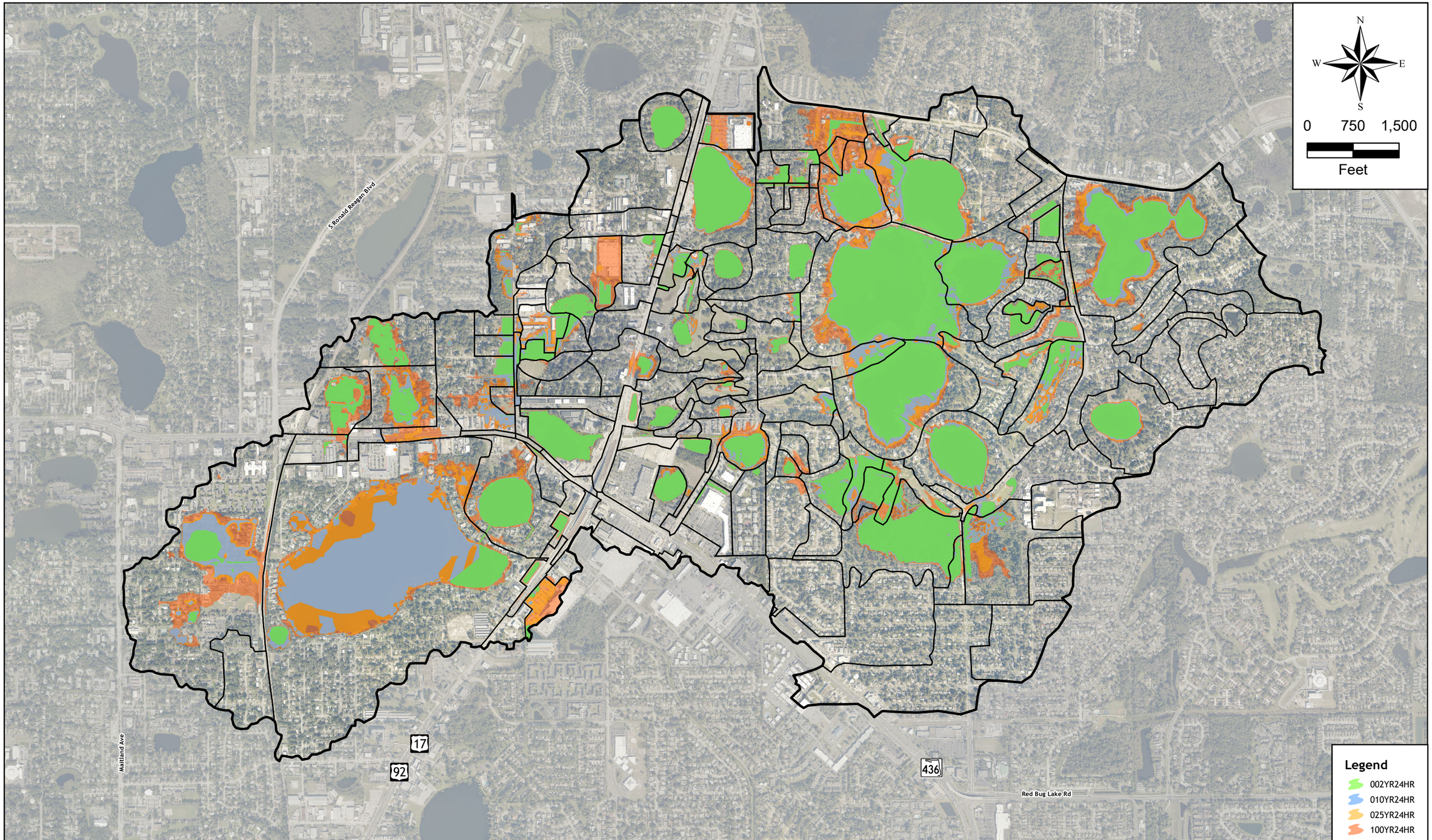

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CASSELBERRY GOLF COURSE STORMWATER OPPORTUNITY FEASIBILITY STUDY

SCENARIO 2 FLOODPLAIN MAP

FIGURE: 6.17

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6.4.1 Pond 2 (Scenario 2)

Pond 2 under this scenario is the same pond proposed in Scenario 1. Improvements to construct the new pond include turning the existing driving range into an aqua or "floating" range, if the driving range is to remain. Since improvements under this scenario are designed to eliminate the front nine holes and convert the course to a 9-hole golf course, the City may also wish to eliminate the driving range. In this situation the current driving range would simply be turned into a wet pond.

The existing swale that drains to Middle Lake Triplet will be intercepted and rerouted to the new Pond 2 through a series of swales and culverts. Refer to **Figure 6.18** for the conceptual layout plan for this pond design. **Figure 6.14a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: This pond will intercept the main inflow channel to Middle Lake Triplet and provide stormwater treatment prior to discharging to the lake. This design will provide treatment for approximately 79.9 acres of previously untreated area and is estimated to remove 71.2 pounds per year (lbs/yr) of nitrogen and 12.8 lbs/yr of phosphorus.

Flood Mitigation: This pond will provide additional storage for the western portion of the golf course, however floodplain improvements will be minimal as there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions.

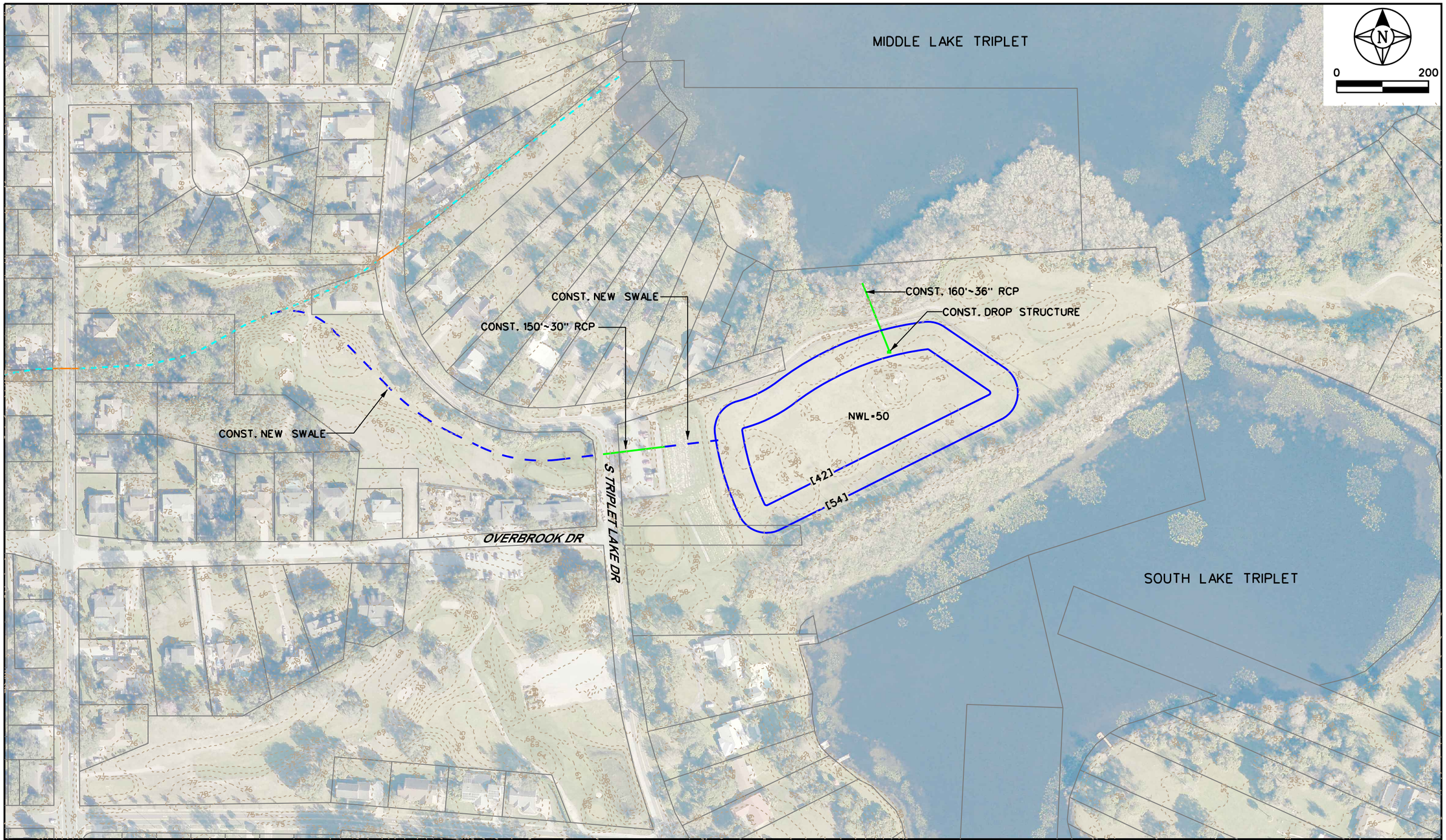
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements with no new impervious area. There are no anticipated permitting difficulties associated with the new pond. Furthermore, this design proposes to intercept runoff from the existing swale at a location just downstream of an existing wetland. There are no anticipated wetland impacts due to the rerouting of the swale. However, there will likely be minor temporary surface water impacts at the interface with the existing swale.

Soil Contamination: There was no identified soil contamination within the Pond 2 parcel. However, as discussed in **Section 5**, the environmental site assessment performed by Ardaman & Associates, Inc. was not a comprehensive study and further evaluation of the soils within the proposed improvement area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $650,300. The construction cost includes earthwork excavation for the new pond and construction of new swales, culverts, and outfall structure to Middle Lake Triplet. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify potential contamination within the work area. A detailed breakdown of the cost estimate is included in **Table 6.8**. While this pond is identical to the Pond 2 listed in Scenario 1, the construction costs in this scenario are slightly lower due to not requiring enhanced grading or sod as a result of eliminating the golf course under Scenario 2.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the outfall structure, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $8,800. There would also be upfront costs to convert the driving range to an aqua range should the City chose to keep a driving range. These costs would be dependent on the type of aqua range and accessories selected and are not included in these cost estimates. Options for the conversion include the use of floating golf balls, yardage markers, and island greens, as well as the method of ball retrieval.

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $826,300 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 1,424 pounds of nitrogen and 256 pounds of phosphorous will be removed. This yields a 20-year price per pound removed of $580 for nitrogen and $3,228 for phosphorous.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 2** **POND 2**	**FIGURE** **6.18**

Table 6.8 Preliminary Opinion of Probable Cost
Scenario 2

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 2					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 21,900.00	$ 21,900.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 11,000.00	$ 11,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 22,000.00	$ 22,000.00
110-1-1	CLEARING & GRUBBING	4.4	AC	$ 11,011.53	$ 48,450.73
120-1	REGULAR EXCAVATION (POND 2)	36,088	CY	$ 4.86	$ 175,386.93
120-5	CHANNEL EXCAVATION	1,759	CY	$ 12.15	$ 21,375.00
120-14	RE-GRADE GOLF COURSE	1	LS	$ 10,000.00	$ 10,000.00
160-4	TYPE B STABILIZATION	900	SY	$ 3.32	$ 2,988.00
285-708	OPTIONAL BASE,BASE GROUP 08	900	SY	$ 12.00	$ 10,800.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	74	TN	$ 90.32	$ 6,683.68
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	310	LF	$ 84.83	$ 26,297.30
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	3	EA	$ 2,102.02	$ 6,306.06
520-3	VALLEY GUTTER- CONCRETE	50	LF	$ 19.04	$ 952.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	83	SY	$ 36.25	$ 3,020.83
570-1-1	PERFORMANCE TURF (BERMUDA)	2,904	SY	$ 3.39	$ 9,844.56
570-1-2	PERFORMANCE TURF, SOD	2,981	SY	$ 2.26	$ 6,738.05
				Construction Subtotal =	**$ 387,073.50**
				20% contingency (rounded to nearest $100) =	**$ 77,400.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 464,500.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 185,800.00	$ 185,800.00
				Additional Design Services Subtotal =	**$ 185,800.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 650,300.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Does not include costs for revisions to irrigation system for golf course.

6.4.2 Pond 5 (Scenario 2)

The design of Pond 5 in this scenario is identical to the pond presented in Scenario 1. Design improvements for this new pond include incorporating a new pond within Hole #6. A new conflict structure will be constructed within the existing secondary system on Winter Park Drive that will reroute runoff to this new pond. Once stages for the pond reach a set elevation, runoff will flow over the weir inside the conflict structure and flow north as it currently does. Refer to **Figure 6.19** for the conceptual layout plan for this pond design. **Figure 6.14a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: The pond will provide treatment for approximately 22.3 acres of previously untreated development for a portion of the basin just east of the proposed pond. Pollutant removal rates for the pond are anticipated to be 28.2 lbs/yr for nitrogen and 2.4 lbs/yr for phosphorus.

Flood Mitigation: This pond will provide additional storage for Hole #6 and the surrounding properties. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. It is noted that there is an increase in downstream stages at a couple of nodes (*Node ID: 13N0400N and 13N0600N*) resulting from the increased runoff being directed to these locations. If this design is selected, further analysis should be conducted to determine the significance of the stage increases or if there is another design solution to reroute or reduce the stage results.

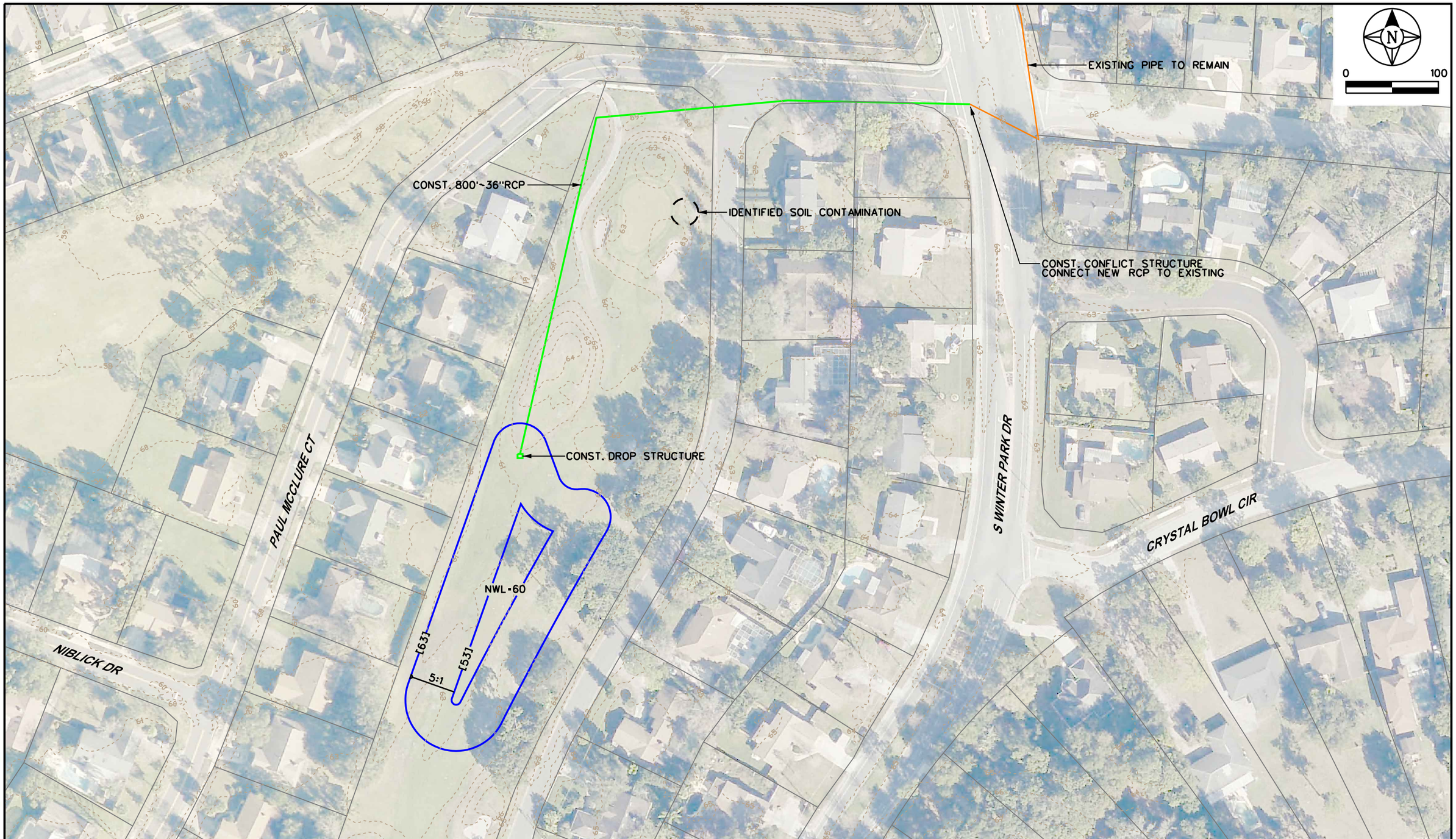
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements and no new impervious area. This design does not anticipate to have any difficulties regarding permitting of the new pond. In addition, there are no adjacent wetlands that should be affected with the interception and rerouting of stormwater.

Soil Contamination: Pond 5 has been located to avoid boring locations found to contain soil contamination, however, contamination was detected in at both ends of Hole #6 near the tees and on the greens. While no contamination was observed within the footprint for the new pond further evaluation of the soils within the proposed improvement area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $478,500. The construction cost includes earthwork excavation for the new pond and construction of new culverts, and junction boxes, including the new conflict structure. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the limits of contamination surrounding the proposed pond site. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.9**. While this pond is identical to the Pond 5 listed in Scenario 1, the construction costs in this scenario are slightly lower due to not requiring enhanced grading or sod as a result of eliminating the golf course under Scenario 2.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $4,700.

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $572,500 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 564 pounds of nitrogen and 48 pounds of phosphorous will be removed. This yields a twenty-year price per pound removed ($/lb) of $1,015 for nitrogen and $11,927 for phosphorous.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 2** **POND 5**	**FIGURE** **6.19**

Table 6.9 Preliminary Opinion of Probable Cost
Scenario 2

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 5					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 16,100.00	$ 16,100.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 9,000.00	$ 9,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 4,500.00	$ 4,500.00
110-1-1	CLEARING & GRUBBING	0.9	AC	$ 11,011.53	$ 9,910.38
120-1	REGULAR EXCAVATION	6,759	CY	$ 4.86	$ 32,849.03
160-4	TYPE B STABILIZATION	367	SY	$ 3.32	$ 1,217.33
285-708	OPTIONAL BASE,BASE GROUP 08	367	SY	$ 12.00	$ 4,400.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30	TN	$ 90.32	$ 2,709.60
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
425-2-92	MANHOLES, J-8, >10'	3	EA	$ 10,401.13	$ 31,203.39
425-3-61	JUNCTION BOXES, J-7, <10'	1	EA	$ 7,000.00	$ 7,000.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	800	LF	$ 114.22	$ 91,376.00
520-3	VALLEY GUTTER- CONCRETE	275	LF	$ 19.04	$ 5,236.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	192	SY	$ 36.25	$ 6,947.92
570-1-1	PERFORMANCE TURF	3,872	SY	$ 0.86	$ 3,329.92
570-1-2	PERFORMANCE TURF, SOD	1,012	SY	$ 2.26	$ 2,286.13
CS	REMOVE & DISPOSE CONTAMINATED SOIL	534	TN	$ 100.00	$ 53,361.00
				Construction Subtotal =	**$ 284,757.04**
				20% contingency (rounded to nearest $100) =	**$ 57,000.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 341,800.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 136,720.00	$ 136,720.00
				Additional Design Services Subtotal =	**$ 136,720.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 478,500.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Contaminated soil (CS) quantity assumes 5% of pond earthwork @ 1.5 tons/cy.

6.4.3 Pond 7 (Scenario 2)

Design improvements for Pond 7 are somewhat similar to the Scenario 1 design in that it includes modifying and expanding the two existing ponds located on the current Hole #4. Scenario 2 includes eliminating this portion of the golf course, however, so the improvements to the ponds here are more significant. The two existing ponds will be expanded and combined into a single larger pond that encompasses the majority of Hole #4. The pond bottom will be dug down approximately six (6) feet to provide additional permanent pool volume. The basin area that that currently drains to the ponds will still flow to the new Pond 7. In addition, a secondary drainage system will be constructed to the south of the pond that will run parallel to the wetland. The new culvert will collect runoff from outfall structures for a residential development to the southeast. This will allow previously untreated runoff from the residential area to be diverted from the wetland and be treated in the new pond prior to discharging to South Lake Triplet. A conceptual layout plan for this pond is included in **Figure 6.20**. **Figure 6.14a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: The new pond will provide treatment for approximately 81.1 acres of previously untreated development in addition to improved pollutant removal from the areas that currently drain to the existing ponds. Pond 7 is anticipated to remove an additional 101 lbs/yr of nitrogen and 11.8 lbs/yr of phosphorus above existing pollutant removals from the existing ponds.

Flood Mitigation: This pond will provide additional storage for the development to the east and southeast, however there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. If the City elects to move forward with the implementation of this pond, tailwater elevations for the drainage system serving the existing residential subdivision will need to be evaluated to ensure the proposed improvements do not create flooding issues for the subdivision as a result of rerouting runoff to the new pond.

Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements with no new impervious area. This design may include impacts to the wetlands in order to construct the new secondary drainage system culverts and collection system. If wetlands are encountered within the limits of the proposed work, mitigation for the impacts may be required. In addition, wetland hydration issues will need to be examined with this option as a result of diverting runoff that currently discharges directly to the wetland to the new pond. Tailwater elevations for the drainage system serving the existing residential subdivision will also need to be evaluated to ensure the proposed improvements do not create flooding issues for the subdivision as a result of rerouting runoff to the new pond.

Soil Contamination: The environmental site assessment performed by Ardaman & Associates, Inc. identified a location of soil contamination at the boring located on the Hole #4 greens. The proposed expanded pond footprint includes improvements within this boring location, thus remediation will be required for this option. Further evaluation of soils within the work area should be conducted prior to final design to determine the extent of contamination and amount of remediation work required.

Construction Cost: The estimated construction cost for this pond is $1,529,800. The construction cost includes earthwork excavation for the new pond, construction of new culverts and manholes, and construction costs to repair/replace the trail and parking lot required as a result of construction activities for the new secondary drainage system. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the extent of soil contamination within the proposed pond site. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.10**.

Maintenance Cost: Maintenance of the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $9,100.

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $1,711,800 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 2,020 pounds of nitrogen and 236 pounds of phosphorous will be removed. This yields a twenty-year price per pound removed of $847 for nitrogen and $7,253 for phosphorous.

SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 2** **POND 7**	**FIGURE** **6.20**

Table 6.10 Preliminary Opinion of Probable Cost
Scenario 2

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 7					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 51,500.00	$ 51,500.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 9,000.00	$ 9,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 18,000.00	$ 18,000.00
110-1-1	CLEARING & GRUBBING	3.6	AC	$ 11,011.53	$ 39,641.51
120-1	REGULAR EXCAVATION	38,171	CY	$ 4.86	$ 185,511.37
160-4	TYPE B STABILIZATION	933	SY	$ 3.32	$ 3,098.67
285-708	OPTIONAL BASE,BASE GROUP 08	933	SY	$ 12.00	$ 11,200.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	77	TN	$ 90.32	$ 6,954.64
425-1-541	INLETS, DT BOT, TYPE D, <10'	2	EA	$ 3,330.35	$ 6,660.70
425-2-92	MANHOLES, J-8, >10'	4	EA	$ 10,401.13	$ 41,604.52
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	1840	LF	$ 84.83	$ 156,087.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	230	LF	$ 114.22	$ 26,270.60
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	1	EA	$ 2,102.02	$ 2,102.02
430-982-138	MITERED END SECT, OPTIONAL RD, 36" CD	2	EA	$ 2,980.70	$ 5,961.40
520-1-10	CONCRETE CURB & GUTTER, TYPE F	375	LF	$ 18.71	$ 7,016.25
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	778	SY	$ 36.25	$ 28,194.44
570-1-2	PERFORMANCE TURF, SOD	4,579	SY	$ 2.26	$ 10,347.73
CS	REMOVE & DISPOSE CONTAMINATED SOIL	3,014	TN	$ 100.00	$ 301,350.50
				Construction Subtotal =	**$ 910,501.54**
				20% contingency (rounded to nearest $100) =	**$ 182,100.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 1,092,700.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 437,080.00	$ 437,080.00
				Additional Design Services Subtotal =	**$ 437,080.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 1,529,800.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Contaminated soil (CS) quantity assumes 5% of pond earthwork @ 1.5 tons/cy.

6.4.4 Pond 8 (Scenario 2)

Design improvements for Pond 8 include constructing a new linear shaped stormwater pond on the current Holes #1, 2, and 3. Pond 8 actually includes two separate ponds that will be connected by an equalizer pipe to create a single larger pond. A new secondary drainage system will be constructed along the existing golf cart path to reroute offsite runoff to the new pond. The new culvert system will collect runoff from the neighboring residential subdivision to the south of this hole and direct it to the new pond. In addition, the primary channel that flows to Queens Mirror will also be intercepted and routed to the new pond. A conceptual layout plan for this pond is included in **Figure 6.21**. **Figure 6.14a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: The new pond will provide treatment for approximately 1310.5 acres of previously untreated area. The new pond is anticipated to remove an additional 970 lbs/yr of nitrogen and 177 lbs/yr of phosphorus.

Flood Mitigation: This pond will provide additional storage for the development to the southwest, however there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions. If the City elects to move forward with the implementation of this pond, tailwater elevations for the drainage system serving the existing residential subdivision will need to be evaluated to ensure the proposed improvements do not create flooding issues for the subdivision as a result of rerouting runoff to the new pond.

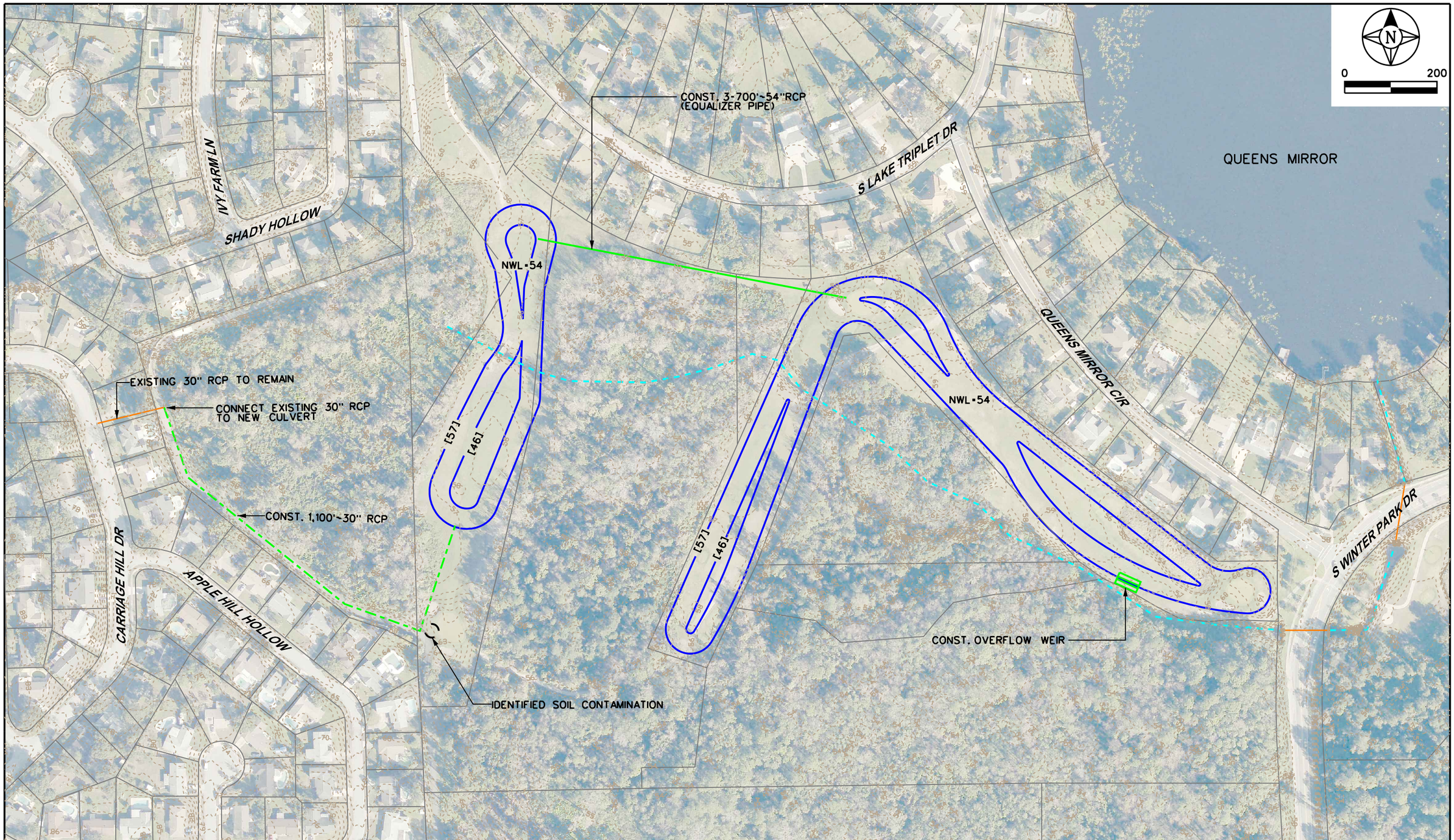
Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements and no new impervious area. This design will likely include impacts to the wetlands which would need to be mitigated for. Construction of the equalizer pipe will likely require either permanent or temporary impacts to the adjacent wetland as there is minimal separation between the rear property lines for the residential houses and the wetland. In addition, construction of the new secondary drainage system along the golf cart path to the south may also require impacts to the surrounding wetlands. The new culverts and manholes are proposed to be located within the existing golf cart path in order to minimize and/or eliminate impacting the surrounding wetlands. However, the final design and layout for the culverts along with the actual locations of the jurisdictional wetlands will determine any impacts and mitigation requirements. Another issue that would need to be examined is possible hydroperiod issues associated with rerouting runoff away from the wetlands. This design proposes to intercept runoff from the channel prior to it entering a portion of the wetlands. An environmental study of this impact would need to be conducted to verify the hydrologic impacts this will have on the wetlands.

Soil Contamination: Pond 8 has been located to avoid boring locations with an identified soil contamination, however, contamination was detected on the greens for Hole #1. While no contamination was observed within the footprint for the new pond, further evaluation of the soils within the proposed work area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $3,573,600. The construction cost includes earthwork excavation for the new pond, construction of new culverts and manholes, and replacement of a portion of the existing bike trail. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the limits of contamination within the proposed work area. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.11**.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $13,000.

Life Cycle Cost-Benefit: The twenty (20) year net present value life cycle cost for this pond is roughly $3,833,600 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 19,400 pounds of nitrogen and 3,540 pounds of phosphorous will be removed. This yields a twenty-year price per pound of $198 for nitrogen and $1,083 for phosphorous.



SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 2** **POND 8**	**FIGURE** **6.21**

Table 6.11 Preliminary Opinion of Probable Cost
Scenario 2

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 8					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 120,400.00	$ 120,400.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 18,750.00	$ 18,750.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 37,500.00	$ 37,500.00
110-1-1	CLEARING & GRUBBING	7.5	AC	$ 11,011.53	$ 82,586.48
120-1	REGULAR EXCAVATION (POND 8)	69,460	CY	$ 4.86	$ 337,577.80
425-2-92	MANHOLES, J-8, >10'	5	EA	$ 10,401.13	$ 52,005.65
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	1,100	LF	$ 84.83	$ 93,313.00
430-175-154	PIPE CULV, OPT MATL, ROUND, 54"S/CD	2100	LF	$ 336.41	$ 706,466.25
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	1	EA	$ 2,102.02	$ 2,102.02
430-982-142	MITERED END SECT, OPTIONAL RD, 54" CD	6	EA	$ 6,776.82	$ 40,660.92
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	889	SY	$ 36.25	$ 32,222.22
570-1-2	PERFORMANCE TURF, SOD	11,136	SY	$ 2.26	$ 25,168.37
OF	OVERFLOW WEIR	1	LS	$ 30,000.00	$ 30,000.00
CS	REMOVE & DISPOSE CONTAMINATED SOIL	5,484	TN	$ 100.00	$ 548,372.00
				Construction Subtotal =	**$ 2,127,124.71**
				20% contingency (rounded to nearest $100) =	**$ 425,400.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 2,552,600.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 1,021,040.00	$ 1,021,040.00
				Additional Design Services Subtotal =	**$ 1,021,040.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 3,573,600.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Contaminated soil (CS) quantity assumes 5% of pond earthwork @ 1.5 tons/cy.
4. Unit price for 430-175-154 increased to account for temporary wetland impacts.

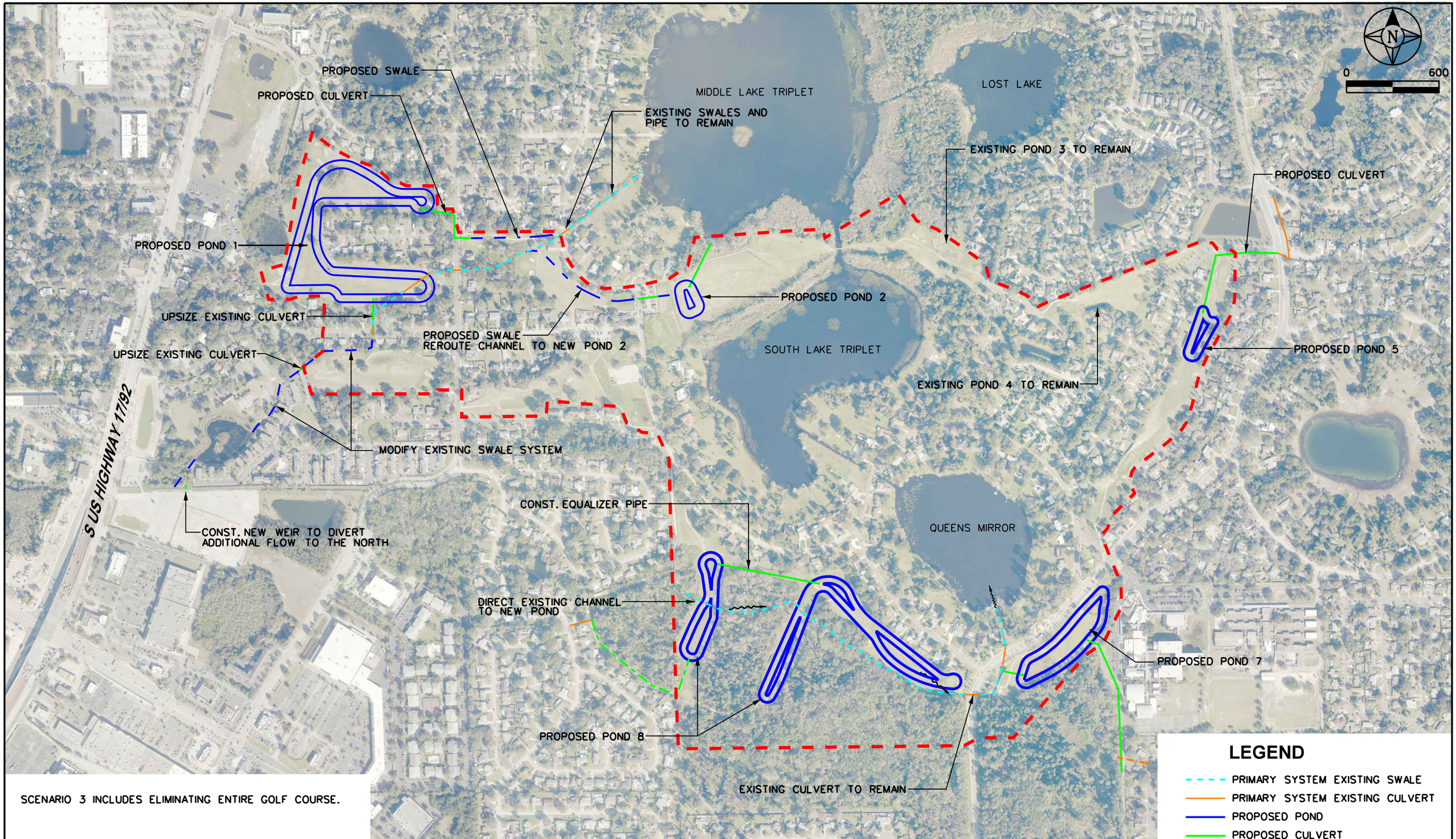
6.5 Scenario 3 – Eliminate Golf Course

Scenario 3 examines eliminating the entire 18-hole golf course in order to maximize potential stormwater improvements. Design options in this scenario include constructing five new and/or revised stormwater ponds throughout the golf course. A conceptual layout of Scenario 3 is included as **Figure 6.22**. **Figure 6.22a** presents the drainage areas that are proposed to be treated by the ponds.

Several of the ponds proposed in the eastern portion of the site (the front nine holes) are the same as proposed and discussed under Scenario 2. Ponds 5, 7, and 8 are identical to the previously discussed ponds. Detailed discussions on these ponds can be found in **Section 6.4**. Discussions of the other two ponds are included in the following sections and include descriptions of the proposed improvements, water quality and quantity enhancements, permitting requirements, anticipated maintenance and construction cost estimate breakdowns. **Figure 6.23** includes the proposed layout along with summary tables for each of the ponds in Scenario 3.

A node and basin map for this scenario is included as **Figure 6.24** and a floodplain map for this design is included as **Figure 6.25**. A comparison of estimated existing condition and design condition flood stages is presented in **Table 6.1**. Full input reports and model results are included in **Appendix E**.

As illustrated in the following sections, there is significant variability in the cost effectiveness of individual components or ponds identified under this scenario. Each component should be evaluated independently as to whether construction is advisable. However, for summary purposes, if all improvements under Scenario 3 are constructed, the estimated total lifecycle cost would be $10,889,200 and would achieve an overall removal of 26,788 pounds of nitrogen at an average cost of $407/lb and remove 4,360 pounds of phosphorus at an average cost of $2,498/lb.



SCENARIO 3 INCLUDES ELIMINATING ENTIRE GOLF COURSE.

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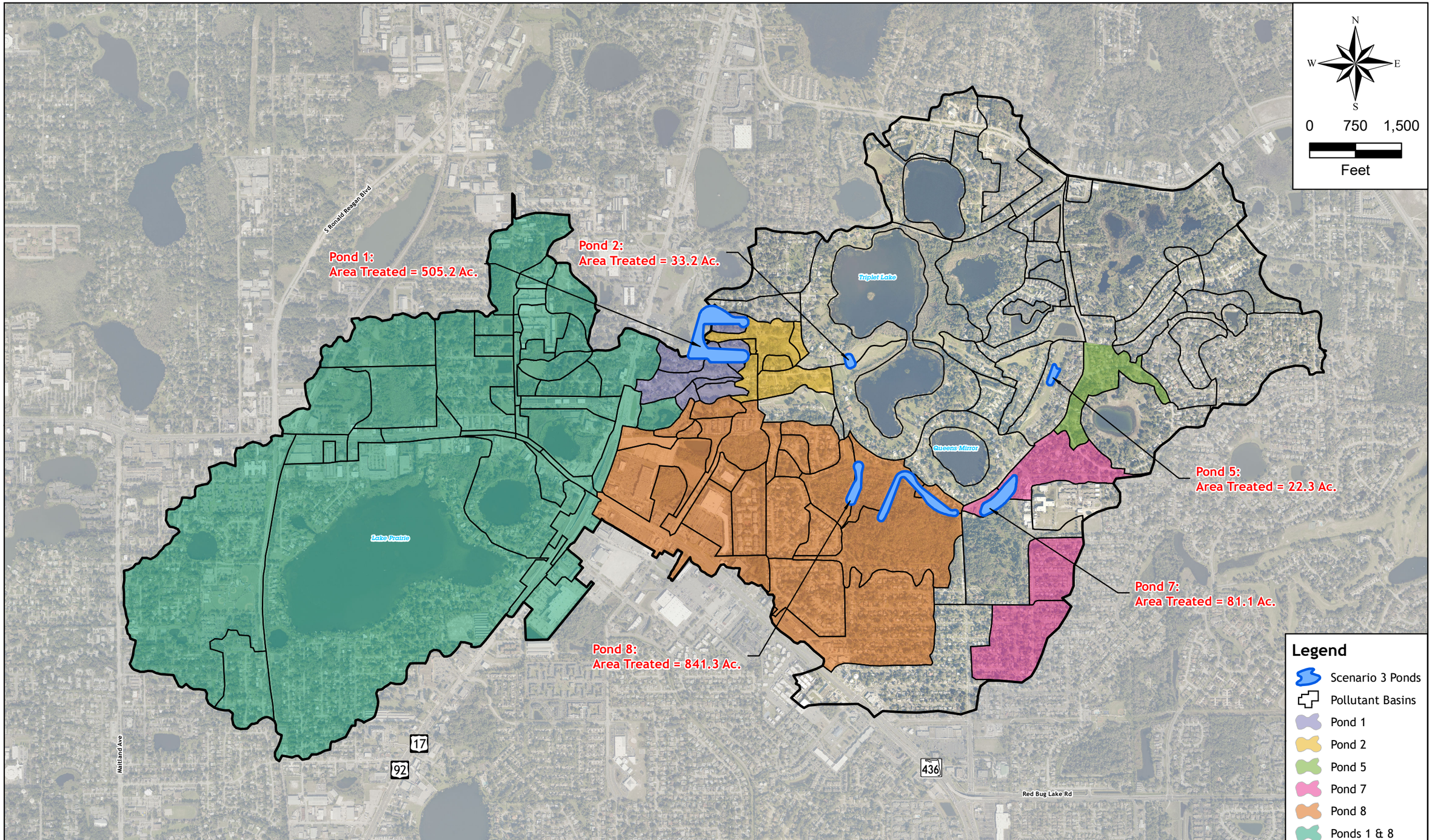

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SCENARIO 3 DRAINAGE AREAS

FIGURE: 6.22a

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 6.22a - Scenario3_DrainageAreas.mxd)
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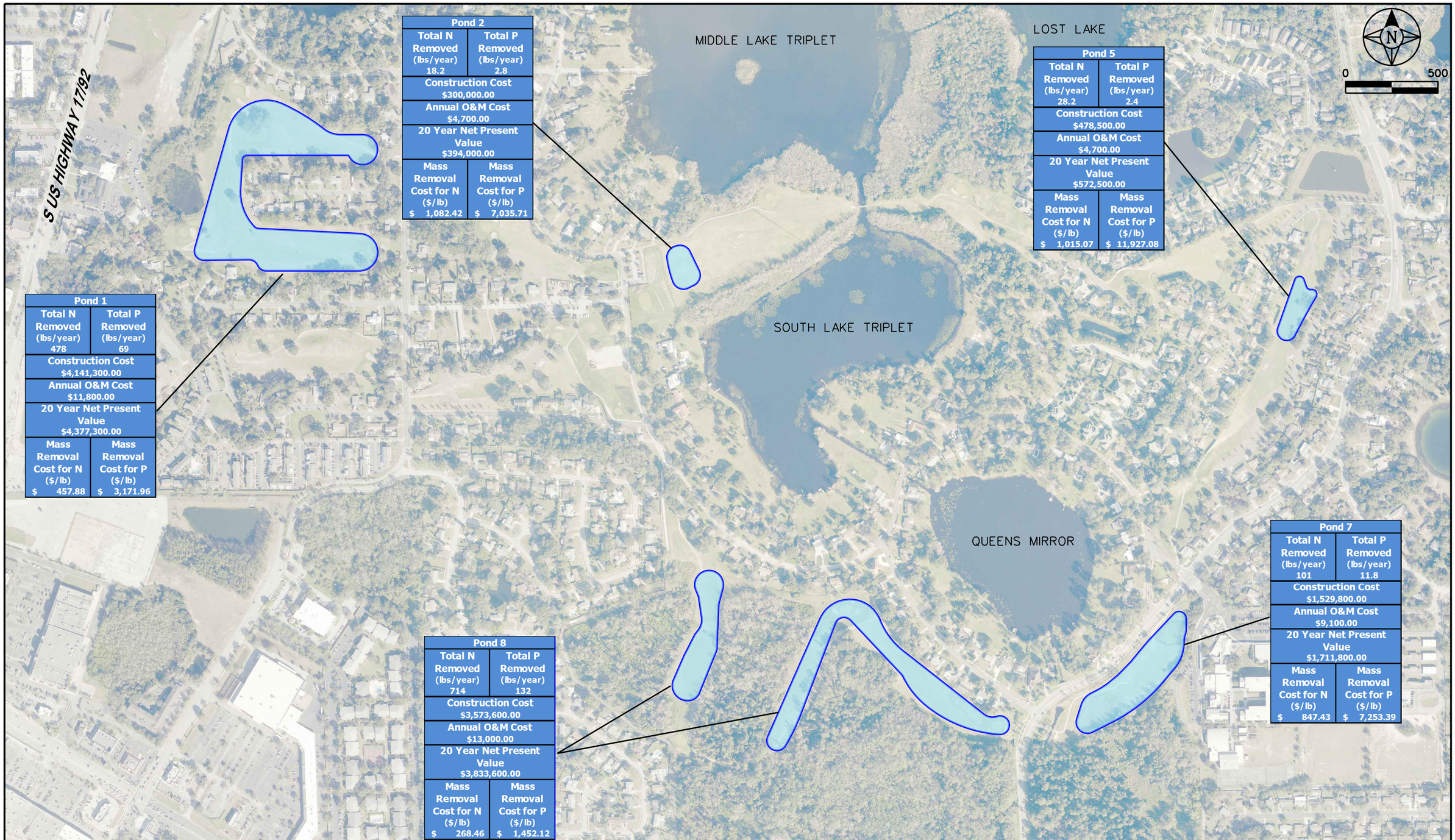

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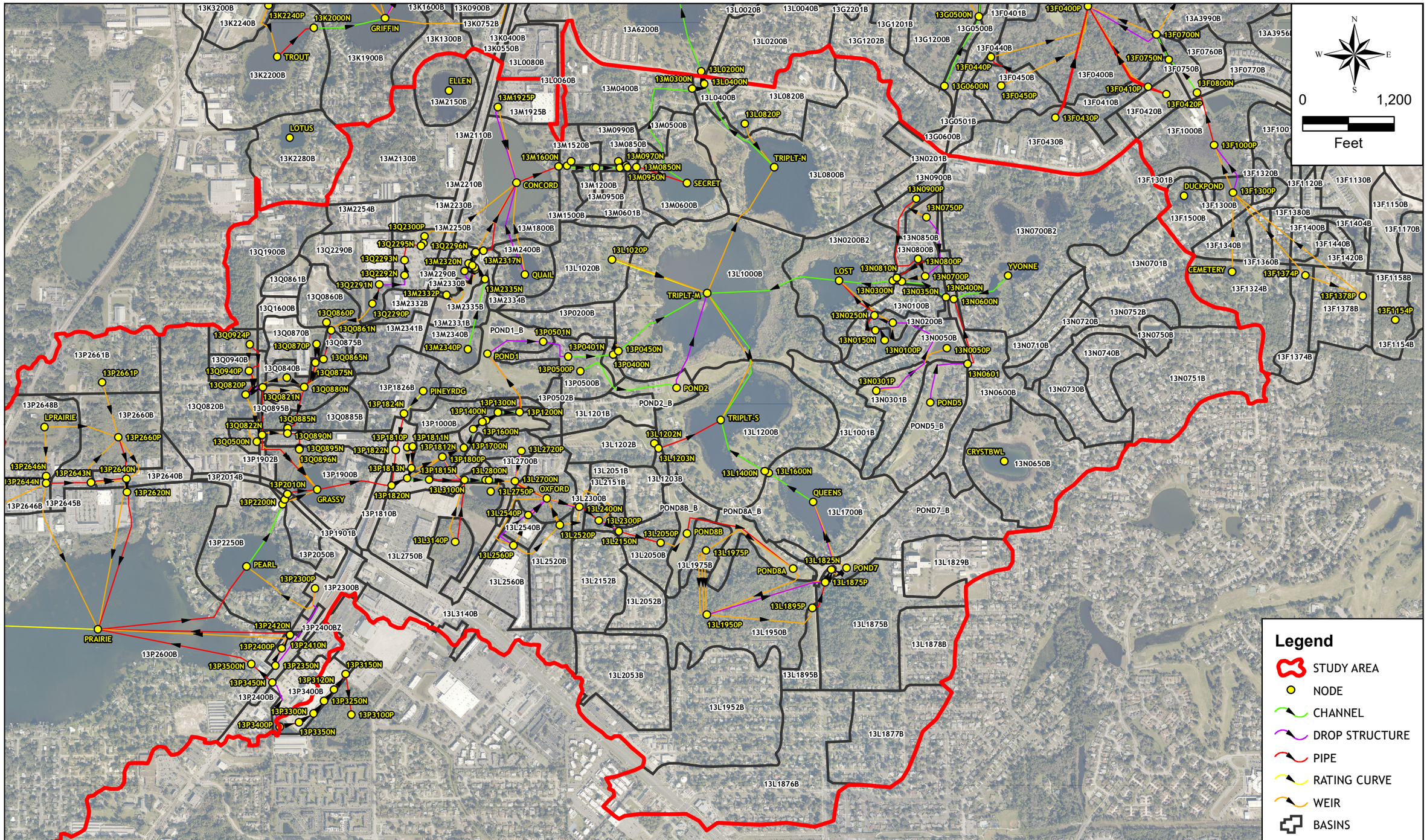
CITY OF CASSELBERRY
GOLF COURSE STUDY

SCENARIO 3
RESULTS SUMMARY MAP

FIGURE 6.23



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SCENARIO 3 NODAL NETWORK MAP

FIGURE: 6.24

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\GCS_Fig6-24_NodeMap_Alternative3.mxd)
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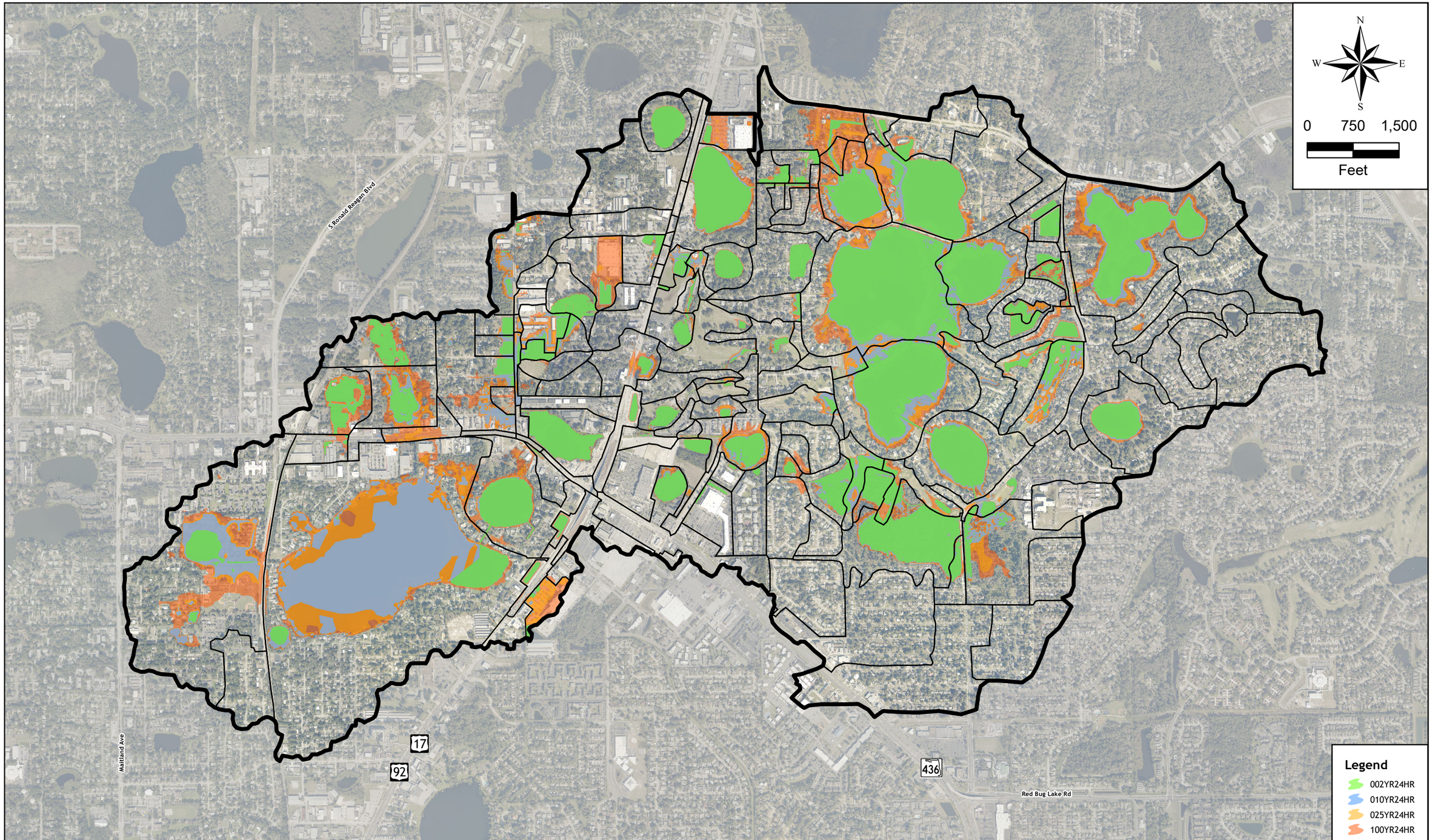

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SCENARIO 3 FLOODPLAIN MAP

FIGURE: 6.25

Map Document: (N:\Casselberry\GolfCourseStudy\ArcView\Figure 6.25-FloodplainMap_Scenario3.mxd)
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6.5.1 Pond 1 (Scenario 3)

Design improvements for Pond 1 include constructing a new stormwater pond on the current Holes #12, 13, and 14. A diversion weir will be constructed near the Sandpiper Apartment Complex to redirect a portion of runoff from Grassy Lake towards the new pond. Existing swales and culverts from near Highway 17-92 to the new pond will be modified and upsized in order to convey the additional flow to Pond 1. This will allow runoff from this primary inflow channel to the chain of lakes to be intercepted and routed to the new pond for treatment prior to discharging to the Middle Lake Triplet. A conceptual layout plan for this pond is included in **Figure 6.26**. **Figure 6.22a** shows the drainage areas that are proposed to be routed to this pond. Under existing conditions, approximately 90% of runoff from Grassy Lake flows towards Queens Mirror Lake. This design will direct approximately 50% of the Grassy Lake runoff to the new pond and ultimately Middle Lake Triplet and the remaining 50% will continue towards Queens Mirror Lake as it currently does.

Water Quality Improvement: The new pond will provide treatment for approximately 505.2 acres of previously untreated area. The pond is anticipated to remove 478 lbs/yr of nitrogen and 69 lbs/yr of phosphorus.

Flood Mitigation: This pond will provide additional storage for the western portion of the golf course as well as the upstream development areas. There are no significant flooding issues report in the area however, so floodplain improvements will be minimal. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions.

Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements with no new impervious area. This design will likely include wetland and surface water impacts due to the rerouting of the portion of Grassy Lake runoff that currently flows to Queens Mirror and directing it to the new pond and ultimately Middle Lake Triplet. Another issue that would need to be examined is possible hydroperiod issues associated with rerouting runoff from one basin to another. This design proposes to intercept runoff that currently flows to Queens Mirror and redirecting it to Middle Lake Triplet. An environmental study of this impact would need to be conducted to verify the hydrologic impacts this will have on the effected wetlands.

Stormwater Credits: Most of the area immediately west and southwest of the golf course has been redeveloped (or is in progress). However, if additional redevelopment is proposed, this pond provides enough storage capacity and treatment volume to allow the City to sell or trade permit credits. Prices for these credits are highly variable and are dependent on market conditions and a developer's plans. Site plans with limited space for onsite stormwater improvements will be more willing to pay a higher price in order to reduce or eliminate the footprint of their pond. Developers will weigh the benefit of constructing a larger or additional building on their site versus the cost of purchasing the stormwater credits. Pond 1 is anticipated to have approximately 8.5 ac-ft of storage available for new development.

Soil Contamination: Pond 1 has been designed to avoid boring locations with identified soil contamination, however, contamination was detected on the adjacent tees for Hole #13. While no contamination was observed within the footprint for the new pond, further evaluation of the soils within the proposed work area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $4,141,300. The construction cost includes earthwork excavation for the new pond, construction of new culverts, inlets, manholes, and modifications to the existing swales. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify the limits of contamination within the proposed work area. For the purpose of this cost estimate, the quantity of contaminated soil required to be disposed of was assumed to be 5% of the earthwork. A detailed breakdown of the cost estimate is included in **Table 6.12**.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the structures, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $11,800.

Life Cycle Cost-Benefit: The 20-year net present value life cycle cost for this pond is roughly $4,377,300 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 9,560 pounds of nitrogen and 1,380 pounds of phosphorous will be removed. This yields a twenty-year price per pound ($/lb) of $458 for nitrogen and $3,172 for phosphorous.

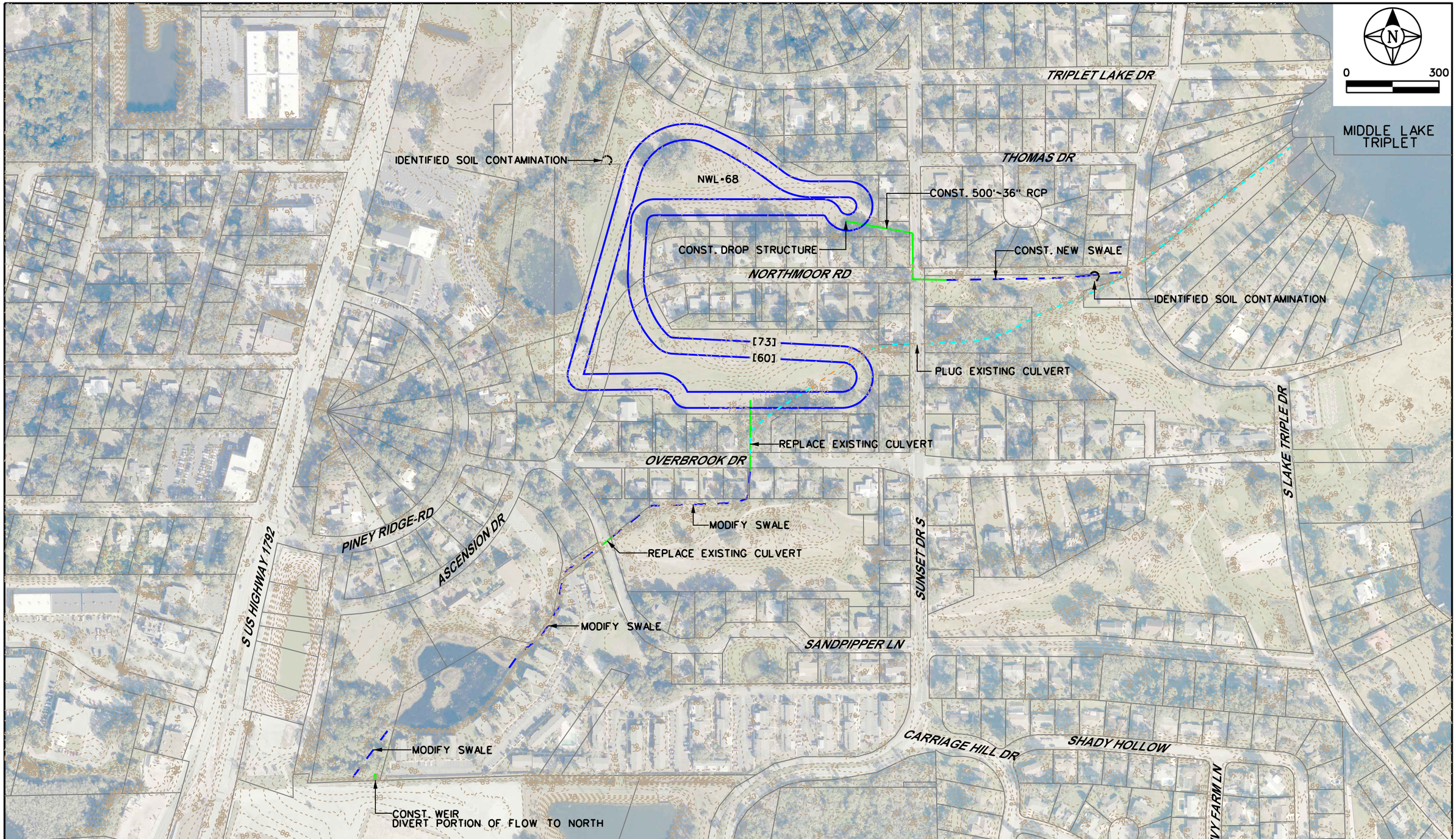

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Table 6.12 Preliminary Opinion of Probable Cost
Scenario 3

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 1					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 139,500.00	$ 139,500.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 54,000.00	$ 54,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 81,000.00	$ 81,000.00
110-1-1	CLEARING & GRUBBING	10.8	AC	$ 11,011.53	$ 118,924.52
120-1	REGULAR EXCAVATION (POND 1)	140,170	CY	$ 4.86	$ 681,226.35
120-5	CHANNEL EXCAVATION	3,519	CY	$ 12.15	$ 42,750.00
160-4	TYPE B STABILIZATION	667	SY	$ 3.32	$ 2,213.33
285-708	OPTIONAL BASE,BASE GROUP 08	667	SY	$ 12.00	$ 8,000.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	55	TN	$ 90.32	$ 4,967.60
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
425-2-92	MANHOLES, J-8, >10'	2	EA	$ 10,401.13	$ 20,802.26
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	1060	LF	$ 114.22	$ 121,073.20
430-982-138	MITERED END SECT, OPTIONAL RD, 36" CD	9	EA	$ 2,980.70	$ 26,826.30
430-830	PIPE FILLING AND PLUGGING	26	CY	$ 179.22	$ 4,691.97
520-3	VALLEY GUTTER- CONCRETE	380	LF	$ 19.04	$ 7,235.20
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	42	SY	$ 36.25	$ 1,510.42
570-1-1	PERFORMANCE TURF	5,806	SY	$ 0.86	$ 4,992.78
570-1-2	PERFORMANCE TURF, SOD	11,234	SY	$ 2.26	$ 25,388.03
DV	DIVERSION WEIR	1	EA	$ 10,000.00	$ 10,000.00
CS	REMOVE & DISPOSE CONTAMINATED SOIL	11,066	TN	$ 100.00	$ 1,106,605.50
				Construction Subtotal =	**$ 2,465,037.80**
				20% contingency (rounded to nearest $100) =	**$ 493,000.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 2,958,100.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 1,183,240.00	$ 1,183,240.00
				Additional Design Services Subtotal =	**$ 1,183,240.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 4,141,300.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.
3. Contaminated soil (CS) quantity assumes 5% of earthwork for pond 1

6.5.2 Pond 2 (Scenario 3)

This scenario includes constructing a new stormwater pond where the current driving range is located. This pond design is similar to the Pond 2 under the previous scenarios in that it proposes to redirect flow from the primary inflow channel to Middle Lake Triplet to the new pond. However, due to the design of Pond 1 associated with this scenario, the basin area that this pond will treat is much smaller than the previous scenario designs. As such, the Scenario 3 Pond 2 is significantly smaller than the Pond 2 presented in Scenario 1 or 2. Refer to **Figure 6.27** for the conceptual layout plan for this pond design. **Figure 6.22a** shows the drainage areas that are proposed to be routed to this pond.

Water Quality Improvement: The primary benefit of this pond comes from the additional treatment provided. This design will provide treatment to approximately 33.2 acres of previously untreated area and is anticipated to remove 18.2 pounds per year (lbs/yr) of nitrogen and 2.8 lbs/yr of phosphorus.

Flood Mitigation: This pond will provide additional storage for the western portion of the golf course, however floodplain improvements will be minimal as there are no significant flooding issues reported in this area. **Table 6.1** summarizes the results of the peak stages for this scenario in comparison to the existing conditions.

Permitting: Permitting requirements for this pond would include an environmental resource permit (ERP) from SJRWMD. This pond proposes water quality improvements and no new impervious area. This design does not anticipate to have any difficulties regarding permitting of the new pond. Furthermore, this design proposes to intercept runoff from the existing swale at a location just downstream of an existing wetland. There are no anticipated wetland impacts to the existing swale downstream of the location where it is being rerouted. However, there will likely be minor temporary surface water impacts at the interface with the existing swale.

Soil Contamination: There was no identified soil contamination within the Pond 2 parcel. However, as discussed in **Section 4**, the environmental site assessment performed by Ardaman & Associates, Inc. was not a comprehensive study and further evaluation of the soils within the proposed improvement area should be conducted prior to final design.

Construction Cost: The estimated construction cost for this pond is $300,000. The construction cost includes earthwork excavation for the new pond and construction of new swales, culverts, and outfall structure to Middle Lake Triplet. The estimate also includes costs for additional design and permitting which was assumed to be 40% of the construction costs. This includes final design, permitting, and environmental study to identify potential contamination within the work area. A detailed breakdown of the cost estimate is included in **Table 6.13**.

Maintenance Cost: Maintenance for the pond will include mowing and edging of the pond banks along with periodic inspections of the outfall structure, pipes and pond banks to check for erosion and other issues. Monthly aquatic herbicides would also be required to treat the ponds and manage the growth of aquatic plants. Annual maintenance costs are expected to be $4,700.

Life Cycle Cost-Benefit: The 20-year net present value life cycle cost for this pond is roughly $394,000 which assumes an inflation rate equal to the interest rate. Over the twenty years, a total of 364 pounds of nitrogen and 56 pounds of phosphorous will be removed. This yields a twenty-year price per pound removed of $1,082 for nitrogen and $7,036 for phosphorous.

SINGHOFEN & ASSOCIATES, INC. STORMWATER MANAGEMENT AND CIVIL ENGINEERING	**CITY OF CASSELBERRY** **GOLF COURSE STUDY**	**SCENARIO 3** **POND 2**	**FIGURE** **6.27**

Table 6.13 Preliminary Opinion of Probable Cost
Scenario 3

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CONTRACT PRICE
POND 2					
101-1	MOBILIZATION (5% OF BASE BID)	1	LS	$ 10,100.00	$ 10,100.00
102-1	MAINTENANCE OF TRAFFIC	1	LS	$ 3,000.00	$ 3,000.00
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	1	LS	$ 6,000.00	$ 6,000.00
110-1-1	CLEARING & GRUBBING	1.2	AC	$ 11,011.53	$ 13,213.84
120-1	REGULAR EXCAVATION (POND 2)	7,010	CY	$ 4.86	$ 34,068.28
120-5	CHANNEL EXCAVATION	1,759	CY	$ 12.15	$ 21,375.00
160-4	TYPE B STABILIZATION	900	SY	$ 3.32	$ 2,988.00
285-708	OPTIONAL BASE,BASE GROUP 08	900	SY	$ 12.00	$ 10,800.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	74	TN	$ 90.32	$ 6,683.68
425-1-541	INLETS, DT BOT, TYPE D, <10'	1	EA	$ 3,330.35	$ 3,330.35
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	150	LF	$ 84.83	$ 12,724.50
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	325	LF	$ 114.22	$ 37,121.50
430-982-133	MITERED END SECT, OPTIONAL RD, 30" CD	2	EA	$ 2,102.02	$ 4,204.04
430-982-138	MITERED END SECT, OPTIONAL RD, 36" CD	1	EA	$ 2,980.70	$ 2,980.70
520-3	VALLEY GUTTER- CONCRETE	50	LF	$ 19.04	$ 952.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	111	SY	$ 36.25	$ 4,027.78
570-1-1	PERFORMANCE TURF	2903	SY	$ 0.86	$ 2,496.39
570-1-2	PERFORMANCE TURF, SOD	1,118	SY	$ 2.26	$ 2,526.77
				Construction Subtotal =	**$ 178,592.82**
				20% contingency (rounded to nearest $100) =	**$ 35,700.00**
				TOTAL STORMWATER CONSTRUCTION COSTS (rounded to nearest $100) =	**$ 214,300.00**
Additional Design Services					
	Design, Permitting, and Construction Administration	1	LS	$ 85,720.00	$ 85,720.00
				Additional Design Services Subtotal =	**$ 85,720.00**
				TOTAL STORMWATER PROJECT COST (rounded to the nearest $100) =	**$ 300,000.00**

General Notes:

1. Unit costs are from the FDOT - Item Average Unit Cost reports Statewide (6/1/2015 to 5/31/2016)
2. Additional design, permitting, and construction administration assumed to be 40% of construction cost.

6.6 Additional Design Improvements

Several other additional designs were examined that do not necessarily improve water quality or provide additional storage. These designs include providing City staff access to South Lake Triplet, modifications to the golf cart path wood bridge between Middle Lake Triplet and South lake Triplet, and wetland vegetative improvements along the shorelines between Middle Lake Triplet and South Lake Triplet.

6.6.1 Access Improvements: The primary benefit of creating a new access location to South Lake Triplet would be to provide the City a closer and more easily accessible place to launch boats to perform maintenance within this lake. A boat ramp would also be constructed at the new access location. Two locations have been identified as possible access locations. **Figure 6.28** shows conceptual layouts for both of the design options.

The first access path is located just south of the current driving range and generally aligns with the existing boating access location currently being used by the City. A concrete or pavement driveway will be constructed from South Lake Triplet Drive to the lake. A stub-out or turnaround will be constructed to allow vehicles to turn around to back into the lake. Landscaping will also be provided to include a buffer for the adjacent residential property. The construction cost estimate for this access path is $123,100. This cost estimate does not include design and permitting.

A second option for an access point is located on the eastern side of the lake off Lost Lake Lane at the intersection of Niblick Drive. A portion of the existing golf cart path at this location would be replaced with a thicker and wider stabilized path that would then connect to the lake. A stabilized turnaround would be constructed to allow vehicles to back the boats into the lake. The estimated construction cost for this design is $126,600. This cost estimate does not include design and permitting.

6.6.2 Golf Cart Bridge Improvement: The existing bridge between Middle Lake Triplet and South Lake Triplet is a relatively low wooden bridge that provides golf cart access from Hole #8 to Hole #9. It is difficult at best, for boats to cross under this bridge when trying to go from one lake to the next. In conjunction with Scenario 1 or Scenario 2, where the golf course remains as either the full 18-holes or becomes a 9-hole course, this bridge could be extended and raised to allow a more navigable path from one lake to the other. Under Scenario 3, where the entire golf course is eliminated, this bridge could be removed entirely. Of course the bridge could also remain and be raised under Scenario 3 should the City desire to keep the bridge and incorporate it into a recreational trail system. The estimated construction costs to raise the bridge is $135,400, which does not include design and permitting costs. The existing reclaim line hanging on this be bridge is assumed to be relocated to be constructed under the canal bed.

6.6.3 Vegetative Enhancements: Wetland vegetation and habitat improvements include removal of invasive plants and development of a planting plan to restore native habitat. There were several species of exotic and invasive plants identified between Middle Lake Triplet and South Lake Triplet along either shoreline. Efforts to remove invasive species are labor intensive as the exotic plants are interspersed with the native species. Removal of the exotic species must be conducted by cutting and care taken to not damage native plant species. Herbicides may also be used and careful consideration taken to not impact aquatic and native species.

In addition to the control and removal of exotic plants, planting native species will contribute toward restoration of the lake fronts. Sun exposure for the forested upland for both lakes are different which will allow different species to flourish at either lake. Sun exposure on Middle Lake Triplet from the south is toward the forested upland while that exposure is toward the aquatic edge of South Lake Triplet. Sun exposure and how much the canopy opens up after the removal of invasive trees and plants should be taken into account for each lake when selecting placement of native species.

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6.7 Summary and Conclusions

Table 6.14 provides a summary of the overall pollutant load reduction for each of the scenarios evaluated. While Design Scenario 1B clearly provides the greatest pollutant load reduction, SAI recommends considering the individual ponds or treatment systems in order to evaluate the overall benefit to cost. Those options can then be evaluated for the applicable golf course scenarios that that City may pursue. When considering the mass of nutrients removed over a 20-year period, the life cycle costs ranged from $63 to $1,139 per pound of nitrogen removed and $325 to $12,846 per pound of phosphorus removed. The top three most cost effective options are described below.

Alum Treatment: The alum treatment system, with a cost per pound of phosphorus removed of $325, was clearly the most cost effective. The system will treat nearly all of the runoff draining into Queens Mirror and is estimated to remove approximately 2,460 pounds of nitrogen and 480 pounds of phosphorus each year. The net present value of the life cycle cost is estimated at $3.1M. This type of system can be implemented under any of the three golf course operation scenarios.

Pond 8 (Scenario 2 or 3): The next most cost effective design is the Pond 8 (Scenario 2 or 3) wet detention system at $1,083 per pound of phosphorus removed. This 7-ac pond is estimated to treat 1,311 acres and remove approximately 970 pounds of nitrogen and 177 pounds of phosphorus each year. Its life cycle cost is estimated at $3.8M. This option involves eliminating a significant portion of the golf course and is appropriate under golf course Scenarios 2 and 3.

Pond 1 (Scenario 3): The third most cost effective option is Pond 1 under Scenario 3 with a removal cost of $3,172 per pound of phosphorus removed. This 10-ac pond is estimated to treat 505 acres and remove approximately 478 pounds of nitrogen and 69 pounds of phosphorus each year. Its life cycle cost is estimated at $4.4M. This pond could only be constructed under Scenario 3 which assumes the complete elimination of a golf course.

Table 6.14 – Pollutant Loading and Removal Summary

			Existing Condition	Design Scenario 1a		Design Scenario 1b		Design Scenario 2		Design Secenario 3	
				▪Maintain 18-hole golf course. ▪7.6 acres wet detention ponds. ▪Treat runoff to QM and MLT		▪Maintain 18-hole golf course. ▪Alum system at QM inflow. ▪Pond 5 (0.9-ac) & Pond 2 (3.9-ac)		▪9-hole golf course at west side. ▪15.8 acres wet detention ponds. ▪Treat runoff to QM and MLT		▪Golf course eliminated. ▪22.4 acres wet detention ponds. ▪Treat runoff to QM and MLT	
Lake	Parameter	Units		Design Conditon	Difference	Design Conditon	Difference	Design Conditon	Difference	Design Conditon	Difference
Queens Mirror Lake	Lake System Area (incl. Grassy syst.)	acres	1574	1574	0	1574	0	1574	0	1574	0
	Net Runoff to Lake	ac-ft/yr	1360	1341	-19	1360	0	1351	-9	971	-389
	Average Total N Concentration	mg/L	1.350	1.303	-	0.646	-	1.059	-	1.124	-
	Average Total P Concentration	mg/L	0.145	0.139	-	0.008	-	0.094	-	0.098	-
	Net Total N Loading to Lake	lbs/yr	4994	4753	-241	2389	-2605	3890	-1104	2968	-2026
	Net Total P Loading to Lake	lbs/yr	537	507	-30	29	-508	344	-193	259	-278
South Lake Triplet	Lake System Area	acres	115	115	0	115	0	115	0	115	0
	Net Runoff to Lake	ac-ft/yr	45	44	-1	44	-1	44	-1	44	-1
	Average Total N Concentration	mg/L	1.261	1.148	-	1.177	-	1.177	-	1.179	-
	Average Total P Concentration	mg/L	0.098	0.083	-	0.087	-	0.087	-	0.088	-
	Net Total N Loading to Lake	lbs/yr	154	137	-17	141	-13	141	-13	141	-13
	Net Total P Loading to Lake	lbs/yr	12	10	-2	10	-2	10	-2	10	-2
Middle Lake Triplet	Lake System Area	acres	659	659	0	659	0	659	0	659	0
	Net Runoff to Lake	ac-ft/yr	271	261	-11	261	-11	261	-11	647	375
	Average Total N Concentration	mg/L	1.190	1.030	-	1.030	-	1.030	-	0.863	-
	Average Total P Concentration	mg/L	0.108	0.081	-	0.081	-	0.081	-	0.076	-
	Net Total N Loading to Lake	lbs/yr	878	730	-148	730	-148	730	-148	1518	640
	Net Total P Loading to Lake	lbs/yr	79	57	-22	57	-22	57	-22	134	55
North Lake Triplet	Lake System Area	acres	110	110	0	110	0	110	0	110	0
	Net Runoff to Lake	ac-ft/yr	51	51	0	51	0	51	0	51	0
	Average Total N Concentration	mg/L	1.076	1.076	-	1.076	-	1.076	-	1.076	-
	Average Total P Concentration	mg/L	0.099	0.099	-	0.099	-	0.099	-	0.099	-
	Net Total N Loading to Lake	lbs/yr	149	149	0	149	0	149	0	149	0
	Net Total P Loading to Lake	lbs/yr	14	14	0	14	0	14	0	14	0
Overall Totals	Total Area	acres	2457	2457	0	2457.3	0	2457.3	0	2457.3	0
	Net Runoff to Lakes	ac-ft/yr	1728	1697	-31	1715.7	-12	1707.2	-20	1713.0	-14
	Average Total N Concentration	mg/L	-	-	-	-	-	-	-	-	-
	Average Total P Concentration	mg/L	-	-	-	-	-	-	-	-	-
	Net Total N Loading to Lakes	lbs/yr	6176	5770	-406	3409.2	-2767	4910.5	-1266	4776.6	-1399
	Net Total P Loading to Lakes	lbs/yr	642	588	-54	110.5	-532	425.5	-217	417.2	-225

Section 7
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Appendix A
Environmental Report

Preliminary Assessment of Middle Lake Triplet and South Lake Triplet Abutting Casselberry Golf Course

Yvonne I. Froscher
Environmental Consultant

PRELIMINARY ASSESSMENT OF MIDDLE LAKE TRIPLET AND SOUTH LAKE TRIPLET ABUTTING CASSELBERRY GOLF COURSE

CITY OF CASSELBERRY, FLORIDA

January 10, 2016

SITE DESCRIPTION

A site inspection of the designated areas adjacent to Middle Lake Triplet and South Lake Triplet was conducted by Yvonne I. Froscher on November 16, 2015. The approximate location of the observed areas included lakeshores west of the bridged connection between the lakes and adjacent to the driving range and twelfth fairway of the City of Casselberry Golf Course. See Figure 1: Vicinity Map. At the time of the site inspection, water levels were below lichen line and water mark indicators of higher water elevations during rainy periods of the year.

An aerial photograph (Figure 2: 1964 Site Vicinity) date October 23, 1964, depicts clearing for construction of the driving range leaving only a very narrow forested band at the lake edges. Clearing extended well into the forested triangular tip of land extending into Middle Lake Triplet. This historic clearing event as well as ongoing golf course maintenance activities resulting in a defined edge between the driving range and regenerated forest have influenced vegetative cover between the current edge of the cart path/driving range and the forest. The disturbed substrate not included in the final maintained cart path/driving range provided an opportunity for recruitment of opportunistic noxious, non-native species to recruit.

Along the southern shoreline of Middle Lake Triplet, below the wetland boundary, red maple (*Acer rubrum*) was the prevalent native canopy species which was interspersed in areas with sweetbay (*Magnolia virginiana*) recruits. Red maples observed had diameters-breast-height up to six inches. Ground cover and shrub layer were sparse, but included Carolina willow (*Salix caroliniana*), dahoon (*Ilex cassine var. cassine*), common buttonbush (*Cephalanthus occidentalis*), arrow arum (*Peltandra* sp.), hottentot fern (*Thelypteris interrupta*), Virginia chain fern (*Woodwardia virginica*), swamp fern (*Blechnum serrulatum*), an unidentified cyperaceae, manyflower marshpennywort (*Hydrocotyle umbellata*), and dayflower (*Commelina diffusa*). However, Chinese tallowtree (*Triadica sebifera*—formerly *Sapium sebiferum*) is common in patches; and within the forested triangular tip of land extending into Middle Lake Triplet, the canopy species is strongly interspersed with the red maple. Within the upland strip between the wetland lake edge and the maintained golf course, camphor tree (*Cinnamomum camphora*) is very common and castorbean (*Ricinus communis*), chinaberrytree (*Melia azedarach*), Caesarweed (*Urena lobata*), Brazilian pepper (*Schinus terebinthifolius*), Peruvian primrosewillow (*Ludwigia peruviana*), and a bit of skunkvine (*Paederia foetida*) were observed. Each of these species is included on the "Florida Exotic Pest Plant Council's 2015 List of Invasive Plant Species" which is included as Appendix A: Exotic Pest Plant Council's 2015 List of Invasive Plant List with all of the exotic pest plants observed highlighted in yellow. A few native plants observed in the upland strip included water oak (*Quercus nigra*), Carolina laurelcherry (*Prunus caroliniana*), peppervine (*Ampelopsis arborea*), sawtooth blackberry (*Rubus argutus*), and muscadine (*Vitis rotundifolia* var. *munsonia*).

Along the wetland northern shoreline of Southern Lake Triplet, is a shrub cover of wax myrtle (*Myrica cerifera*) and widely scattered elderberry (*Sambucus nigra* subsp. *canadensis*). Patches of Carolina willow (*Salix caroliniana*) and Peruvian primrosewillow (*Ludwigia peruviana*) were observed at the water's edge. Along the more landward edge adjacent to the driving range is dense Brazilian pepper mixed with wax myrtle. Air potato (*Dioscorea* bulbifera), another exotic was also observed. Small songbirds were observed utilizing the shrubby habitat. Moist organic soils supported mixed arrow arum and elephantear (*Xanthosoma sagittifolia*). A few widely scattered red maple recruits were observed. Within the littoral zone were dense patches of broadleaf cattail (*Typha latifolia*) which can undesirable in dense monocultures. Adjacent to the southwestern edge of the driving range soils are sandy and support one patch of red mulberry (*Morus rubra*) and another of castorbean. In this vicinity, skunkvine

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was prolific. Also observed were earpod tree (*Enterolobium contortisiliquum*) and flamegold tree (*Koelreuteria elegans* ssp.*formosana*), both on the "Exotic Pest Plant Council's 2015 List of Invasive Plant Species."

RESTORATION OF NATIVE VEGETATION

Benefits

Exotic vegetative species often out-compete and displace native species diminishing Florida's vegetative biodiversity. Reduced biodiversity diminishes habitat quality by reducing food items Florida wildlife depend on and, in some cases, diminishing the cover required for their protection and viability. Vegetative cover along lakes in suburban and urban areas is important to protect water quality and to provide habitats for aquatic dependent species, song birds, and small mammals. A healthy ecosystem with good species diversity will help to deter infestation by exotic and undesirable species.

As a municipally-owned, public land use, the City of Casselberry residents may also derive benefits from a restored natural habitat near the lake. A public nature path could provide opportunities for fitness, leisurely walks, and wildlife appreciation. Additionally, the City would be providing a restoration model for lakefront property owners. A partial palate of potential restoration species that residents might use in lake shore landscapes could be provided by this model.

Control of Exotic Vegetation

The first step to habitat restoration at the Middle Lake Triplet and South Lake Triplet lake shores is control of exotic, nuisance species. The initial effort is labor intensive and selective—selective in the fact that native species are interspersed with some of the exotics. Therefore, removal of exotic plants by cutting must be done with care to not damage limbs and barks of native species. Herbicides must be applied by a licensed professional and utmost care implemented to 1) ensure the safety of the team doing the exotic removal, 2) not impact aquatic and upland species, and 3) avoid overspray onto native species.

Pesticide users are required by law to comply with all the instructions and directions for use in pesticide labeling. The EPA approves use of pesticides on specific sites, i.e., for use on individual crops, terrestrial non-crop sites, or aquatic areas. Only those herbicides registered by the EPA specifically for use in aquatic sites can be applied to plants growing in lakes, rivers, canals, etc.

The U.S. Department of Agriculture and the State of Florida encourage control of exotic species. Programs may provide assistance via grants or by providing herbicides. Work below the ordinary high water of either lake will require a permit from the Florida Fish and Wildlife Conservation Commission.

All cut exotic species should be removed from the site and disposed of in an appropriate landfill. Proper disposal will potentially remove some of the seed source from the restoration site and will ensure that the species will not contaminate another location.

Following are guidelines for control of the exotic species on the potential restoration site. All methods, except for primrose willow, are those recommended by the University of Florida Institute of Food and Agricultural Sciences (IFAS). A licensed professional should confirm that methodologies for herbicide use are appropriate.

Brazilian pepper (*Schinus terebinthifolius*):
Brazilian pepper-trees can be effectively controlled by cutting and treating the stumps with herbicide. The trunk should be cut as close to the ground as possible. Within 5 minutes, a herbicide containing glyphosate or triclopyr should be applied as carefully as possible to the thin layer of living tissue, called the cambium, which is just inside the bark of the stump The best time to cut Brazilian pepper-trees is when they are not fruiting, because seeds contained in the fruits have the capability of producing new Brazilian pepper-trees. If Brazilian pepper-trees that have fruits attached are cut, care should be taken not to spread the fruits to locations where they can cause future problems. ***Caution: Avoid touching the tree's cambium. A rash can result. Some individuals are very sensitive to touching only the leaves. Use proper protective gear when sawing the tree and applying the herbicides.***

Brazilian pepper-trees can also be controlled using basal bark herbicide application. An application of triclopyr ester (Garlon, Remedy – 44% concentration) herbicide is applied to the Brazilian pepper-tree's bark between one half and one foot from the ground. Triclopyr is pre-mixed with a penetrating oil at a concentration of 14% triclopyr. The oil will cause the herbicide to pass through the bark. Therefore, girdling the tree's trunk is not necessary and may, in fact, reduce the effectiveness. Once the basal bark treatment has been completed, it may take several weeks to exhibit symptoms of control. Defoliation and the presence of termites is an indicator that the treatment has been successful.

Basal bark treatments are most effective in the fall when the Brazilian pepper-trees are flowering. This is due to the high level of translocation occurring within the tree. Fruiting occurs during winter, and Brazilian pepper-trees that have been controlled using a basal bark treatment may retain their fruit. This situation will require that the area be checked for seedlings on a regular basis. (University of Florida-IFAS)

Camphor tree (*Cinnamomum camphora*):
Chemical control can be separated into cut-stump, basal bark, and foliar treatments. Foliar treatments will work well on young trees, less than 10 feet tall. A dilution of triclopyr (Garlon 3A at 2 to 3% solution or Garlon 4 at 0.5 to 2% solution) in water can be an effective control when applied as a foliar application. Be sure to include a non-ionic surfactant at 0.25% (10 mLs or 2 teaspoons per gallon of spray solution). A 2 to 3% solution of glyphosate (Roundup, etc.) can also be effective, but resprays may be necessary. These herbicides are systemic (move throughout plant tissue) so care must be exercised to minimize off-target damage.

For larger trees, triclopyr (Garlon 4, 30% in oil) is the product of choice. Basal bark treatments are effective for trees up to 6 inches in diameter with smooth bark. Be sure to spray around the entire tree, up 12 inches from the base. For larger trees with thick bark, a frill treatment is recommended. For this application, cut into the bark and peel it back to form a cup. Herbicide can then be poured into the pocket created by the frill. The number of frills per tree depends on tree diameter and herbicide used. Cut-stump treatments are effective on trees of all sizes. Use a 50% solution of triclopyr (Garlon 4) and be sure to coat the entire cambium layer (outer ring of the trunk). This should be applied within 2 minutes of cutting and remove all sawdust and debris from the trunk before applying. (University of Florida-IFAS)

Chinese tallowtree (*Triadica sebifera*):
Foliar applications are effective on smaller trees but cut-stump or basal bark treatments are commonly utilized. For foliar applications, fall treatments before seed shed is the optimum timing – this coincides with downward translocation of carbohydrates. However, basal bark or cut stump treatments can be performed at any time of the year. Control can be achieved with the use of triclopyr-ester applied in an oil diluent. For basal bark applications, apply an herbicide/oil mixture directly to the bark around the circumference of the tree up to 15 inches above the ground. For trees with stems less than 6 inches in basal diameter, a solution of 5% triclopyr with oil can be used.

For trees over 6 inches in basal diameter a 15-20% triclopyr and oil solution should be used. To control resprouting of freshly cut stumps, a 20% solution of triclopyr is very effective. The root collar area, sides of the stump, and the outer portion of the cut surface should be sprayed until thoroughly wet, but not to the point of runoff. No more than ½ hour should elapse between cutting and applying herbicide. Do not attempt a cut stump or basal bark treatment during seed production (August to early September). This can increase the chance of spreading viable seed. (University of Florida-IFAS)

NOTE: For trees within inundated areas, be certain method implemented is appropriate for the aquatic habitat.

Flamegold tree also known as Golden raintree (*Koelreuteria elegans* ssp.*formosana*):
Mechanical: Larger trees may be cut, should be coupled with chemical treatment to avoid resprouting. Small seedlings may be mowed or pulled by hand.
Biological: There are no known biological control programs for *Koelreuteria elegans*.

Chemical: There are no known chemical control programs for *Koelreuteria elegans*. Cut stump treatments with 100% triclopyr-amine are effective but should be applied to the outer lay of bark within 1 minute of cutting. Foliar applications have not been tested for control of this species. (University of Florida-IFAS)

Chinaberrytree (*Melia azedarach*):
Chemical: Herbicides prove to be the best method of control for Chinaberry. Foliar applications of glyphosate or triclopyr will be fairly effective on trees less than 10 feet tall. A dilution of triclopyr (Garlon 3A at 2 to 3% solution or Garlon 4 at 0.5 to 2% solution) in water can be used. Be sure to include a non-ionic surfactant at 0.25% (10 mLs or 2 teaspoons per gallon of spray solution). A 2 to 3% solution of glyphosate (Roundup, etc.) can also be effective.

A basal bark application of triclopyr (Garlon 4) has also been shown to be an effective treatment. Triclopyr can be applied in a 4 to 8-inch band near the base of the trunk in a 15% solution. Studies have shown a cut stump treatment of 8% triclopyr is almost completely effective in eliminating Chinaberry. Herbicides should be applied before the onset of fruit production to prevent seed production. Repeat applications may also be necessary for complete control. (University of Florida-IFAS)

Skunkvine (*Paederia foetida*):
Chemical control is one of the most effective means of control for skunkvine, but single applications will generally not provide complete control. This is due to resprouting from rootstocks or root crowns. A dilution of triclopyr (Garlon 3A at 1 to 2% solution or Garlon 4 at 0.5 to 2% solution) in water can be an effective control for skunkvine when applied as a foliar application. Be sure to include a non-ionic surfactant at 0.25% (10 mLs or 2 teaspoons per gallon of spray solution). A 2 to 3% solution of glyphosate (Roundup, etc.) may also be effective. These herbicides are systemic (move throughout plant tissue) so **care must be exercised to minimize off-target damage**. If skunkvine is growing up into trees or other desirable species, **vines should be cut or pulled down to minimize damage to the desirable vegetation**. Pulling the vines down without severing them from the root crown will allow the herbicide to move into the root and provide better control. The best time to apply an herbicide is in the spring and summer when skunkvine is actively growing. Be sure to allow adequate time for the plant to regrow from the winter to ensure movement of the herbicide back into the roots. (As plants grow and mature, they begin to move sugars back into the roots). (University of Florida-IFAS)

Note: Skunkvine is a very tenacious species, because it reproduces by prolific seed production and rooted fragments. The vine is very fast growing and creates dense canopies over trees and vegetation leading to damage or death of the species beneath. This particular species should be controlled before its presence becomes more dominant at the lake fronts as it is difficult to control, especially amongst other native plants.

Elephant ear (*Xanthosoma sagittifolia*):
Mechanical: Dig out corms from the soil. **Take care when cutting, as the leaves contain oxalic acid, which may cause irritation to exposed skin.**

Chemical: Chemicals with known control are limited. Repeated applications of glyphosate (2% solution) with a surfactant may be effective, especially if coupled with other management strategies. (University of Florida-IFAS)

NOTE: Elephant ear is strongly interspersed with arrow arum (especially at the South Lake Triplet shoreline); therefore, mechanical removal would be preferable. Arrow arum would then not have competition from the elephant ear and may become more prolific.

Air potato (*Dioscorea* bulbifera):
Removing bulbils and vines from natural areas helps prevent the spread of air potato to new areas, as well as reduces the possibility of reinfestation. In addition to collecting and removing aboveground bulbils, digging up and removing below ground tubers will help. This may be particularly useful to eliminate isolated plants/small populations – especially in areas that cannot be easily accessed or chemically treated. One of the most important control measures for air potato is the removal of bulbils and tubers. (University of Florida-IFAS)

Note: Air potato reproduces primarily by sprouting of bulbils ("potatoes'), so removal of them is critical to control.

Primrose Willow (*Ludwigia peruviana*):
Primrose willow can be effectively controlled with hand removal—preferably when soils are wet and before seeding. Very large plants can be cut and the remaining stem immediately dabbed with Roundup.

Native Plantings

Along with continued control of exotic saplings and plants, planting native species will be a step toward habitat restoration at the lake fronts. The planting regime for Middle Lake Triplet is somewhat different than for South Lake Triplet which explains some of the vegetative cover differences. The sun exposure from the south is toward the forested upland on Middle Lake Triplet, whereas that exposure is toward the aquatic edge on South Lake Triplet. Placement of some species will depend no only on the direction of sun exposure but also on how much the canopy and shrub layer are opened up after removal of exotic trees and shrubs. Some native species that may flourish are outlined in the following Table 1: Potential Native Plantings for Middle Lake Triplet and South Lake Triplet.

Table 1: Potential Native Plantings for Middle Lake Triplet and South Lake Triplet

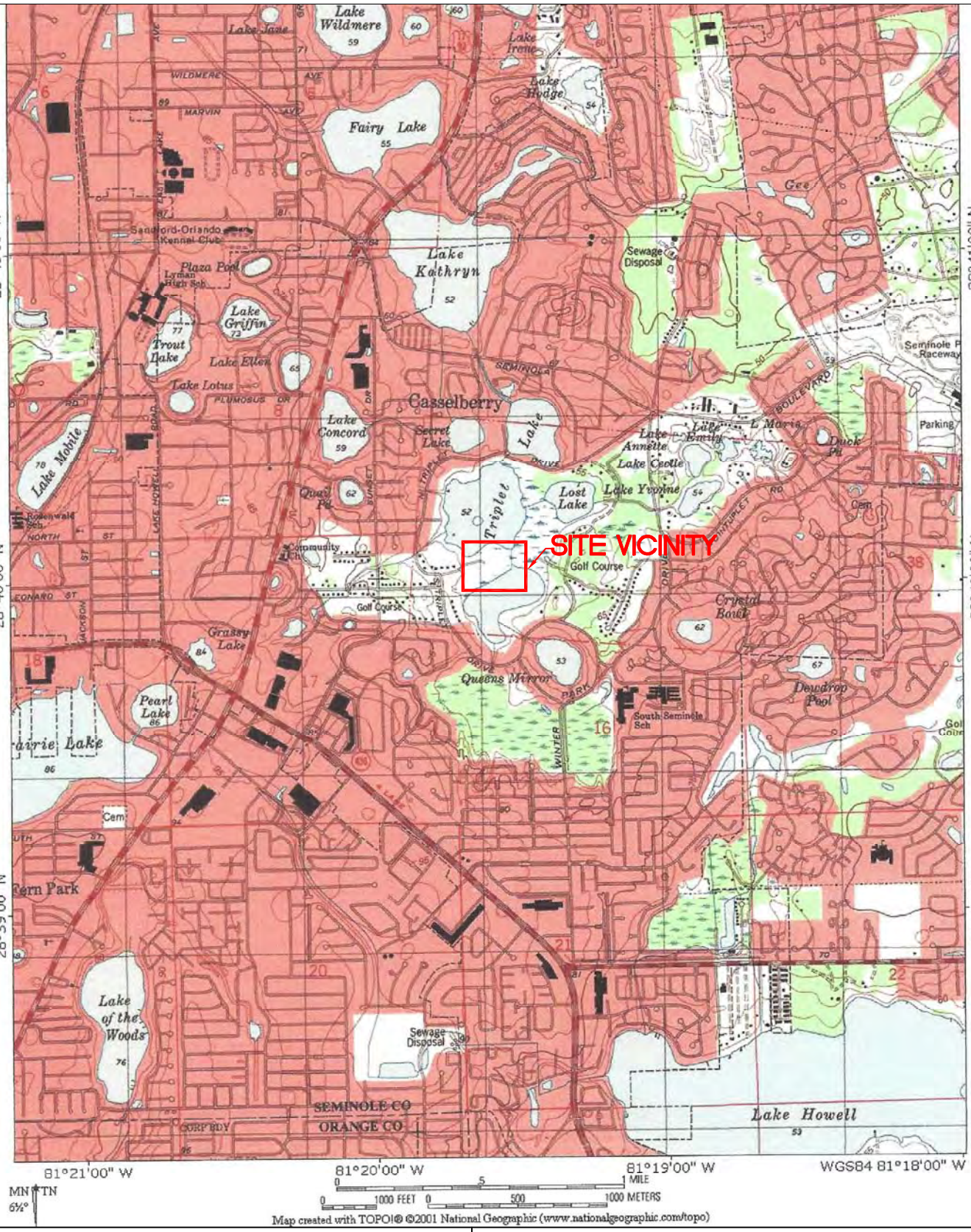
Species	**Features/Landscape Preference**
Canopy Species	
Red maple (*Acer rubrum*)	Red spring flowers and red fall foliage. Species present on the site. If hardened to hydrologic conditions, will flourish in saturated conditions with periodic inundation.
Bald-cypress (*Taxodium distichum*)	Chartreuse spring color; copper fall color. If hardened to hydrologic conditions, will flourish in periodically inundated and inundated areas. Can also be an upland planting in poorly drained soils.
Sweetbay (*Magnolia virginiana*)	Glossy leaves with glaucous undersides, white flowers. Species present on the site. Prefers saturation and periodic inundation.
Slash pine (*Pinus elliottii*)	Seeds are a wildlife food item. Large evergreen. Upland to poorly drained soils. Not tolerant of inundation.
Live oak (*Quercus virginiana*)	Acorns are wildlife food items. Dark green, long-lived evergreen oak. Typically upland.
Shrub Species	
Wax myrtle (*Myrica cerifera*)	Fast growing wildlife cover and food. Olive green evergreen color with blue glaucous fruits. Species present on the site. Prefers poorly drained soils, but not inundation. Would be an appropriate planting with slash pine.
Dahoon (*Ilex cassine var. cassine*)	Wildlife cover; fruits are a wildlife food item. Glossy evergreen with bright red fruits. Species present on the site. Plants are dioecious, so only female plants produce berries with pollination from male plants. Prefers poorly drained soils, but not inundation.
Buttonbush (Cephalanthus occidentalis)	Deciduous; white balls of flowers. Aquatic to saturated soils. Already present on the site.
Coralbean (*Erythrina herbacea*)	Hummingbirds like. Red spring flower spikes. Stems with prickles. Prefers poorly drained soils, but not inundation.
Sparkleberry (*Vaccineum arboreum*)	Berries are a wildlife food item. Fine textured shrub with white delicate flowers and blueberries. Prefers poorly drained soils, but not inundation. Open exposure to partial shade.
Saw palmetto (*Serenoa repens*)	Wild life cover. Pollinator support. Robust; cream flower stalks. Moist (not inundated) to dry habitats. Will tolerate shade.
Needle palm (*Rhapidophyllum hystrix*)	Wildlife cover. Dark green, 4-5' tall. Spines at base. Prefers poorly drained to saturated soils. Will tolerate shade.
Ground Cover and Aquatic Herbaceous Species	
String lily (*Crinum americanum*)	Showy white flowers. Prefers poorly drained soils, but not extended inundation. Will tolerate partial shade.
Prairie iris (*Iris hexagona*)	Blue flowers. Prefers poorly drained soils and will tolerate periodic inundation. Prefers open exposure.
Pickerelweed (*Pontederia cordata*)	Wildlife cover and food source. Blue spiked flowers. Emergent aquatic. Typically in open exposure. May be successful at South Lake Triplet shoreline, if areas of cattail were controlled.

Table 1: Potential Native Plantings for Middle Lake Triplet and South Lake Triplet (cont.)

Bulltongue arrowhead (*Sagittaria lancifolia*)	Wildife cover. White flowers. Emergent aquatic. Typically in open exposure. May be successful at South Lake Triplet shoreline, if areas of cattail were controlled.
Sand cordgrass (*Spartina bakeri*)	Wildlife cover and seed is a wildlife food item. Robust 3-4' tall grass. Plantings provide an "instant" ground cover to diminish exposed soils where opportunistic exotic and weedy species often flourish. Prefers open exposure. This species would be successful within the upland adjacent to the golf course at the Middle Lake Triplet area.
Swamp fern (*Blechnum serrulatum*)	Already present on the site.
Royal fern (*Osmunda regalis*)	Shade tolerant. Prefers moist poorly drained soils and will tolerate periodic inundation. Species is present on the site.
Cinnamon fern (*Osmunda cinnamomea*)	Shade tolerant. Prefers moist soils, but not inundation.

Yvonne J Fosseen

Figures



MIDDLE LAKE TRIPLET AND SOUTH LAKE TRIPLET ASSESSMENT

CITY OF CASSELBERRY, FLORIDA

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Map Source: National Geographic Topo Map 2001

FIGURE 1: VICINITY MAP

MIDDLE LAKE TRIPLET AND
SOUTH LAKE TRIPLET ASSESSMENT
CITY OF CASSELBERRY, FLORIDA
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Map Source: October 10, 1964 APLUS Aerial Photograph

ATTACHMENT 2: 1964 SITE VICINITY

Appendix A: Exotic Pest Plant Council's 2015 List of Invasive Plant List

Florida Exotic Pest Plant Council's 2015 List of Invasive Plant Species

Purpose of the List: *To focus attention on —*

- the adverse effects of exotic pest plants on Florida's biodiversity and native plant communities,
- the habitat losses in natural areas from exotic pest plant infestations,
- the impacts on endangered species via habitat loss and alteration,
- the need for pest plant management,
- the socio-economic impacts of these plants (e.g., increased wildfires or flooding in certain areas),
- changes in the severity of different pest plant infestations over time,
- providing information to help managers set priorities for research and control programs.

CATEGORY I

Invasive exotics that are altering native plant communities by displacing native species, changing community structures or ecological functions, or hybridizing with natives. *This definition does not rely on the economic severity or geographic range of the problem, but on the documented ecological damage caused.*

Scientific Name	Common Name	FLEPPC Category	Gov. List	Regional Distribution
Abrus precatorius	rosary pea	I	N	C, S
Acacia auriculiformis	earleaf acacia	I		C, S
Albizia julibrissin	mimosa, silk tree	I		N, C
Albizia lebbeck	woman's tongue	I		C, S
Ardisia crenata (*A. crenulata* misapplied)	coral ardisia	I	N	N, C, S
Ardisia elliptica (*A. humilis* misapplied)	shoebutton ardisia	I	N	C, S
Asparagus aethiopicus (*A. sprengeri; A. densiflorus* misapplied)	asparagus-fern	I		N, C, S
Bauhinia variegata	orchid tree	I		C, S
Bischofia javanica	bishopwood	I		C, S
Calophyllum antillanum (*C. calaba* misapplied)	Santa Maria, mast wood, Antilles calophyllum	I		S
Casuarina equisetifolia	Australian-pine, beach sheoak	I	P, N	N, C, S
Casuarina glauca	suckering Australian-pine, gray sheoak	I	P, N	C, S
Cinnamomum camphora	camphor tree	I		N, C, S
Colocasia esculenta	wild taro	I		N, C, S
Colubrina asiatica	lather leaf	I	N	S
Cupaniopsis anacardioides	carrotwood	I	N	C, S
Deparia petersenii	Japanese false spleenwort	I		N, C
Dioscorea alata	winged yam	I	N	N, C, S
Dioscorea bulbifera	air-potato	I	N	N, C, S
Dolichandra unguis-cati (=*Macfadyena unguis-cati*)	cat's claw vine	I		N, C, S
Eichhornia crassipes	water-hyacinth	I	P	N, C, S
Eugenia uniflora	Surinam cherry	I		C, S
Ficus microcarpa (*F. nitida* and *F. retusa* var. *nitida* misapplied)[1]	laurel fig	I		C, S
Hydrilla verticillata	hydrilla	I	P, U	N, C, S
Hygrophila polysperma	green hygro	I	P, U	N, C, S
Hymenachne amplexicaulis	West Indian marsh grass	I		N, C, S
Imperata cylindrica (*I. brasiliensis* misapplied)	cogon grass	I	N, U	N, C, S
Ipomoea aquatica	water-spinach	I	P, U	C
Jasminum dichotomum	Gold Coast jasmine	I		C, S
Jasminum fluminense	Brazilian jasmine	I		C, S
Lantana camara (= *L. strigocamara*)	lantana, shrub verbena	I		N, C, S
Ligustrum lucidum	glossy privet	I		N, C
Ligustrum sinense	Chinese privet, hedge privet	I	N[2]	N, C, S
Lonicera japonica	Japanese honeysuckle	I		N, C, S
Ludwigia hexapetala	Uruguay waterprimrose	I		N, C
Ludwigia peruviana	Peruvian primrosewillow	I		N, C, S
Lumnitzera racemosa	kripa; white-flowered mangrove; black mangrove	I		S
Luziola subintegra	Tropical American water grass	I		S
Lygodium japonicum	Japanese climbing fern	I	N	N, C, S

[1]Does not include *Ficus microcarpa* subsp. *fuyuensis*, which is sold as "Green Island Ficus"
[2]Chinese privet is a FLDACS Noxious Weed except for the cultivar 'Variegatum'

FLEPPC List Definitions:

Exotic – a species introduced to Florida, purposefully or accidentally, from a natural range outside of Florida.

Native – a species whose natural range includes Florida.

Naturalized exotic – an exotic that sustains itself outside cultivation (it is still exotic; it has not "become" native).

Invasive exotic – an exotic that not only has naturalized, but is expanding on its own in Florida native plant communities.

Abbreviations:

Government List (Gov. List):
P = Prohibited aquatic plant by the Florida Department of Agriculture and Consumer Services

N = Noxious weed listed by Florida Department of Agriculture & Consumer Services

U = Noxious weed listed by U.S. Department of Agriculture.

Regional Distribution:
N = north, C = central, S = south, referring to each species' current distribution in general regions of Florida (not its potential range in the state). Please refer to the map below.

Changes to the 2015 List:

New Category I Listings:

Sporobolus jacquemontii
(West Indian dropseed)

This weedy grass, a native of the West Indies and tropical America, was introduced into Florida in the early 1900s. In the 1980s-1990s, it was becoming noticeable, especially in pastures where it crowds out forage grasses. It is not palatable for cattle and is very difficult to control. In recent years, this weed has been advancing into natural areas such as palmetto prairies and open flatwoods. West Indian dropseed is a close relative of, and very similar in appearance to, smut grass, *Sporobolus indicus*, leading to confusion with identification. The seedheads of both grasses can be affected by a smut fungus that leaves the seeds black and unfertile. Both grasses have spike-like seedheads. West Indian dropseed is taller, usually about 3-4 feet tall, with spreading seedhead branches. Smut grass is usually 1-2 feet tall with a tight cylindrical spike. Both species are very weedy, but West Indian dropseed is the one that has started invading native habitats.

David Hall

Vitex rotundifolia
(Beach vitex)

Beach vitex is a deciduous shrub that can grow to 1.5 m (5'). The nodal rooting system can extend 10m (34') with stems that can extend over 6m (20') from the main taproot. Young stems are green with fleshy tips that become larger in diameter, brown, and woody with age. Vitex has simple aromatic leaves that are sometimes palmately trifoliate. Leaves are 2-6.5 cm long and 1-4.5 cm wide. The flower is purple in color and appears in late spring to early summer. Vitex can be found on dunes, vacant lots, and along public right-of-ways.

Rick O'Connor, Florida Sea Grant/ University of Florida

New Category II Listings:

Crassocephalum crepidioides
(redflower ragleaf)

Crassocephalum crepidioides is a member of the Aster family native to tropical Africa. This erect herb has a soft stem with lobed leaves and red flowers, with high seed production of more than 4000 per plant. Seeds are dispersed by the wind. First found

Scientific Name	Common Name	FLEPPC Category	Gov. List	Regional Distribution
Lygodium microphyllum	Old World climbing fern	I	N, U	C, S
Macfadyena unguis-cati (see *Dolichandra unguis-cati*)				
Manilkara zapota	sapodilla	I		S
Melaleuca quinquenervia	melaleuca, paper bark	I	P, N, U	C, S
Melinis repens (= *Rhynchelytrum repens*)	Natal grass	I		N, C, S
Mimosa pigra	catclaw mimosa	I	P, N, U	C, S
Nandina domestica	nandina, heavenly bamboo	I		N, C
Nephrolepis brownii (= *N. multiflora*)	Asian sword fern	I		C, S
Nephrolepis cordifolia	sword fern	I		N, C, S
Neyraudia reynaudiana	Burma reed, cane grass	I	N	S
Nymphoides cristata	crested floating heart	I	N	C, S
Paederia cruddasiana	sewer vine, onion vine	I	N	S
Paederia foetida	skunk vine	I	N	N, C, S
Panicum repens	torpedo grass	I		N, C, S
Pennisetum purpureum	Napier grass, elephant grass	I		N, C, S
Phymatosorus scolopendria	serpent fern, wart fern	I		S
Pistia stratiotes	water-lettuce	I	P	N, C, S
Psidium cattleianum (= *P. littorale*)	strawberry guava	I		C, S
Psidium guajava	guava	I		C, S
Pueraria montana var. *lobata* (= *P. lobata*)	kudzu	I	N	N, C, S
Rhodomyrtus tomentosa	downy rose-myrtle	I	N	C, S
Rhynchelytrum repens (See *Melinis repens*)				
Ruellia simplex[1]	Mexican petunia	I		N, C, S
Salvinia minima	water spangles	I		N, C, S
Sapium sebiferum (= *Triadica sebifera*)	popcorn tree, Chinese tallow tree	I	N	N, C, S
Scaevola taccada (= *Scaevola sericea*, *S. frutescens*)	scaevola, half-flower, beach naupaka	I	N	C, S
Schefflera actinophylla (= *Brassaia actinophylla*)	schefflera, Queensland umbrella tree	I		C, S
Schinus terebinthifolius	Brazilian-pepper	I	P, N	N, C, S
Scleria lacustris	Wright's nutrush	I		C, S
Senna pendula var. *glabrata* (= *Cassia coluteoides*)	climbing cassia, Christmas cassia, Christmas senna	I		C, S
Solanum tampicense (= *S. houstonii*)	wetland nightshade, aquatic soda apple	I	N, U	C, S
Solanum viarum	tropical soda apple	I	N, U	N, C, S
*Sporobolus jacquemontii** (= *S. indicus var. pyramidalis*)	West Indian dropseed	I		C, S
Syngonium podophyllum	arrowhead vine	I		N, C, S
Syzygium cumini	jambolan-plum, Java-plum	I		C, S
Tectaria incisa	incised halberd fern	I		S
Thespesia populnea	seaside mahoe	I		C, S
Tradescantia fluminensis	small-leaf spiderwort	I		N, C
Urena lobata	Caesar's weed	I		N, C, S
Urochloa mutica (= *Brachiaria mutica*)	Para grass	I		C, S
*Vitex rotundifolia**	beach vitex	I		N

CATEGORY II

Invasive exotics that have increased in abundance or frequency but have not yet altered Florida plant communities to the extent shown by Category I species. *These species may become ranked Category I if ecological damage is demonstrated.*

Scientific Name	Common Name	FLEPPC Category	Gov. List	Regional Distribution
Adenanthera pavonina	red sandalwood	II		S
Agave sisalana	sisal hemp	II		C, S
Aleurites fordii (= *Vernicia fordii*)	tung oil tree	II		N, C
Alstonia macrophylla	devil tree	II		S
Alternanthera philoxeroides	alligator weed	II	P	N, C, S
Antigonon leptopus	coral vine	II		N, C, S
Ardisia japonica	Japanese ardisia	II		N
Aristolochia littoralis	calico flower	II		N, C, S

[1]Many names are applied to this species in Florida because of a complicated taxonomic and nomenclatural history. Plants cultivated in Florida, all representing the same invasive species, have in the past been referred to as *Ruellia brittoniana, R. tweediana, R. caerulea,* and *R. simplex*.
*Added to the FLEPPC List of Invasive Plant Species in 2015

Use of the FLEPPC List

The FLEPPC List of Invasive Plant Species is not a regulatory list. Only those plants listed as Federal Noxious Weeds, Florida Noxious Weeds, Florida Prohibited Aquatic Plants, or in local ordinances are regulated by law. FLEPPC encourages use of the Invasive Species List for prioritizing and implementing management efforts in natural areas, for educating lay audiences about environmental issues, and for supporting voluntary invasive plant removal programs. For more information on using the FLEPPC List of Invasive Plant Species, see *Proper Uses of FLEPPC Invasive Plant Lists* at www.fleppc.org/list/list.htm

NOTE: Not all exotic plants brought into Florida become pest plants in natural areas. The FLEPPC List of Invasive Plant Species represents only about 11% of more than 1,400 exotic species that have been introduced into Florida and have subsequently established outside of cultivation. Most escaped exotics usually present only minor problems in highly disturbed areas (such as road-sides). And there are other exotics cultivated in Florida that are "well-behaved" — that is, they don't escape cultivation at all.

www.fleppc.org

Scientific Name	Common Name	FLEPPC Category	Gov. List	Regional Distribution
Richardia grandiflora	large flower Mexican clover	II		N, C, S
Ricinus communis	castor bean	II		N, C, S
Rotala rotundifolia	roundleaf toothcup, dwarf Rotala, redweed	II		S
Ruellia blechum (= Blechum brownei)	green shrimp plant, Browne's blechum	II		N, C, S
Sansevieria hyacinthoides	bowstring hemp	II		C, S
Sesbania punicea	purple sesban, rattlebox	II		N, C, S
Solanum diphyllum	two-leaf nightshade	II		N, C, S
Solanum torvum	susumber, turkey berry	II	N, U	N, C, S
*Spermacoce verticillata**	shrubby false buttonweed	II		C, S
Sphagneticola trilobata (= Wedelia trilobata)	wedelia	II		N, C, S
Stachytarpheta cayennensis (= S. urticifolia)	nettle-leaf porterweed	II		S
Syagrus romanzoffiana (= Arecastrum romanzoffianum)	queen palm	II		C, S
Syzygium jambos	Malabar plum, rose-apple	II		N, C, S
Talipariti tiliaceum (= Hibiscus tiliaceus)	mahoe, sea hibiscus	II		C, S
Terminalia catappa	tropical-almond	II		C, S
Terminalia muelleri	Australian-almond	II		C, S
Tradescantia spathacea (= Rhoeo spathacea, Rhoeo discolor)	oyster plant	II		S
Tribulus cistoides	puncture vine, burr-nut	II		N, C, S
Vitex trifolia	simple-leaf chaste tree	II		C, S
Washingtonia robusta	Washington fan palm	II		C, S
Wedelia (see *Sphagneticola* above)				
Wisteria sinensis	Chinese wisteria	II		N, C
Xanthosoma sagittifolium	malanga, elephant ear	II		N, C, S

Citation example:
FLEPPC. 2015. List of Invasive Plant Species. Florida Exotic Pest Plant Council. http://www.fleppc.org/list/list.htm

The 2015 list was prepared by the FLEPPC Plant List Committee:

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The Early Detection and Distribution Mapping System (EDDMapS) holds records of reported sighting of invasive species in Florida. Most records are from local, state, and federal parks and preserves; a few records document infestations in regularly disturbed public lands such as highways or utility rights-of-way. Natural area managers, veteran observers of Florida's natural landscapes, and others submit these records, with many supported further by voucher specimens housed in local or regional herbaria for future reference and verification. New and updated observations can be submitted online at EDDMapS [www.eddmaps.org/florida/]. All reports are verified by an expert. This database, along with other plant data resources such as the University of South Florida's Atlas of Florida Vascular Plants [www.plantatlas.usf.edu], the Florida Natural Areas Inventory database [www.fnai.org], and The Institute for Regional Conservation Floristic Inventory of South Florida database [www.regionalconservation.org], provides important basic supporting information for the FLEPPC List of Invasive Plant Species. Greater success and accuracy in searching for plant information is likely if you search by scientific name rather than common name. Common names often vary in cultivation and across regions.

*Added to the FLEPPC List of Invasive Plant Species in 2015

Scientific Name	Common Name	FLEPPC Category	Gov. List	Regional Distribution
Asystasia gangetica	Ganges primrose	II		C, S
Begonia cucullata	wax begonia	II		N, C, S
Blechum pyramidatum (see *Ruellia blechum*)				
Broussonetia papyrifera	paper mulberry	II		N, C, S
Bruguiera gymnorrhiza	large-leaved mangrove	II		S
Callisia fragrans	inch plant, spironema	II		C, S
Casuarina cunninghamiana	river sheoak, Australian-pine	II	P	C, S
Cecropia palmata	trumpet tree	II		S
Cestrum diurnum	day jessamine	II		C, S
Chamaedorea seifrizii	bamboo palm	II		S
Clematis terniflora	Japanese clematis	II		N, C
Cocos nucifera	coconut palm	II		S
*Crassocephalum crepidioides**	redflower ragleaf, Okinawa spinach	II		C, S
Cryptostegia madagascariensis	rubber vine	II		C, S
Cyperus involucratus (*C. alternifolius* misapplied)	umbrella plant	II		C, S
Cyperus prolifer	dwarf papyrus	II		C, S
Dactyloctenium aegyptium	Durban crowfoot grass	II		N, C, S
Dalbergia sissoo	Indian rosewood, sissoo	II		C, S
Elaeagnus pungens	silverthorn, thorny olive	II		N, C
Elaeagnus umbellata	silverberry, autumn olive	II		N
Epipremnum pinnatum cv. Aureum	pothos	II		C, S
Eulophia graminea	Chinese crown orchid	II		S
Ficus altissima	false banyan, council tree	II		S
Flacourtia indica	governor's plum	II		S
Hemarthria altissima	limpo grass	II		C, S
*Heteropterys brachiata**	red wing	II		S
Hibiscus tiliaceus (See *Taliparíti tiliaceum*)				
Hyparrhenia rufa	jaragua	II		N, C, S
Ipomoea carnea ssp. *fistulosa* (= *I. fistulosa*)	shrub morning-glory	II	P	C, S
Kalanchoe pinnata (= *Bryophyllum pinnatum*)	life plant	II		C, S
Koelreuteria elegans ssp. *formosana* (= *K. formosana*; *K. paniculata* misapplied)	flamegold tree	II		C, S
Landoltia punctata (= *Spirodela punctata*)	spotted duckweed	II		N, C, S
Leucaena leucocephala	lead tree	II	N	N, C, S
Limnophila sessiliflora	Asian marshweed	II	P, U	N, C, S
Livistona chinensis	Chinese fan palm	II		C, S
Macroptilium lathyroides	phasey bean	II		N, C, S
Melaleuca viminalis (= *Callistemon viminalis*)	bottlebrush, weeping bottlebrush	II		C, S
Melia azedarach	Chinaberry	II		N, C, S
Melinis minutiflora	molasses grass	II		C,S
Merremia tuberosa	wood-rose	II		C, S
Mikania micrantha	mile-a-minute vine	II	N, U	S
Momordica charantia	balsam apple, balsam pear	II		N, C, S
Murraya paniculata	orange-jessamine	II		S
Myriophyllum spicatum	Eurasian water-milfoil	II	P	N, C, S
Panicum maximum (= *Urochloa maxima*, *Megathyrsus maximus*)	Guinea grass	II		N, C, S
Passiflora biflora	two-flowered passion vine	II		S
Pennisetum setaceum	green fountain grass	II		S
Phoenix reclinata	Senegal date palm	II		C, S
Phyllostachys aurea	golden bamboo	II		N, C
Pittosporum pentandrum	Philippine pittosporum, Taiwanese cheesewood	II		S
*Praxelis clematidea**	praxelis	II		C
Pteris vittata	Chinese brake fern	II		N, C, S
Ptychosperma elegans	solitaire palm	II		S
Rhoeo spathacea (see *Tradescantia spathacea*)				

*Added to the FLEPPC List of Invasive Plant Species in 2015

in the US in 1997 in Miami-Dade County, redflower ragleaf was documented in the panhandle in Escambia County in 2012.

Patricia L. Howell

Heteropterys brachiata
(red wing)

Heteropterys brachiata or "redwing" is a liana (woody vine) in the Malpighiaceae family. It is native to Mexico, Central America and South America. Redwing seedlings dominate the understory of hardwood hammocks, and older plants twine up into the canopy where their flowers and fruits are present, but out of reach, in winter months. The fruits of redwing are deep red, wind-dispersed samaras; hence the name "redwing."

Jennifer Possley, Fairchild Tropical Botanic Garden

Praxelis clematidea
(Praxelis)

Praxelis clematidea is an Aster with lavender colored flowers from South America. Its short life cycle and propensity to be moved by vehicles contribute to its recent invasion in Central Florida. Look for young, light green plants with irregularly toothed leaves that soon flower, and then develop tough stems and bases. Flowers are a series of florets produced in heads, each producing a single, bristle-topped seed that is seated on a conical receptacle. This key character is easy to see because the phyllaries fall to reveal the receptacle when the head is in fruit.

Colette Jacono

Spermacoce verticillata
(scrubby false buttonweed)

A common weed of disturbed sites for over 80 years, *Spermacoce verticillata* is advancing into natural areas, especially in southern Florida. A member of the coffee family, Rubiaceae, plants are best known for their nearly woody, multiple branched structure, opposite, stalkless leaves often clustered in a whorl; and axillary, cylindrical heads of densely packed flowers. Distinguish this species from our natives by its tubular white flowers that are no longer than 1mm and fruits that are less than 1.5mm long.

Colette Jacono

Appendix B
Existing Condition
Pollutant Loading Calculations

B.1 Lake Systems and Associated Sub-basins

B.2 Estimated Pollutants Removed by Street Sweeping

B.3 Sub-basin, Land Use, and Soils Intersection Results

B.4 Pollutant Load Curve Number Calculations

B.5 Runoff Calculations – Existing Condition

B.6 Pollutant Load Calculations – Existing Condition

Appendix B
Existing Condition
Pollutant Loading Calculations

B.1 Lake Systems and Associated Sub-basins

Appendix B.1: Lake Systems and Associated Sub-basins

Lake Name	Lake System ID	Lake System Area (ac)	Subbasin Name	Subbasin Area (ac)
Queens Mirror Lake	1	642.2	13L1876B	66.8
Queens Mirror Lake	1	642.2	13L1877B	31.9
Queens Mirror Lake	1	642.2	13L1952B	59.8
Queens Mirror Lake	1	642.2	13L2053B	29.2
Queens Mirror Lake	1	642.2	13L1878B	17.9
Queens Mirror Lake	1	642.2	13L1895B	7.1
Queens Mirror Lake	1	642.2	13L2052B	9.2
Queens Mirror Lake	1	642.2	13L1875B	43.3
Queens Mirror Lake	1	642.2	13L1825B	4.0
Queens Mirror Lake	1	642.2	13L1951B	4.8
Queens Mirror Lake	1	642.2	13L1829B	19.7
Queens Mirror Lake	1	642.2	13L2560B	14.3
Queens Mirror Lake	1	642.2	13L2152B	19.5
Queens Mirror Lake	1	642.2	13L1950B	53.3
Queens Mirror Lake	1	642.2	13L2520B	17.2
Queens Mirror Lake	1	642.2	13L3140B	38.1
Queens Mirror Lake	1	642.2	13L2540B	4.2
Queens Mirror Lake	1	642.2	13L2300B	3.1
Queens Mirror Lake	1	642.2	13L2050B	15.9
Queens Mirror Lake	1	642.2	13L2151B	4.5
Queens Mirror Lake	1	642.2	13L1975B	15.9
Queens Mirror Lake	1	642.2	13L1885B	27.2
Queens Mirror Lake	1	642.2	13L2400B	4.3
Queens Mirror Lake	1	642.2	13L2051B	10.4
Queens Mirror Lake	1	642.2	13L3000B	1.6
Queens Mirror Lake	1	642.2	13L2750B	29.1
Queens Mirror Lake	1	642.2	13L1700B	30.3
Queens Mirror Lake	1	642.2	13L2500B	18.7
Queens Mirror Lake	1	642.2	13P1801B	3.3
Queens Mirror Lake	1	642.2	13P1814B	5.1
Queens Mirror Lake	1	642.2	13L2720B	5.3
Queens Mirror Lake	1	642.2	13L2700B	5.3
Queens Mirror Lake	1	642.2	13P1800B	6.6
South Triplet Lake	2	114.9	13L1202B	13.5
South Triplet Lake	2	114.9	13L1201B	11.0
South Triplet Lake	2	114.9	13L1200B	44.6
South Triplet Lake	2	114.9	13L1001B	8.5
South Triplet Lake	2	114.9	13L1203B	1.5
South Triplet Lake	2	114.9	13L1002B	8.3
Middle Triplet Lake	3	415.8	13P1250B	4.2
Middle Triplet Lake	3	415.8	13P1650B	2.2
Middle Triplet Lake	3	415.8	13P1300B	1.5
Middle Triplet Lake	3	415.8	13N0650B	42.4
Middle Triplet Lake	3	415.8	13P1000B	11.5
Middle Triplet Lake	3	415.8	13P0502B	4.6
Middle Triplet Lake	3	415.8	13P0950B	9.8
Middle Triplet Lake	3	415.8	13N0302B	23.3
Middle Triplet Lake	3	415.8	13N0301B	14.4
Middle Triplet Lake	3	415.8	13P0900B	2.3
Middle Triplet Lake	3	415.8	13P0400B	2.1
Middle Triplet Lake	3	415.8	13P0500B	12.3
Middle Triplet Lake	3	415.8	13P0501B_1	4.5
Middle Triplet Lake	3	415.8	13P0200B	10.7
Middle Triplet Lake	3	415.8	13N0600B	30.8
Middle Triplet Lake	3	415.8	13L1020B	26.6
Middle Triplet Lake	3	415.8	13L1000B	59.8
Middle Triplet Lake	3	415.8	13N0100B	15.6
Middle Triplet Lake	3	415.8	13N0200B2	37.1
Middle Triplet Lake	3	415.8	13N0201B	9.4
Middle Triplet Lake	3	415.8	13N0850B	4.5
Middle Triplet Lake	3	415.8	13N0900B	7.4
Middle Triplet Lake	3	415.8	13N0050B	13.3
Middle Triplet Lake	3	415.8	13N0700B	4.6

Appendix B.1: Lake Systems and Associated Sub-basins

Lake Name	Lake System ID	Lake System Area (ac)	Subbasin Name	Subbasin Area (ac)
Middle Triplet Lake	3	415.8	13N0800B	4.9
Middle Triplet Lake	3	415.8	13P0800B	0.8
Middle Triplet Lake	3	415.8	13N0200B	3.5
Middle Triplet Lake	3	415.8	13P0500B2	2.5
North Triplet Lake	4	109.8	13L0800B	35.0
North Triplet Lake	4	109.8	13L0820B	24.7
North Triplet Lake	4	109.8	13L0801B	26.1
Grassy Lake	5	931.7	13P3400B	15.5
Grassy Lake	5	931.7	13P1901B	2.9
Grassy Lake	5	931.7	13P2050B	6.6
Grassy Lake	5	931.7	13P2800B	151.5
Grassy Lake	5	931.7	13P2600B	344.8
Grassy Lake	5	931.7	13P2250B	49.8
Grassy Lake	5	931.7	13P2646B	8.5
Grassy Lake	5	931.7	13P2010B	0.9
Grassy Lake	5	931.7	13P2014B	1.7
Grassy Lake	5	931.7	13P2645B	4.1
Grassy Lake	5	931.7	13P1810B	10.0
Grassy Lake	5	931.7	13P1902B	1.8
Grassy Lake	5	931.7	13P1900B	25.9
Grassy Lake	5	931.7	13P2640B	8.5
Grassy Lake	5	931.7	13P2648B	26.8
Grassy Lake	5	931.7	13P2660B	26.2
Grassy Lake	5	931.7	13Q0885B	9.0
Grassy Lake	5	931.7	13Q0940B	5.0
Grassy Lake	5	931.7	13Q1100B	2.2
Grassy Lake	5	931.7	13P1826B	18.5
Grassy Lake	5	931.7	13Q0924B	5.1
Grassy Lake	5	931.7	13P2661B	29.9
Grassy Lake	5	931.7	13Q0820B	39.9
Grassy Lake	5	931.7	13Q1300B	0.8
Grassy Lake	5	931.7	13Q0870B	10.1
Grassy Lake	5	931.7	13Q1600B	3.3
Grassy Lake	5	931.7	13Q0860B	12.7
Grassy Lake	5	931.7	13Q0861B	5.1
Grassy Lake	5	931.7	13Q1900B	27.5
Grassy Lake	5	931.7	13P1920B	9.1
Grassy Lake	5	931.7	13P2900B	24.3
Grassy Lake	5	931.7	13P2300B	9.0
Grassy Lake	5	931.7	13Q0500B	3.5
Grassy Lake	5	931.7	13Q0880B	7.8
Grassy Lake	5	931.7	13Q0875B	5.1
Grassy Lake	5	931.7	13Q0840B	3.1
Grassy Lake	5	931.7	13Q0895B	2.8
Grassy Lake	5	931.7	13P2646B_1	1.6
Grassy Lake	5	931.7	13P2400B	6.3
Grassy Lake	5	931.7	13P2450B	4.4
Yvonne Lake	6	242.7	13N0740B	12.4
Yvonne Lake	6	242.7	13N0751B	45.5
Yvonne Lake	6	242.7	13N0730B	18.8
Yvonne Lake	6	242.7	13N0750B	3.5
Yvonne Lake	6	242.7	13N0720B	7.9
Yvonne Lake	6	242.7	13N0752B	8.0
Yvonne Lake	6	242.7	13N0710B	11.0
Yvonne Lake	6	242.7	13N0701B	24.6
Yvonne Lake	6	242.7	13N0700B2	100.1
Yvonne Lake	6	242.7	13N0702B2	3.6
Yvonne Lake	6	242.7	13N0701B2	4.9
Yvonne Lake	6	242.7	13N0701B3	2.4

Appendix B
Existing Condition
Pollutant Loading Calculations

B.2 Estimated Pollutants Removed by Street Sweeping

Appendix B.2: Estimated Pollutants Removed by Street Sweeping

Sub Basin Area ID	Streets Swept (ft)	Streets Swept (mi)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)
13L0800B-120A	1641.98	0.311	5.475	3.511
13L0800B-120D	1566.84	0.297	5.224	3.350
13L0800B-130A	27.84	0.005	0.093	0.060
13L0800B-186D	67.59	0.013	0.225	0.145
13L0800B-8100D	208.22	0.039	0.694	0.445
13L0801B-120D	317.69	0.060	1.059	0.679
13L0801B-130A	2125.5	0.403	7.087	4.545
13L0801B-130D	214.93	0.041	0.717	0.460
13L0801B-140D	19.23	0.004	0.064	0.041
13L0801B-186D	146.92	0.028	0.490	0.314
13L0820B-120A	29.71	0.006	0.099	0.064
13L0820B-120D	261.29	0.049	0.871	0.559
13L0820B-186D	150.02	0.028	0.500	0.321
13L1000B-120A	325.77	0.062	1.086	0.697
13L1000B-120D	2449.42	0.464	8.167	5.238
13L1000B-182rA	533.97	0.101	1.780	1.142
13L1000B-182rD	390.98	0.074	1.304	0.836
13L1000B-186D	559.83	0.106	1.867	1.197
13L1000B-600D	28.63	0.005	0.095	0.061
13L1000B-8100D	878.41	0.166	2.929	1.878
13L1001B-120A	114.71	0.022	0.382	0.245
13L1001B-120D	871.52	0.165	2.906	1.864
13L1001B-182rA	16.43	0.003	0.055	0.035
13L1001B-430D	129.84	0.025	0.433	0.278
13L1002B-120A	190.33	0.036	0.635	0.407
13L1002B-120D	615.35	0.117	2.052	1.316
13L1020B-110D	412.53	0.078	1.375	0.882
13L1020B-120D	3621.2	0.686	12.074	7.743
13L1020B-600D	67.57	0.013	0.225	0.144
13L1200B-120D	1066.09	0.202	3.555	2.280
13L1200B-182rD	20.12	0.004	0.067	0.043
13L1200B-430A	139.56	0.026	0.465	0.298
13L1200B-430D	541.61	0.103	1.806	1.158
13L1201B-120A	891.47	0.169	2.972	1.906
13L1201B-120D	432.9	0.082	1.443	0.926
13L1201B-182rA	4.58	0.001	0.015	0.010
13L1201B-182rD	710.29	0.135	2.368	1.519
13L1202B-120A	1040.14	0.197	3.468	2.224
13L1202B-120D	137.82	0.026	0.460	0.295
13L1202B-182rA	272.56	0.052	0.909	0.583
13L1202B-182rD	151.31	0.029	0.505	0.324
13L1203B-120D	225.14	0.043	0.751	0.481
13L1203B-182rD	1.61	0.000	0.005	0.003
13L1700B-120A	737.86	0.140	2.460	1.578
13L1700B-120D	3161.24	0.599	10.540	6.760
13L1825B-120D	499.95	0.095	1.667	1.069
13L1825B-182rD	205.75	0.039	0.686	0.440
13L1829B-120D	399.53	0.076	1.332	0.854
13L1875B-120D	541.3	0.103	1.805	1.157
13L1875B-182rD	136.18	0.026	0.454	0.291
13L1875B-600D	33.49	0.006	0.112	0.072
13L1876B-120D	10294.25	1.950	34.324	22.012
13L1876B-140D	1252.7	0.237	4.177	2.679
13L1876B-186D	133.42	0.025	0.445	0.285
13L1877B-120D	6479.77	1.227	21.605	13.856
13L1878B-120D	4057.86	0.769	13.530	8.677
13L1885B-120D	2739.11	0.519	9.133	5.857
13L1895B-120D	913.35	0.173	3.045	1.953
13L1895B-600D	689.32	0.131	2.298	1.474

Street Sweeping Data		
Year	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)
2011	1,128	723
2012	1,155	741
2013	1,342	861
2014	1,104	708
2015	1,229	788
5-yr Average	**1191.6**	**764.2**

Streets Swept (mi)	67.68598	67.68598
Mass Removed (lbs/mi/yr)	**17.605**	**11.290**

Source: Marissa Williams, City of Casselberry, 08/11/16

Appendix B.2: Estimated Pollutants Removed by Street Sweeping

Sub Basin Area ID	Streets Swept (ft)	Streets Swept (mi)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)
13L1950B-600D	228.17	0.043	0.761	0.488
13L1951B-120D	586.58	0.111	1.956	1.254
13L1952B-120D	11528.37	2.183	38.438	24.651
13L1952B-140D	1655.75	0.314	5.521	3.541
13L1952B-186D	31.86	0.006	0.106	0.068
13L1975B-120D	693.26	0.131	2.312	1.482
13L2051B-120D	2321.26	0.440	7.740	4.964
13L2052B-120D	1833.49	0.347	6.113	3.921
13L2053B-120D	5332.45	1.010	17.780	11.403
13L2053B-140D	213.43	0.040	0.712	0.456
13L2151B-120D	824.93	0.156	2.751	1.764
13L2152B-120D	3766.58	0.713	12.559	8.054
13L2400B-120D	1216.94	0.230	4.058	2.602
13L2500B-120D	430.11	0.081	1.434	0.920
13L2500B-130D	705.32	0.134	2.352	1.508
13L2500B-140D	580.31	0.110	1.935	1.241
13L2500B-186A	246.86	0.047	0.823	0.528
13L2500B-186D	952.11	0.180	3.175	2.036
13L2700B-140D	61.26	0.012	0.204	0.131
13L2720B-120D	848.39	0.161	2.829	1.814
13L2720B-130D	10.78	0.002	0.036	0.023
13L3140B-186D	41.24	0.008	0.138	0.088
13N0050B-120A	318.02	0.060	1.060	0.680
13N0050B-120D	227.87	0.043	0.760	0.487
13N0100B-120A	29.35	0.006	0.098	0.063
13N0100B-120D	185.79	0.035	0.619	0.397
13N0200B2-120A	316.36	0.060	1.055	0.676
13N0200B2-120D	654.07	0.124	2.181	1.399
13N0200B2-8100D	65.21	0.012	0.217	0.139
13N0201B-120A	938.81	0.178	3.130	2.007
13N0301B-120A	30.55	0.006	0.102	0.065
13N0301B-120D	1889.82	0.358	6.301	4.041
13N0301B-182rD	7.05	0.001	0.024	0.015
13N0302B-120A	126.67	0.024	0.422	0.271
13N0302B-120D	1189.92	0.225	3.967	2.544
13N0302B-182rD	1240.06	0.235	4.135	2.652
13N0600B-120A	752.75	0.143	2.510	1.610
13N0600B-120D	5493.8	1.040	18.318	11.748
13N0650B-120D	1572.78	0.298	5.244	3.363
13N0700B2-120A	703.52	0.133	2.346	1.504
13N0700B2-120D	342.61	0.065	1.142	0.733
13N0700B2-186A	26.85	0.005	0.090	0.057
13N0700B2-186D	46.46	0.009	0.155	0.099
13N0701B-120A	210.11	0.040	0.701	0.449
13N0701B-120D	2051.37	0.389	6.840	4.387
13N0701B2-120D	870.35	0.165	2.902	1.861
13N0701B3-120A	288.28	0.055	0.961	0.616
13N0701B3-120D	19.82	0.004	0.066	0.042
13N0710B-120D	1438.37	0.272	4.796	3.076
13N0720B-120D	1440.93	0.273	4.804	3.081
13N0730B-120D	3709.26	0.703	12.368	7.932
13N0740B-120D	2066.57	0.391	6.890	4.419
13N0751B-120D	8874.69	1.681	29.590	18.977
13N0752B-120D	692.55	0.131	2.309	1.481
13N0800B-120D	23.46	0.004	0.078	0.050
13N0900B-120A	106.54	0.020	0.355	0.228
13N0900B-120D	730.95	0.138	2.437	1.563
13P0200B-120A	75.61	0.014	0.252	0.162
13P0200B-120D	1776.94	0.337	5.925	3.800

Appendix B.2: Estimated Pollutants Removed by Street Sweeping

Sub Basin Area ID	Streets Swept (ft)	Streets Swept (mi)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)
13P0400B-120A	124.71	0.024	0.416	0.267
13P0400B-120D	259.49	0.049	0.865	0.555
13P0500B-120A	147.28	0.028	0.491	0.315
13P0500B-120D	1744.88	0.330	5.818	3.731
13P0502B-120D	320.79	0.061	1.070	0.686
13P0950B-120D	442.46	0.084	1.475	0.946
13P0950B-170D	22.27	0.004	0.074	0.048
13P1000B-120D	1752.52	0.332	5.843	3.747
13P1000B-140D	514.55	0.097	1.716	1.100
13P1000B-182rD	740.18	0.140	2.468	1.583
13P1650B-130D	87.36	0.017	0.291	0.187
13P1650B-182rD	252.27	0.048	0.841	0.539
13P1810B-140D	31.92	0.006	0.106	0.068
13P1810B-186D	48.67	0.009	0.162	0.104
13P1826B-120D	487.35	0.092	1.625	1.042
13P1826B-140D	708.14	0.134	2.361	1.514
13P1826B-170D	252.02	0.048	0.840	0.539
13P1826B-186D	124.22	0.024	0.414	0.266
13P1901B-186D	24.26	0.005	0.081	0.052
13P2050B-140D	52.1	0.010	0.174	0.111
13P2250B-140D	932.39	0.177	3.109	1.994
13P2250B-186D	11.59	0.002	0.039	0.025
13P2300B-140D	100.04	0.019	0.334	0.214
13Q0860B-120A	9.76	0.002	0.033	0.021
13Q0860B-120D	305.4	0.058	1.018	0.653
13Q0860B-155A	23.44	0.004	0.078	0.050
13Q0860B-430A	171.34	0.032	0.571	0.366
13Q0861B-120D	224.11	0.042	0.747	0.479
13Q0861B-155A	273.16	0.052	0.911	0.584
13Q0861B-155D	57.54	0.011	0.192	0.123
13Q0870B-155D	524.83	0.099	1.750	1.122
13Q0875B-120D	889.38	0.168	2.965	1.902
13Q0880B-120D	936.81	0.177	3.124	2.003
13Q0880B-185D	240.61	0.046	0.802	0.515
13Q0885B-120D	851.15	0.161	2.838	1.820
13Q0885B-185D	135.67	0.026	0.452	0.290
13Q1300B-155D	63.7	0.012	0.212	0.136
13Q1900B-120D	248.06	0.047	0.827	0.530
13Q1900B-140D	891.37	0.169	2.972	1.906
TOTALS	**145566**	**27.6**	**485**	**311**

Appendix B
Existing Condition
Pollutant Loading Calculations

B.3 Sub-basin, Land Use, and Soils Intersection Results

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13L0800B-120A	13L0800B	416,751	9.57	34.96	120	A
13L0800B-120D	13L0800B	399,377	9.17	34.96	120	D
13L0800B-130A	13L0800B	9,421	0.22	34.96	130	A
13L0800B-130D	13L0800B	39,472	0.91	34.96	130	D
13L0800B-140A	13L0800B	7,870	0.18	34.96	140	A
13L0800B-140D	13L0800B	16,350	0.38	34.96	140	D
13L0800B-186D	13L0800B	303,007	6.96	34.96	186	D
13L0800B-430A	13L0800B	75,125	1.72	34.96	430	A
13L0800B-500D	13L0800B	17,726	0.41	34.96	500	D
13L0800B-600D	13L0800B	195,890	4.50	34.96	600	D
13L0800B-8100D	13L0800B	41,971	0.96	34.96	8100	D
13L0801B-120A	13L0801B	11,208	0.26	26.11	120	A
13L0801B-120D	13L0801B	321,151	7.37	26.11	120	D
13L0801B-130A	13L0801B	405,628	9.31	26.11	130	A
13L0801B-130D	13L0801B	52,802	1.21	26.11	130	D
13L0801B-140A	13L0801B	203,717	4.68	26.11	140	A
13L0801B-140D	13L0801B	15,610	0.36	26.11	140	D
13L0801B-186A	13L0801B	31	0.00	26.11	186	A
13L0801B-186D	13L0801B	113,614	2.61	26.11	186	D
13L0801B-430A	13L0801B	13,377	0.31	26.11	430	A
13L0820B-120A	13L0820B	24,936	0.57	24.68	120	A
13L0820B-120D	13L0820B	340,034	7.81	24.68	120	D
13L0820B-130A	13L0820B	103,238	2.37	24.68	130	A
13L0820B-130D	13L0820B	203,272	4.67	24.68	130	D
13L0820B-140D	13L0820B	201,844	4.63	24.68	140	D
13L0820B-186D	13L0820B	157,681	3.62	24.68	186	D
13L0820B-500D	13L0820B	44,080	1.01	24.68	500	D
13L1000B-120A	13L1000B	175,750	4.03	59.85	120	A
13L1000B-120D	13L1000B	1,165,255	26.75	59.85	120	D
13L1000B-182rA	13L1000B	81,009	1.86	59.85	182r	A
13L1000B-182rD	13L1000B	243,042	5.58	59.85	182r	D
13L1000B-186D	13L1000B	24,537	0.56	59.85	186	D
13L1000B-500D	13L1000B	32	0.00	59.85	500	D
13L1000B-600D	13L1000B	867,193	19.91	59.85	600	D
13L1000B-8100D	13L1000B	50,089	1.15	59.85	8100	D
13L1001B-120A	13L1001B	22,477	0.52	8.52	120	A
13L1001B-120D	13L1001B	240,231	5.51	8.52	120	D
13L1001B-182rA	13L1001B	1,770	0.04	8.52	182r	A
13L1001B-182rD	13L1001B	83,859	1.93	8.52	182r	D
13L1001B-430D	13L1001B	22,664	0.52	8.52	430	D
13L1002B-120A	13L1002B	123,439	2.83	8.26	120	A
13L1002B-120D	13L1002B	195,325	4.48	8.26	120	D
13L1002B-430D	13L1002B	6,220	0.14	8.26	430	D
13L1002B-500D	13L1002B	34,737	0.80	8.26	500	D
13L1020B-110D	13L1020B	21,326	0.49	26.56	110	D
13L1020B-120D	13L1020B	1,002,656	23.02	26.56	120	D
13L1020B-130D	13L1020B	187	0.00	26.56	130	D
13L1020B-182rD	13L1020B	200	0.00	26.56	182r	D
13L1020B-600D	13L1020B	132,660	3.05	26.56	600	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13L1200B-120A	13L1200B	7,169	0.16	44.62	120	A
13L1200B-120D	13L1200B	1,259,696	28.92	44.62	120	D
13L1200B-182rA	13L1200B	255	0.01	44.62	182r	A
13L1200B-182rD	13L1200B	311,167	7.14	44.62	182r	D
13L1200B-430A	13L1200B	11,685	0.27	44.62	430	A
13L1200B-430D	13L1200B	247,786	5.69	44.62	430	D
13L1200B-500D	13L1200B	173	0.00	44.62	500	D
13L1200B-600D	13L1200B	105,549	2.42	44.62	600	D
13L1201B-120A	13L1201B	267,593	6.14	10.96	120	A
13L1201B-120D	13L1201B	39,105	0.90	10.96	120	D
13L1201B-182rA	13L1201B	53,473	1.23	10.96	182r	A
13L1201B-182rD	13L1201B	117,078	2.69	10.96	182r	D
13L1202B-120A	13L1202B	98,511	2.26	13.51	120	A
13L1202B-120D	13L1202B	198,707	4.56	13.51	120	D
13L1202B-182rA	13L1202B	246,597	5.66	13.51	182r	A
13L1202B-182rD	13L1202B	44,885	1.03	13.51	182r	D
13L1203B-120A	13L1203B	4	0.00	1.48	120	A
13L1203B-120D	13L1203B	59,843	1.37	1.48	120	D
13L1203B-182rA	13L1203B	1,031	0.02	1.48	182r	A
13L1203B-182rD	13L1203B	3,648	0.08	1.48	182r	D
13L1700B-120A	13L1700B	92,392	2.12	30.34	120	A
13L1700B-120D	13L1700B	1,162,520	26.69	30.34	120	D
13L1700B-182rD	13L1700B	64,162	1.47	30.34	182r	D
13L1700B-500D	13L1700B	2,645	0.06	30.34	500	D
13L1825B-120D	13L1825B	27,385	0.63	4.03	120	D
13L1825B-182rD	13L1825B	109,174	2.51	4.03	182r	D
13L1825B-500D	13L1825B	14,092	0.32	4.03	500	D
13L1825B-600D	13L1825B	24,881	0.57	4.03	600	D
13L1829B-120D	13L1829B	103,027	2.37	19.68	120	D
13L1829B-170D	13L1829B	754,032	17.31	19.68	170	D
13L1875B-120D	13L1875B	361,201	8.29	43.30	120	D
13L1875B-170D	13L1875B	237,400	5.45	43.30	170	D
13L1875B-182rD	13L1875B	38,669	0.89	43.30	182r	D
13L1875B-600D	13L1875B	1,249,030	28.67	43.30	600	D
13L1876B-120D	13L1876B	2,142,163	49.18	66.80	120	D
13L1876B-130D	13L1876B	131,650	3.02	66.80	130	D
13L1876B-140D	13L1876B	434,095	9.97	66.80	140	D
13L1876B-155D	13L1876B	49,355	1.13	66.80	155	D
13L1876B-186D	13L1876B	152,334	3.50	66.80	186	D
13L1877B-120D	13L1877B	1,388,662	31.88	31.88	120	D
13L1878B-120D	13L1878B	780,858	17.93	17.93	120	D
13L1885B-120D	13L1885B	815,414	18.72	27.22	120	D
13L1885B-170D	13L1885B	260,893	5.99	27.22	170	D
13L1885B-182rD	13L1885B	81,707	1.88	27.22	182r	D
13L1885B-600D	13L1885B	27,578	0.63	27.22	600	D
13L1895B-120D	13L1895B	177,448	4.07	7.07	120	D
13L1895B-600D	13L1895B	130,399	2.99	7.07	600	D
13L1950B-120D	13L1950B	404,714	9.29	53.28	120	D
13L1950B-182rD	13L1950B	188,185	4.32	53.28	182r	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13L1950B-600D	13L1950B	1,728,140	39.67	53.28	600	D
13L1951B-120D	13L1951B	101,033	2.32	4.79	120	D
13L1951B-182rD	13L1951B	85,614	1.97	4.79	182r	D
13L1951B-600D	13L1951B	21,830	0.50	4.79	600	D
13L1952B-120D	13L1952B	2,123,171	48.74	59.75	120	D
13L1952B-140D	13L1952B	439,008	10.08	59.75	140	D
13L1952B-186D	13L1952B	40,588	0.93	59.75	186	D
13L1975B-120D	13L1975B	160,310	3.68	15.87	120	D
13L1975B-182rD	13L1975B	252,890	5.81	15.87	182r	D
13L1975B-600D	13L1975B	278,228	6.39	15.87	600	D
13L2050B-120D	13L2050B	150,958	3.47	15.86	120	D
13L2050B-182rD	13L2050B	111,358	2.56	15.86	182r	D
13L2050B-600D	13L2050B	428,686	9.84	15.86	600	D
13L2051B-120D	13L2051B	452,464	10.39	10.39	120	D
13L2052B-120D	13L2052B	402,912	9.25	9.25	120	D
13L2053B-120D	13L2053B	1,246,141	28.61	29.24	120	D
13L2053B-140D	13L2053B	27,353	0.63	29.24	140	D
13L2151B-120D	13L2151B	195,927	4.50	4.50	120	D
13L2152B-120D	13L2152B	848,836	19.49	19.49	120	D
13L2300B-120D	13L2300B	107,853	2.48	3.10	120	D
13L2300B-500D	13L2300B	27,035	0.62	3.10	500	D
13L2400B-120D	13L2400B	185,989	4.27	4.27	120	D
13L2500B-120D	13L2500B	131,516	3.02	18.73	120	D
13L2500B-130D	13L2500B	126,367	2.90	18.73	130	D
13L2500B-140A	13L2500B	17,546	0.40	18.73	140	A
13L2500B-140D	13L2500B	105,112	2.41	18.73	140	D
13L2500B-182rD	13L2500B	3,945	0.09	18.73	182r	D
13L2500B-186A	13L2500B	21,471	0.49	18.73	186	A
13L2500B-186D	13L2500B	63,563	1.46	18.73	186	D
13L2500B-190D	13L2500B	11,020	0.25	18.73	190	D
13L2500B-600D	13L2500B	335,506	7.70	18.73	600	D
13L2520B-120A	13L2520B	47,511	1.09	17.24	120	A
13L2520B-120D	13L2520B	50,424	1.16	17.24	120	D
13L2520B-130A	13L2520B	631,460	14.50	17.24	130	A
13L2520B-130D	13L2520B	18,354	0.42	17.24	130	D
13L2520B-140A	13L2520B	351	0.01	17.24	140	A
13L2520B-600D	13L2520B	3,079	0.07	17.24	600	D
13L2540B-130A	13L2540B	300	0.01	4.19	130	A
13L2540B-130D	13L2540B	1,688	0.04	4.19	130	D
13L2540B-140A	13L2540B	16,883	0.39	4.19	140	A
13L2540B-140D	13L2540B	162,792	3.74	4.19	140	D
13L2540B-600D	13L2540B	1,059	0.02	4.19	600	D
13L2560B-130A	13L2560B	4,264	0.10	14.34	130	A
13L2560B-140A	13L2560B	587,260	13.48	14.34	140	A
13L2560B-140D	13L2560B	31,722	0.73	14.34	140	D
13L2560B-186A	13L2560B	879	0.02	14.34	186	A
13L2560B-186D	13L2560B	322	0.01	14.34	186	D
13L2700B-120D	13L2700B	17,542	0.40	5.32	120	D
13L2700B-130D	13L2700B	135,421	3.11	5.32	130	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13L2700B-140D	13L2700B	14,967	0.34	5.32	140	D
13L2700B-186D	13L2700B	105	0.00	5.32	186	D
13L2700B-190D	13L2700B	183	0.00	5.32	190	D
13L2700B-430D	13L2700B	36,777	0.84	5.32	430	D
13L2700B-500D	13L2700B	26,656	0.61	5.32	500	D
13L2720B-120D	13L2720B	217,672	5.00	5.27	120	D
13L2720B-130D	13L2720B	363	0.01	5.27	130	D
13L2720B-182rD	13L2720B	11,419	0.26	5.27	182r	D
13L2750B-140A	13L2750B	7,623	0.18	29.09	140	A
13L2750B-140D	13L2750B	905,054	20.78	29.09	140	D
13L2750B-186D	13L2750B	9,366	0.22	29.09	186	D
13L2750B-190D	13L2750B	110,061	2.53	29.09	190	D
13L2750B-430D	13L2750B	110,021	2.53	29.09	430	D
13L2750B-500D	13L2750B	116,445	2.67	29.09	500	D
13L2750B-600D	13L2750B	8,455	0.19	29.09	600	D
13L3000B-120D	13L3000B	292	0.01	1.63	120	D
13L3000B-130D	13L3000B	59,338	1.36	1.63	130	D
13L3000B-140D	13L3000B	1,529	0.04	1.63	140	D
13L3000B-500D	13L3000B	10,026	0.23	1.63	500	D
13L3140B-120A	13L3140B	449	0.01	38.14	120	A
13L3140B-120D	13L3140B	36,355	0.83	38.14	120	D
13L3140B-130A	13L3140B	12,894	0.30	38.14	130	A
13L3140B-140A	13L3140B	214,942	4.93	38.14	140	A
13L3140B-140D	13L3140B	805,824	18.50	38.14	140	D
13L3140B-186A	13L3140B	10,557	0.24	38.14	186	A
13L3140B-186D	13L3140B	251,628	5.78	38.14	186	D
13L3140B-430A	13L3140B	97,171	2.23	38.14	430	A
13L3140B-430D	13L3140B	6,771	0.16	38.14	430	D
13L3140B-600D	13L3140B	224,699	5.16	38.14	600	D
13N0050B-120A	13N0050B	184,194	4.23	13.33	120	A
13N0050B-120D	13N0050B	321,617	7.38	13.33	120	D
13N0050B-182rA	13N0050B	1,273	0.03	13.33	182r	A
13N0050B-182rD	13N0050B	3,914	0.09	13.33	182r	D
13N0050B-500A	13N0050B	24,088	0.55	13.33	500	A
13N0050B-500D	13N0050B	38,689	0.89	13.33	500	D
13N0050B-600A	13N0050B	17	0.00	13.33	600	A
13N0050B-600D	13N0050B	6,978	0.16	13.33	600	D
13N0100B-120A	13N0100B	160,355	3.68	15.62	120	A
13N0100B-120D	13N0100B	440,877	10.12	15.62	120	D
13N0100B-500A	13N0100B	16,192	0.37	15.62	500	A
13N0100B-500D	13N0100B	60,764	1.39	15.62	500	D
13N0100B-600D	13N0100B	2,241	0.05	15.62	600	D
13N0200B-120D	13N0200B	40,445	0.93	3.54	120	D
13N0200B-600D	13N0200B	113,901	2.61	3.54	600	D
13N0200B2-120A	13N0200B2	90,150	2.07	37.10	120	A
13N0200B2-120D	13N0200B2	594,349	13.64	37.10	120	D
13N0200B2-120W	13N0200B2	6	0.00	37.10	120	W
13N0200B2-500D	13N0200B2	12,179	0.28	37.10	500	D
13N0200B2-500W	13N0200B2	427,172	9.81	37.10	500	W

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13N0200B2-600D	13N0200B2	391,015	8.98	37.10	600	D
13N0200B2-600W	13N0200B2	97,384	2.24	37.10	600	W
13N0200B2-8100D	13N0200B2	3,821	0.09	37.10	8100	D
13N0201B-120A	13N0201B	333,288	7.65	9.36	120	A
13N0201B-120D	13N0201B	1,892	0.04	9.36	120	D
13N0201B-130A	13N0201B	1,023	0.02	9.36	130	A
13N0201B-186A	13N0201B	10,989	0.25	9.36	186	A
13N0201B-186D	13N0201B	60,563	1.39	9.36	186	D
13N0301B-120A	13N0301B	65,464	1.50	14.38	120	A
13N0301B-120D	13N0301B	398,693	9.15	14.38	120	D
13N0301B-182rA	13N0301B	24,481	0.56	14.38	182r	A
13N0301B-182rD	13N0301B	137,906	3.17	14.38	182r	D
13N0302B-120A	13N0302B	1,929	0.04	23.30	120	A
13N0302B-120D	13N0302B	669,570	15.37	23.30	120	D
13N0302B-182rD	13N0302B	343,488	7.89	23.30	182r	D
13N0600B-120A	13N0600B	128,781	2.96	30.83	120	A
13N0600B-120D	13N0600B	1,106,150	25.39	30.83	120	D
13N0600B-430D	13N0600B	103,925	2.39	30.83	430	D
13N0600B-600A	13N0600B	4,005	0.09	30.83	600	A
13N0600B-600D	13N0600B	286	0.01	30.83	600	D
13N0650B-120D	13N0650B	1,105,135	25.37	42.38	120	D
13N0650B-430D	13N0650B	367,167	8.43	42.38	430	D
13N0650B-500D	13N0650B	1	0.00	42.38	500	D
13N0650B-500W	13N0650B	207,025	4.75	42.38	500	W
13N0650B-600D	13N0650B	93,064	2.14	42.38	600	D
13N0650B-600W	13N0650B	73,562	1.69	42.38	600	W
13N0700B-120A	13N0700B	1,348	0.03	4.62	120	A
13N0700B-120D	13N0700B	22,323	0.51	4.62	120	D
13N0700B-500D	13N0700B	257	0.01	4.62	500	D
13N0700B-600A	13N0700B	17,302	0.40	4.62	600	A
13N0700B-600D	13N0700B	159,951	3.67	4.62	600	D
13N0700B2-120A	13N0700B2	1,248,716	28.67	100.06	120	A
13N0700B2-120D	13N0700B2	561,445	12.89	100.06	120	D
13N0700B2-120W	13N0700B2	9,734	0.22	100.06	120	W
13N0700B2-140A	13N0700B2	232,647	5.34	100.06	140	A
13N0700B2-140D	13N0700B2	8,611	0.20	100.06	140	D
13N0700B2-186A	13N0700B2	79,699	1.83	100.06	186	A
13N0700B2-186D	13N0700B2	5,028	0.12	100.06	186	D
13N0700B2-430A	13N0700B2	463,071	10.63	100.06	430	A
13N0700B2-430D	13N0700B2	191,351	4.39	100.06	430	D
13N0700B2-430W	13N0700B2	13,756	0.32	100.06	430	W
13N0700B2-500A	13N0700B2	10,539	0.24	100.06	500	A
13N0700B2-500D	13N0700B2	11,296	0.26	100.06	500	D
13N0700B2-500W	13N0700B2	670,045	15.38	100.06	500	W
13N0700B2-600A	13N0700B2	115,139	2.64	100.06	600	A
13N0700B2-600D	13N0700B2	502,002	11.52	100.06	600	D
13N0700B2-600W	13N0700B2	235,436	5.40	100.06	600	W
13N0701B-120A	13N0701B	99,666	2.29	24.58	120	A
13N0701B-120D	13N0701B	683,278	15.69	24.58	120	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13N0701B-185A	13N0701B	88,820	2.04	24.58	185	A
13N0701B-185D	13N0701B	198,805	4.56	24.58	185	D
13N0701B2-120A	13N0701B2	552	0.01	4.91	120	A
13N0701B2-120D	13N0701B2	213,530	4.90	4.91	120	D
13N0701B3-120A	13N0701B3	101,900	2.34	2.43	120	A
13N0701B3-120D	13N0701B3	4,034	0.09	2.43	120	D
13N0702B2-120A	13N0702B2	77	0.00	3.64	120	A
13N0702B2-120D	13N0702B2	282	0.01	3.64	120	D
13N0702B2-140A	13N0702B2	8,400	0.19	3.64	140	A
13N0702B2-140D	13N0702B2	129,227	2.97	3.64	140	D
13N0702B2-186A	13N0702B2	377	0.01	3.64	186	A
13N0702B2-186D	13N0702B2	17,188	0.39	3.64	186	D
13N0702B2-430A	13N0702B2	2,794	0.06	3.64	430	A
13N0702B2-430D	13N0702B2	56	0.00	3.64	430	D
13N0710B-120D	13N0710B	443,403	10.18	11.04	120	D
13N0710B-600D	13N0710B	37,398	0.86	11.04	600	D
13N0720B-120D	13N0720B	344,446	7.91	7.91	120	D
13N0720B-600D	13N0720B	106	0.00	7.91	600	D
13N0730B-120D	13N0730B	820,691	18.84	18.84	120	D
13N0740B-120D	13N0740B	539,936	12.40	12.40	120	D
13N0750B-120D	13N0750B	122,074	2.80	3.46	120	D
13N0750B-600D	13N0750B	28,782	0.66	3.46	600	D
13N0751B-120D	13N0751B	1,980,740	45.47	45.47	120	D
13N0752B-120D	13N0752B	311,653	7.15	8.01	120	D
13N0752B-185D	13N0752B	37,339	0.86	8.01	185	D
13N0800B-120A	13N0800B	2,969	0.07	4.87	120	A
13N0800B-120D	13N0800B	176,172	4.04	4.87	120	D
13N0800B-500D	13N0800B	27,502	0.63	4.87	500	D
13N0800B-600A	13N0800B	42	0.00	4.87	600	A
13N0800B-600D	13N0800B	5,249	0.12	4.87	600	D
13N0850B-120D	13N0850B	72,321	1.66	4.54	120	D
13N0850B-120W	13N0850B	4	0.00	4.54	120	W
13N0850B-500W	13N0850B	53,545	1.23	4.54	500	W
13N0850B-600D	13N0850B	12,727	0.29	4.54	600	D
13N0850B-600W	13N0850B	58,949	1.35	4.54	600	W
13N0900B-120A	13N0900B	38,989	0.90	7.37	120	A
13N0900B-120D	13N0900B	242,039	5.56	7.37	120	D
13N0900B-500D	13N0900B	39,608	0.91	7.37	500	D
13N0900B-600D	13N0900B	423	0.01	7.37	600	D
13P0200B-120A	13P0200B	50,489	1.16	10.73	120	A
13P0200B-120D	13P0200B	404,896	9.30	10.73	120	D
13P0200B-182rD	13P0200B	12,155	0.28	10.73	182r	D
13P0400B-120A	13P0400B	2,455	0.06	2.11	120	A
13P0400B-120D	13P0400B	29,715	0.68	2.11	120	D
13P0400B-182rA	13P0400B	18,261	0.42	2.11	182r	A
13P0400B-182rD	13P0400B	41,663	0.96	2.11	182r	D
13P0500B-120A	13P0500B	80,879	1.86	12.28	120	A
13P0500B-120D	13P0500B	252,332	5.79	12.28	120	D
13P0500B-182rA	13P0500B	30,688	0.70	12.28	182r	A

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13P0500B-182rD	13P0500B	85,820	1.97	12.28	182r	D
13P0500B-600A	13P0500B	2,182	0.05	12.28	600	A
13P0500B-600D	13P0500B	82,824	1.90	12.28	600	D
13P0500B2-120A	13P0500B2	88,925	2.04	2.53	120	A
13P0500B2-120D	13P0500B2	16,651	0.38	2.53	120	D
13P0500B2-182rA	13P0500B2	2,671	0.06	2.53	182r	A
13P0500B2-600A	13P0500B2	1,163	0.03	2.53	600	A
13P0500B2-600D	13P0500B2	593	0.01	2.53	600	D
13P0501B_1-120D	13P0501B_1	62,417	1.43	4.53	120	D
13P0501B_1-182rD	13P0501B_1	134,762	3.09	4.53	182r	D
13P0502B-120D	13P0502B	116,058	2.66	4.58	120	D
13P0502B-182rD	13P0502B	83,268	1.91	4.58	182r	D
13P0800B-120D	13P0800B	32,592	0.75	0.76	120	D
13P0800B-182rD	13P0800B	402	0.01	0.76	182r	D
13P0900B-120D	13P0900B	45,608	1.05	2.34	120	D
13P0900B-182rD	13P0900B	56,113	1.29	2.34	182r	D
13P0950B-120D	13P0950B	255,271	5.86	9.78	120	D
13P0950B-170D	13P0950B	6,888	0.16	9.78	170	D
13P0950B-182rD	13P0950B	162,241	3.72	9.78	182r	D
13P0950B-430D	13P0950B	1,414	0.03	9.78	430	D
13P1000B-120D	13P1000B	350,876	8.06	11.46	120	D
13P1000B-140D	13P1000B	55,015	1.26	11.46	140	D
13P1000B-182rD	13P1000B	93,226	2.14	11.46	182r	D
13P1250B-120D	13P1250B	19,308	0.44	4.19	120	D
13P1250B-182rD	13P1250B	163,410	3.75	4.19	182r	D
13P1300B-120D	13P1300B	58,038	1.33	1.52	120	D
13P1300B-182rD	13P1300B	8,052	0.18	1.52	182r	D
13P1650B-120D	13P1650B	974	0.02	2.16	120	D
13P1650B-130D	13P1650B	27,222	0.62	2.16	130	D
13P1650B-182rD	13P1650B	65,883	1.51	2.16	182r	D
13P1800B-130D	13P1800B	27,001	0.62	6.63	130	D
13P1800B-130W	13P1800B	2,618	0.06	6.63	130	W
13P1800B-140D	13P1800B	7,029	0.16	6.63	140	D
13P1800B-182rD	13P1800B	150,856	3.46	6.63	182r	D
13P1800B-182rW	13P1800B	1,183	0.03	6.63	182r	W
13P1800B-500D	13P1800B	2,265	0.05	6.63	500	D
13P1800B-500W	13P1800B	87,375	2.01	6.63	500	W
13P1800B-600D	13P1800B	10,331	0.24	6.63	600	D
13P1801B-120D	13P1801B	8,983	0.21	3.33	120	D
13P1801B-130D	13P1801B	132,685	3.05	3.33	130	D
13P1801B-140D	13P1801B	3,562	0.08	3.33	140	D
13P1810B-140D	13P1810B	234,917	5.39	10.05	140	D
13P1810B-182rD	13P1810B	165	0.00	10.05	182r	D
13P1810B-186D	13P1810B	202,507	4.65	10.05	186	D
13P1814B-130D	13P1814B	2,046	0.05	5.08	130	D
13P1814B-140D	13P1814B	188,685	4.33	5.08	140	D
13P1814B-182rD	13P1814B	3,818	0.09	5.08	182r	D
13P1814B-186D	13P1814B	1,181	0.03	5.08	186	D
13P1814B-600D	13P1814B	25,530	0.59	5.08	600	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13P1826B-120D	13P1826B	198,532	4.56	18.47	120	D
13P1826B-140D	13P1826B	376,200	8.64	18.47	140	D
13P1826B-170D	13P1826B	75,134	1.72	18.47	170	D
13P1826B-186D	13P1826B	75,476	1.73	18.47	186	D
13P1826B-430D	13P1826B	38,769	0.89	18.47	430	D
13P1826B-600D	13P1826B	40,496	0.93	18.47	600	D
13P1900B-140D	13P1900B	507,918	11.66	25.90	140	D
13P1900B-140W	13P1900B	162	0.00	25.90	140	W
13P1900B-186D	13P1900B	2,190	0.05	25.90	186	D
13P1900B-500D	13P1900B	8,973	0.21	25.90	500	D
13P1900B-500W	13P1900B	221,302	5.08	25.90	500	W
13P1900B-600D	13P1900B	358,549	8.23	25.90	600	D
13P1900B-600W	13P1900B	29,041	0.67	25.90	600	W
13P1901B-140D	13P1901B	40,792	0.94	2.91	140	D
13P1901B-186D	13P1901B	86,107	1.98	2.91	186	D
13P1902B-140D	13P1902B	77,636	1.78	1.84	140	D
13P1902B-600D	13P1902B	2,608	0.06	1.84	600	D
13P1920B-120D	13P1920B	189	0.00	9.05	120	D
13P1920B-140D	13P1920B	390,575	8.97	9.05	140	D
13P1920B-185D	13P1920B	608	0.01	9.05	185	D
13P1920B-600D	13P1920B	2,980	0.07	9.05	600	D
13P2010B-140D	13P2010B	1,807	0.04	0.91	140	D
13P2010B-186D	13P2010B	37,731	0.87	0.91	186	D
13P2014B-140D	13P2014B	3,302	0.08	1.68	140	D
13P2014B-186D	13P2014B	70,074	1.61	1.68	186	D
13P2050B-120D	13P2050B	13,518	0.31	6.57	120	D
13P2050B-140D	13P2050B	256,007	5.88	6.57	140	D
13P2050B-186D	13P2050B	16,756	0.38	6.57	186	D
13P2250B-120D	13P2250B	656,035	15.06	49.85	120	D
13P2250B-120W	13P2250B	6,392	0.15	49.85	120	W
13P2250B-140D	13P2250B	811,894	18.64	49.85	140	D
13P2250B-186D	13P2250B	8,949	0.21	49.85	186	D
13P2250B-500D	13P2250B	29,071	0.67	49.85	500	D
13P2250B-500W	13P2250B	526,727	12.09	49.85	500	W
13P2250B-600D	13P2250B	109,296	2.51	49.85	600	D
13P2250B-600W	13P2250B	23,083	0.53	49.85	600	W
13P2300B-140D	13P2300B	253,390	5.82	8.97	140	D
13P2300B-186D	13P2300B	137,495	3.16	8.97	186	D
13P2400B-140D	13P2400B	157,757	3.62	6.35	140	D
13P2400B-186D	13P2400B	118,702	2.73	6.35	186	D
13P2450B-140D	13P2450B	162,125	3.72	4.37	140	D
13P2450B-186D	13P2450B	28,408	0.65	4.37	186	D
13P2600B-110D	13P2600B	88,751	2.04	344.80	110	D
13P2600B-120A	13P2600B	24,191	0.56	344.80	120	A
13P2600B-120D	13P2600B	6,431,777	147.65	344.80	120	D
13P2600B-120W	13P2600B	35,279	0.81	344.80	120	W
13P2600B-130D	13P2600B	103	0.00	344.80	130	D
13P2600B-140A	13P2600B	36,122	0.83	344.80	140	A
13P2600B-140D	13P2600B	1,839,187	42.22	344.80	140	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13P2600B-155D	13P2600B	88,236	2.03	344.80	155	D
13P2600B-185D	13P2600B	208,112	4.78	344.80	185	D
13P2600B-310D	13P2600B	157,230	3.61	344.80	310	D
13P2600B-500D	13P2600B	117,667	2.70	344.80	500	D
13P2600B-500W	13P2600B	5,406,523	124.12	344.80	500	W
13P2600B-600D	13P2600B	464,381	10.66	344.80	600	D
13P2600B-600W	13P2600B	121,999	2.80	344.80	600	W
13P2640B-120D	13P2640B	43,709	1.00	8.49	120	D
13P2640B-140D	13P2640B	216,068	4.96	8.49	140	D
13P2640B-186D	13P2640B	110,050	2.53	8.49	186	D
13P2645B-140D	13P2645B	129,479	2.97	4.14	140	D
13P2645B-186D	13P2645B	50,966	1.17	4.14	186	D
13P2646B-140D	13P2646B	298,008	6.84	8.53	140	D
13P2646B-186D	13P2646B	73,659	1.69	8.53	186	D
13P2646B_1-140D	13P2646B_1	68,745	1.58	1.58	140	D
13P2648B-120A	13P2648B	304,736	7.00	26.83	120	A
13P2648B-120D	13P2648B	81,845	1.88	26.83	120	D
13P2648B-120W	13P2648B	145	0.00	26.83	120	W
13P2648B-140A	13P2648B	2,062	0.05	26.83	140	A
13P2648B-140D	13P2648B	563,380	12.93	26.83	140	D
13P2648B-600A	13P2648B	55,460	1.27	26.83	600	A
13P2648B-600D	13P2648B	8,169	0.19	26.83	600	D
13P2648B-600W	13P2648B	73,576	1.69	26.83	600	W
13P2648B-643A	13P2648B	24,496	0.56	26.83	643	A
13P2648B-643D	13P2648B	54,641	1.25	26.83	643	D
13P2660B-120A	13P2660B	373,767	8.58	26.24	120	A
13P2660B-120D	13P2660B	88,980	2.04	26.24	120	D
13P2660B-140D	13P2660B	143,502	3.29	26.24	140	D
13P2660B-186A	13P2660B	2,404	0.06	26.24	186	A
13P2660B-430A	13P2660B	13,365	0.31	26.24	430	A
13P2660B-430D	13P2660B	110,945	2.55	26.24	430	D
13P2660B-600A	13P2660B	79,507	1.83	26.24	600	A
13P2660B-600D	13P2660B	330,564	7.59	26.24	600	D
13P2661B-120A	13P2661B	726,345	16.67	29.89	120	A
13P2661B-120D	13P2661B	83,727	1.92	29.89	120	D
13P2661B-140A	13P2661B	6,659	0.15	29.89	140	A
13P2661B-186A	13P2661B	192,239	4.41	29.89	186	A
13P2661B-430A	13P2661B	116,901	2.68	29.89	430	A
13P2661B-430D	13P2661B	515	0.01	29.89	430	D
13P2661B-600A	13P2661B	40,984	0.94	29.89	600	A
13P2661B-600D	13P2661B	134,628	3.09	29.89	600	D
13P2800B-120D	13P2800B	3,015,563	69.23	151.51	120	D
13P2800B-130A	13P2800B	9,147	0.21	151.51	130	A
13P2800B-130D	13P2800B	1,507,562	34.61	151.51	130	D
13P2800B-140D	13P2800B	813,101	18.67	151.51	140	D
13P2800B-170D	13P2800B	192,530	4.42	151.51	170	D
13P2800B-186A	13P2800B	110,657	2.54	151.51	186	A
13P2800B-186D	13P2800B	705,687	16.20	151.51	186	D
13P2800B-500D	13P2800B	199,437	4.58	151.51	500	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13P2800B-600D	13P2800B	46,258	1.06	151.51	600	D
13P2900B-120D	13P2900B	831,673	19.09	24.32	120	D
13P2900B-130D	13P2900B	204,510	4.69	24.32	130	D
13P2900B-140D	13P2900B	9,921	0.23	24.32	140	D
13P2900B-310D	13P2900B	13,274	0.30	24.32	310	D
13P3400B-140D	13P3400B	605,979	13.91	15.47	140	D
13P3400B-186D	13P3400B	607	0.01	15.47	186	D
13P3400B-430D	13P3400B	13,086	0.30	15.47	430	D
13P3400B-500D	13P3400B	54,015	1.24	15.47	500	D
13Q0500B-120D	13Q0500B	118,546	2.72	3.47	120	D
13Q0500B-140D	13Q0500B	32,647	0.75	3.47	140	D
13Q0820B-120A	13Q0820B	441	0.01	39.92	120	A
13Q0820B-120D	13Q0820B	1,415,100	32.49	39.92	120	D
13Q0820B-140D	13Q0820B	238,364	5.47	39.92	140	D
13Q0820B-186D	13Q0820B	1,588	0.04	39.92	186	D
13Q0820B-500D	13Q0820B	83,313	1.91	39.92	500	D
13Q0840B-120D	13Q0840B	191	0.00	3.11	120	D
13Q0840B-155D	13Q0840B	15,072	0.35	3.11	155	D
13Q0840B-185D	13Q0840B	2,674	0.06	3.11	185	D
13Q0840B-600D	13Q0840B	117,609	2.70	3.11	600	D
13Q0860B-120A	13Q0860B	1,800	0.04	12.66	120	A
13Q0860B-120D	13Q0860B	64,485	1.48	12.66	120	D
13Q0860B-155A	13Q0860B	33,698	0.77	12.66	155	A
13Q0860B-155D	13Q0860B	21,510	0.49	12.66	155	D
13Q0860B-185A	13Q0860B	165,503	3.80	12.66	185	A
13Q0860B-430A	13Q0860B	173,489	3.98	12.66	430	A
13Q0860B-430D	13Q0860B	59,364	1.36	12.66	430	D
13Q0860B-500A	13Q0860B	225	0.01	12.66	500	A
13Q0860B-500D	13Q0860B	31,361	0.72	12.66	500	D
13Q0861B-120A	13Q0861B	11,111	0.26	5.06	120	A
13Q0861B-120D	13Q0861B	51,374	1.18	5.06	120	D
13Q0861B-155A	13Q0861B	35,939	0.83	5.06	155	A
13Q0861B-155D	13Q0861B	62,732	1.44	5.06	155	D
13Q0861B-185A	13Q0861B	50,447	1.16	5.06	185	A
13Q0861B-185D	13Q0861B	1,013	0.02	5.06	185	D
13Q0861B-430A	13Q0861B	7,916	0.18	5.06	430	A
13Q0861B-430D	13Q0861B	34	0.00	5.06	430	D
13Q0870B-155A	13Q0870B	76,545	1.76	10.13	155	A
13Q0870B-155D	13Q0870B	280,115	6.43	10.13	155	D
13Q0870B-430D	13Q0870B	2,946	0.07	10.13	430	D
13Q0870B-500D	13Q0870B	76,062	1.75	10.13	500	D
13Q0870B-600D	13Q0870B	5,392	0.12	10.13	600	D
13Q0875B-120D	13Q0875B	197,699	4.54	5.11	120	D
13Q0875B-500D	13Q0875B	16,197	0.37	5.11	500	D
13Q0875B-600D	13Q0875B	8,651	0.20	5.11	600	D
13Q0880B-120D	13Q0880B	201,888	4.63	7.83	120	D
13Q0880B-185D	13Q0880B	138,088	3.17	7.83	185	D
13Q0880B-600D	13Q0880B	935	0.02	7.83	600	D
13Q0885B-120D	13Q0885B	354,157	8.13	9.02	120	D

Appendix B.3: Sub-basin, Land Use, and Soils Intersection Results

Sub Area ID	Basin Name	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Land Use Code	Hydrologic Soil Group
13Q0885B-140D	13Q0885B	6,428	0.15	9.02	140	D
13Q0885B-185D	13Q0885B	32,277	0.74	9.02	185	D
13Q0895B-120D	13Q0895B	857	0.02	2.78	120	D
13Q0895B-140D	13Q0895B	15	0.00	2.78	140	D
13Q0895B-185D	13Q0895B	120,009	2.76	2.78	185	D
13Q0924B-120D	13Q0924B	184,952	4.25	5.05	120	D
13Q0924B-155D	13Q0924B	1,917	0.04	5.05	155	D
13Q0924B-410D	13Q0924B	368	0.01	5.05	410	D
13Q0924B-600D	13Q0924B	32,861	0.75	5.05	600	D
13Q0940B-120D	13Q0940B	173,369	3.98	4.95	120	D
13Q0940B-155D	13Q0940B	72	0.00	4.95	155	D
13Q0940B-500D	13Q0940B	42,273	0.97	4.95	500	D
13Q1100B-120D	13Q1100B	42,135	0.97	2.21	120	D
13Q1100B-140D	13Q1100B	9,720	0.22	2.21	140	D
13Q1100B-155D	13Q1100B	34,252	0.79	2.21	155	D
13Q1100B-185D	13Q1100B	4,262	0.10	2.21	185	D
13Q1100B-600D	13Q1100B	6,032	0.14	2.21	600	D
13Q1300B-155A	13Q1300B	7,936	0.18	0.81	155	A
13Q1300B-155D	13Q1300B	27,397	0.63	0.81	155	D
13Q1600B-155A	13Q1600B	2,773	0.06	3.31	155	A
13Q1600B-155D	13Q1600B	141,433	3.25	3.31	155	D
13Q1900B-120D	13Q1900B	241,494	5.54	27.53	120	D
13Q1900B-130D	13Q1900B	102,865	2.36	27.53	130	D
13Q1900B-140A	13Q1900B	1,590	0.04	27.53	140	A
13Q1900B-140D	13Q1900B	461,045	10.58	27.53	140	D
13Q1900B-155A	13Q1900B	2,478	0.06	27.53	155	A
13Q1900B-155D	13Q1900B	16,430	0.38	27.53	155	D
13Q1900B-185A	13Q1900B	1,195	0.03	27.53	185	A
13Q1900B-185D	13Q1900B	2,996	0.07	27.53	185	D
13Q1900B-410A	13Q1900B	55,848	1.28	27.53	410	A
13Q1900B-410D	13Q1900B	242,973	5.58	27.53	410	D
13Q1900B-430A	13Q1900B	2,505	0.06	27.53	430	A
13Q1900B-430D	13Q1900B	67,959	1.56	27.53	430	D

Appendix B
Existing Condition
Pollutant Loading Calculations

B.4 Pollutant Load Curve Number Calculations

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13L0800B-120A	13L0800B	4	34.96	9.57	120	Medium Density Residential	A	39	40	3.83	20	1.91	5.74	1.91	53.8	8.60
13L0800B-120D	13L0800B	4	34.96	9.17	120	Medium Density Residential	D	80	40	3.67	20	1.83	5.50	1.83	84.5	1.83
13L0800B-130A	13L0800B	4	34.96	0.22	130	High Density Residential	A	39	70	0.15	53	0.11	0.06	0.04	60.3	6.57
13L0800B-130D	13L0800B	4	34.96	0.91	130	High Density Residential	D	80	70	0.63	53	0.48	0.27	0.15	86.5	1.56
13L0800B-140A	13L0800B	4	34.96	0.18	140	Commercial	A	39	90	0.16	85	0.15	0.02	0.01	58.7	7.05
13L0800B-140D	13L0800B	4	34.96	0.38	140	Commercial	D	80	90	0.34	85	0.32	0.04	0.02	86.0	1.63
13L0800B-186D	13L0800B	4	34.96	6.96	186	Recreational 2 (Parks w/facilities)	D	80	20	1.39	0	0.00	5.56	1.39	83.6	1.96
13L0800B-430A	13L0800B	4	34.96	1.72	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	1.72	0.00	39.0	15.64
13L0800B-500D	13L0800B	4	34.96	0.41	500	Water	D	80	100	0.41	100	0.41	0.00	0.00	98.0	0.20
13L0800B-600D	13L0800B	4	34.96	4.50	600	Wetland	D	80	0	0.00	0	0.00	4.50	0.00	80.0	2.50
13L0800B-8100D	13L0800B	4	34.96	0.96	8100	Transportation	D	80	95	0.92	90	0.87	0.05	0.05	89.0	1.24
13L0801B-120A	13L0801B	4	26.11	0.26	120	Medium Density Residential	A	39	40	0.10	20	0.05	0.15	0.05	53.8	8.60
13L0801B-120D	13L0801B	4	26.11	7.37	120	Medium Density Residential	D	80	40	2.95	20	1.47	4.42	1.47	84.5	1.83
13L0801B-130A	13L0801B	4	26.11	9.31	130	High Density Residential	A	39	70	6.52	53	4.94	2.79	1.58	60.3	6.57
13L0801B-130D	13L0801B	4	26.11	1.21	130	High Density Residential	D	80	70	0.85	53	0.64	0.36	0.21	86.5	1.56
13L0801B-140A	13L0801B	4	26.11	4.68	140	Commercial	A	39	90	4.21	85	3.98	0.47	0.23	58.7	7.05
13L0801B-140D	13L0801B	4	26.11	0.36	140	Commercial	D	80	90	0.32	85	0.30	0.04	0.02	86.0	1.63
13L0801B-186A	13L0801B	4	26.11	0.00	186	Recreational 2 (Parks w/facilities)	A	39	20	0.00	0	0.00	0.00	0.00	50.8	9.69
13L0801B-186D	13L0801B	4	26.11	2.61	186	Recreational 2 (Parks w/facilities)	D	80	20	0.52	0	0.00	2.09	0.52	83.6	1.96
13L0801B-430A	13L0801B	4	26.11	0.31	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	0.31	0.00	39.0	15.64
13L0820B-120A	13L0820B	4	24.68	0.57	120	Medium Density Residential	A	39	40	0.23	20	0.11	0.34	0.11	53.8	8.60
13L0820B-120D	13L0820B	4	24.68	7.81	120	Medium Density Residential	D	80	40	3.12	20	1.56	4.68	1.56	84.5	1.83
13L0820B-130A	13L0820B	4	24.68	2.37	130	High Density Residential	A	39	70	1.66	53	1.26	0.71	0.40	60.3	6.57
13L0820B-130D	13L0820B	4	24.68	4.67	130	High Density Residential	D	80	70	3.27	53	2.47	1.40	0.79	86.5	1.56
13L0820B-140D	13L0820B	4	24.68	4.63	140	Commercial	D	80	90	4.17	85	3.94	0.46	0.23	86.0	1.63
13L0820B-186D	13L0820B	4	24.68	3.62	186	Recreational 2 (Parks w/facilities)	D	80	20	0.72	0	0.00	2.90	0.72	83.6	1.96
13L0820B-500D	13L0820B	4	24.68	1.01	500	Water	D	80	100	1.01	100	1.01	0.00	0.00	98.0	0.20
13L1000B-120A	13L1000B	3	59.85	4.03	120	Medium Density Residential	A	39	40	1.61	20	0.81	2.42	0.81	53.8	8.60
13L1000B-120D	13L1000B	3	59.85	26.75	120	Medium Density Residential	D	80	40	10.70	20	5.35	16.05	5.35	84.5	1.83
13L1000B-182rA	13L1000B	3	59.85	1.86	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.09	0	0.00	1.77	0.09	42.0	13.84
13L1000B-182rD	13L1000B	3	59.85	5.58	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.28	0	0.00	5.30	0.28	80.9	2.36
13L1000B-186D	13L1000B	3	59.85	0.56	186	Recreational 2 (Parks w/facilities)	D	80	20	0.11	0	0.00	0.45	0.11	83.6	1.96
13L1000B-500D	13L1000B	3	59.85	0.00	500	Water	D	80	100	0.00	100	0.00	0.00	0.00	98.0	0.20
13L1000B-600D	13L1000B	3	59.85	19.91	600	Wetland	D	80	0	0.00	0	0.00	19.91	0.00	80.0	2.50
13L1000B-8100D	13L1000B	3	59.85	1.15	8100	Transportation	D	80	95	1.09	90	1.03	0.06	0.06	89.0	1.24
13L1001B-120A	13L1001B	2	8.52	0.52	120	Medium Density Residential	A	39	40	0.21	20	0.10	0.31	0.10	53.8	8.60
13L1001B-120D	13L1001B	2	8.52	5.51	120	Medium Density Residential	D	80	40	2.21	20	1.10	3.31	1.10	84.5	1.83
13L1001B-182rA	13L1001B	2	8.52	0.04	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.00	0	0.00	0.04	0.00	42.0	13.84
13L1001B-182rD	13L1001B	2	8.52	1.93	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.10	0	0.00	1.83	0.10	80.9	2.36
13L1001B-430D	13L1001B	2	8.52	0.52	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.52	0.00	80.0	2.50
13L1002B-120A	13L1002B	2	8.26	2.83	120	Medium Density Residential	A	39	40	1.13	20	0.57	1.70	0.57	53.8	8.60
13L1002B-120D	13L1002B	2	8.26	4.48	120	Medium Density Residential	D	80	40	1.79	20	0.90	2.69	0.90	84.5	1.83
13L1002B-430D	13L1002B	2	8.26	0.14	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.14	0.00	80.0	2.50
13L1002B-500D	13L1002B	2	8.26	0.80	500	Water	D	80	100	0.80	100	0.80	0.00	0.00	98.0	0.20
13L1020B-110D	13L1020B	3	26.56	0.49	110	Low Density Residential	D	80	15	0.07	0	0.00	0.42	0.07	82.7	2.09
13L1020B-120D	13L1020B	3	26.56	23.02	120	Medium Density Residential	D	80	40	9.21	20	4.60	13.81	4.60	84.5	1.83
13L1020B-130D	13L1020B	3	26.56	0.00	130	High Density Residential	D	80	70	0.00	53	0.00	0.00	0.00	86.5	1.56
13L1020B-182rD	13L1020B	3	26.56	0.00	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.00	0.00	80.9	2.36

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13L1020B-600D	13L1020B	3	26.56	3.05	600	Wetland	D	80	0	0.00	0	0.00	3.05	0.00	80.0	2.50
13L1200B-120A	13L1200B	2	44.62	0.16	120	Medium Density Residential	A	39	40	0.07	20	0.03	0.10	0.03	53.8	8.60
13L1200B-120D	13L1200B	2	44.62	28.92	120	Medium Density Residential	D	80	40	11.57	20	5.78	17.35	5.78	84.5	1.83
13L1200B-182rA	13L1200B	2	44.62	0.01	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.00	0	0.00	0.01	0.00	42.0	13.84
13L1200B-182rD	13L1200B	2	44.62	7.14	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.36	0	0.00	6.79	0.36	80.9	2.36
13L1200B-430A	13L1200B	2	44.62	0.27	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	0.27	0.00	39.0	15.64
13L1200B-430D	13L1200B	2	44.62	5.69	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	5.69	0.00	80.0	2.50
13L1200B-500D	13L1200B	2	44.62	0.00	500	Water	D	80	100	0.00	100	0.00	0.00	0.00	98.0	0.20
13L1200B-600D	13L1200B	2	44.62	2.42	600	Wetland	D	80	0	0.00	0	0.00	2.42	0.00	80.0	2.50
13L1201B-120A	13L1201B	2	10.96	6.14	120	Medium Density Residential	A	39	40	2.46	20	1.23	3.69	1.23	53.8	8.60
13L1201B-120D	13L1201B	2	10.96	0.90	120	Medium Density Residential	D	80	40	0.36	20	0.18	0.54	0.18	84.5	1.83
13L1201B-182rA	13L1201B	2	10.96	1.23	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.06	0	0.00	1.17	0.06	42.0	13.84
13L1201B-182rD	13L1201B	2	10.96	2.69	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.13	0	0.00	2.55	0.13	80.9	2.36
13L1202B-120A	13L1202B	2	13.51	2.26	120	Medium Density Residential	A	39	40	0.90	20	0.45	1.36	0.45	53.8	8.60
13L1202B-120D	13L1202B	2	13.51	4.56	120	Medium Density Residential	D	80	40	1.82	20	0.91	2.74	0.91	84.5	1.83
13L1202B-182rA	13L1202B	2	13.51	5.66	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.28	0	0.00	5.38	0.28	42.0	13.84
13L1202B-182rD	13L1202B	2	13.51	1.03	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.05	0	0.00	0.98	0.05	80.9	2.36
13L1203B-120A	13L1203B	2	1.48	0.00	120	Medium Density Residential	A	39	40	0.00	20	0.00	0.00	0.00	53.8	8.60
13L1203B-120D	13L1203B	2	1.48	1.37	120	Medium Density Residential	D	80	40	0.55	20	0.27	0.82	0.27	84.5	1.83
13L1203B-182rA	13L1203B	2	1.48	0.02	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.00	0	0.00	0.02	0.00	42.0	13.84
13L1203B-182rD	13L1203B	2	1.48	0.08	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.08	0.00	80.9	2.36
13L1700B-120A	13L1700B	1	30.34	2.12	120	Medium Density Residential	A	39	40	0.85	20	0.42	1.27	0.42	53.8	8.60
13L1700B-120D	13L1700B	1	30.34	26.69	120	Medium Density Residential	D	80	40	10.68	20	5.34	16.01	5.34	84.5	1.83
13L1700B-182rD	13L1700B	1	30.34	1.47	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.07	0	0.00	1.40	0.07	80.9	2.36
13L1700B-500D	13L1700B	1	30.34	0.06	500	Water	D	80	100	0.06	100	0.06	0.00	0.00	98.0	0.20
13L1825B-120D	13L1825B	1	4.03	0.63	120	Medium Density Residential	D	80	40	0.25	20	0.13	0.38	0.13	84.5	1.83
13L1825B-182rD	13L1825B	1	4.03	2.51	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.13	0	0.00	2.38	0.13	80.9	2.36
13L1825B-500D	13L1825B	1	4.03	0.32	500	Water	D	80	100	0.32	100	0.32	0.00	0.00	98.0	0.20
13L1825B-600D	13L1825B	1	4.03	0.57	600	Wetland	D	80	0	0.00	0	0.00	0.57	0.00	80.0	2.50
13L1829B-120D	13L1829B	1	19.68	2.37	120	Medium Density Residential	D	80	40	0.95	20	0.47	1.42	0.47	84.5	1.83
13L1829B-170D	13L1829B	1	19.68	17.31	170	Institutional	D	80	35	6.06	25	4.33	11.25	1.73	82.4	2.14
13L1875B-120D	13L1875B	1	43.30	8.29	120	Medium Density Residential	D	80	40	3.32	20	1.66	4.98	1.66	84.5	1.83
13L1875B-170D	13L1875B	1	43.30	5.45	170	Institutional	D	80	35	1.91	25	1.36	3.54	0.54	82.4	2.14
13L1875B-182rD	13L1875B	1	43.30	0.89	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.04	0	0.00	0.84	0.04	80.9	2.36
13L1875B-600D	13L1875B	1	43.30	28.67	600	Wetland	D	80	0	0.00	0	0.00	28.67	0.00	80.0	2.50
13L1876B-120D	13L1876B	1	66.80	49.18	120	Medium Density Residential	D	80	40	19.67	20	9.84	29.51	9.84	84.5	1.83
13L1876B-130D	13L1876B	1	66.80	3.02	130	High Density Residential	D	80	70	2.12	53	1.60	0.91	0.51	86.5	1.56
13L1876B-140D	13L1876B	1	66.80	9.97	140	Commercial	D	80	90	8.97	85	8.47	1.00	0.50	86.0	1.63
13L1876B-155D	13L1876B	1	66.80	1.13	155	Industrial	D	80	30	0.34	0	0.00	0.79	0.34	85.4	1.71
13L1876B-186D	13L1876B	1	66.80	3.50	186	Recreational 2 (Parks w/facilities)	D	80	20	0.70	0	0.00	2.80	0.70	83.6	1.96
13L1877B-120D	13L1877B	1	31.88	31.88	120	Medium Density Residential	D	80	40	12.75	20	6.38	19.13	6.38	84.5	1.83
13L1878B-120D	13L1878B	1	17.93	17.93	120	Medium Density Residential	D	80	40	7.17	20	3.59	10.76	3.59	84.5	1.83
13L1885B-120D	13L1885B	1	27.22	18.72	120	Medium Density Residential	D	80	40	7.49	20	3.74	11.23	3.74	84.5	1.83
13L1885B-170D	13L1885B	1	27.22	5.99	170	Institutional	D	80	35	2.10	25	1.50	3.89	0.60	82.4	2.14
13L1885B-182rD	13L1885B	1	27.22	1.88	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.09	0	0.00	1.78	0.09	80.9	2.36
13L1885B-600D	13L1885B	1	27.22	0.63	600	Wetland	D	80	0	0.00	0	0.00	0.63	0.00	80.0	2.50
13L1895B-120D	13L1895B	1	7.07	4.07	120	Medium Density Residential	D	80	40	1.63	20	0.81	2.44	0.81	84.5	1.83
13L1895B-600D	13L1895B	1	7.07	2.99	600	Wetland	D	80	0	0.00	0	0.00	2.99	0.00	80.0	2.50

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13L1950B-120D	13L1950B	1	53.28	9.29	120	Medium Density Residential	D	80	40	3.72	20	1.86	5.57	1.86	84.5	1.83
13L1950B-182rD	13L1950B	1	53.28	4.32	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.22	0	0.00	4.10	0.22	80.9	2.36
13L1950B-600D	13L1950B	1	53.28	39.67	600	Wetland	D	80	0	0.00	0	0.00	39.67	0.00	80.0	2.50
13L1951B-120D	13L1951B	1	4.79	2.32	120	Medium Density Residential	D	80	40	0.93	20	0.46	1.39	0.46	84.5	1.83
13L1951B-182rD	13L1951B	1	4.79	1.97	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.10	0	0.00	1.87	0.10	80.9	2.36
13L1951B-600D	13L1951B	1	4.79	0.50	600	Wetland	D	80	0	0.00	0	0.00	0.50	0.00	80.0	2.50
13L1952B-120D	13L1952B	1	59.75	48.74	120	Medium Density Residential	D	80	40	19.50	20	9.75	29.24	9.75	84.5	1.83
13L1952B-140D	13L1952B	1	59.75	10.08	140	Commercial	D	80	90	9.07	85	8.57	1.01	0.50	86.0	1.63
13L1952B-186D	13L1952B	1	59.75	0.93	186	Recreational 2 (Parks w/facilities)	D	80	20	0.19	0	0.00	0.75	0.19	83.6	1.96
13L1975B-120D	13L1975B	1	15.87	3.68	120	Medium Density Residential	D	80	40	1.47	20	0.74	2.21	0.74	84.5	1.83
13L1975B-182rD	13L1975B	1	15.87	5.81	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.29	0	0.00	5.52	0.29	80.9	2.36
13L1975B-600D	13L1975B	1	15.87	6.39	600	Wetland	D	80	0	0.00	0	0.00	6.39	0.00	80.0	2.50
13L2050B-120D	13L2050B	1	15.86	3.47	120	Medium Density Residential	D	80	40	1.39	20	0.69	2.08	0.69	84.5	1.83
13L2050B-182rD	13L2050B	1	15.86	2.56	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.13	0	0.00	2.43	0.13	80.9	2.36
13L2050B-600D	13L2050B	1	15.86	9.84	600	Wetland	D	80	0	0.00	0	0.00	9.84	0.00	80.0	2.50
13L2051B-120D	13L2051B	1	10.39	10.39	120	Medium Density Residential	D	80	40	4.15	20	2.08	6.23	2.08	84.5	1.83
13L2052B-120D	13L2052B	1	9.25	9.25	120	Medium Density Residential	D	80	40	3.70	20	1.85	5.55	1.85	84.5	1.83
13L2053B-120D	13L2053B	1	29.24	28.61	120	Medium Density Residential	D	80	40	11.44	20	5.72	17.16	5.72	84.5	1.83
13L2053B-140D	13L2053B	1	29.24	0.63	140	Commercial	D	80	90	0.57	85	0.53	0.06	0.03	86.0	1.63
13L2151B-120D	13L2151B	1	4.50	4.50	120	Medium Density Residential	D	80	40	1.80	20	0.90	2.70	0.90	84.5	1.83
13L2152B-120D	13L2152B	1	19.49	19.49	120	Medium Density Residential	D	80	40	7.79	20	3.90	11.69	3.90	84.5	1.83
13L2300B-120D	13L2300B	1	3.10	2.48	120	Medium Density Residential	D	80	40	0.99	20	0.50	1.49	0.50	84.5	1.83
13L2300B-500D	13L2300B	1	3.10	0.62	500	Water	D	80	100	0.62	100	0.62	0.00	0.00	98.0	0.20
13L2400B-120D	13L2400B	1	4.27	4.27	120	Medium Density Residential	D	80	40	1.71	20	0.85	2.56	0.85	84.5	1.83
13L2500B-120D	13L2500B	1	18.73	3.02	120	Medium Density Residential	D	80	40	1.21	20	0.60	1.81	0.60	84.5	1.83
13L2500B-130D	13L2500B	1	18.73	2.90	130	High Density Residential	D	80	70	2.03	53	1.54	0.87	0.49	86.5	1.56
13L2500B-140A	13L2500B	1	18.73	0.40	140	Commercial	A	39	90	0.36	85	0.34	0.04	0.02	58.7	7.05
13L2500B-140D	13L2500B	1	18.73	2.41	140	Commercial	D	80	90	2.17	85	2.05	0.24	0.12	86.0	1.63
13L2500B-182rD	13L2500B	1	18.73	0.09	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.09	0.00	80.9	2.36
13L2500B-186A	13L2500B	1	18.73	0.49	186	Recreational 2 (Parks w/facilities)	A	39	20	0.10	0	0.00	0.39	0.10	50.8	9.69
13L2500B-186D	13L2500B	1	18.73	1.46	186	Recreational 2 (Parks w/facilities)	D	80	20	0.29	0	0.00	1.17	0.29	83.6	1.96
13L2500B-190D	13L2500B	1	18.73	0.25	190	Open Land	D	80	0	0.00	0	0.00	0.25	0.00	80.0	2.50
13L2500B-600D	13L2500B	1	18.73	7.70	600	Wetland	D	80	0	0.00	0	0.00	7.70	0.00	80.0	2.50
13L2520B-120A	13L2520B	1	17.24	1.09	120	Medium Density Residential	A	39	40	0.44	20	0.22	0.65	0.22	53.8	8.60
13L2520B-120D	13L2520B	1	17.24	1.16	120	Medium Density Residential	D	80	40	0.46	20	0.23	0.69	0.23	84.5	1.83
13L2520B-130A	13L2520B	1	17.24	14.50	130	High Density Residential	A	39	70	10.15	53	7.68	4.35	2.46	60.3	6.57
13L2520B-130D	13L2520B	1	17.24	0.42	130	High Density Residential	D	80	70	0.29	53	0.22	0.13	0.07	86.5	1.56
13L2520B-140A	13L2520B	1	17.24	0.01	140	Commercial	A	39	90	0.01	85	0.01	0.00	0.00	58.7	7.05
13L2520B-600D	13L2520B	1	17.24	0.07	600	Wetland	D	80	0	0.00	0	0.00	0.07	0.00	80.0	2.50
13L2540B-130A	13L2540B	1	4.19	0.01	130	High Density Residential	A	39	70	0.00	53	0.00	0.00	0.00	60.3	6.57
13L2540B-130D	13L2540B	1	4.19	0.04	130	High Density Residential	D	80	70	0.03	53	0.02	0.01	0.01	86.5	1.56
13L2540B-140A	13L2540B	1	4.19	0.39	140	Commercial	A	39	90	0.35	85	0.33	0.04	0.02	58.7	7.05
13L2540B-140D	13L2540B	1	4.19	3.74	140	Commercial	D	80	90	3.36	85	3.18	0.37	0.19	86.0	1.63
13L2540B-600D	13L2540B	1	4.19	0.02	600	Wetland	D	80	0	0.00	0	0.00	0.02	0.00	80.0	2.50
13L2560B-130A	13L2560B	1	14.34	0.10	130	High Density Residential	A	39	70	0.07	53	0.05	0.03	0.02	60.3	6.57
13L2560B-140A	13L2560B	1	14.34	13.48	140	Commercial	A	39	90	12.13	85	11.46	1.35	0.67	58.7	7.05
13L2560B-140D	13L2560B	1	14.34	0.73	140	Commercial	D	80	90	0.66	85	0.62	0.07	0.04	86.0	1.63
13L2560B-186A	13L2560B	1	14.34	0.02	186	Recreational 2 (Parks w/facilities)	A	39	20	0.00	0	0.00	0.02	0.00	50.8	9.69

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13L2560B-186D	13L2560B	1	14.34	0.01	186	Recreational 2 (Parks w/facilities)	D	80	20	0.00	0	0.00	0.01	0.00	83.6	1.96
13L2700B-120D	13L2700B	1	5.32	0.40	120	Medium Density Residential	D	80	40	0.16	20	0.08	0.24	0.08	84.5	1.83
13L2700B-130D	13L2700B	1	5.32	3.11	130	High Density Residential	D	80	70	2.18	53	1.65	0.93	0.53	86.5	1.56
13L2700B-140D	13L2700B	1	5.32	0.34	140	Commercial	D	80	90	0.31	85	0.29	0.03	0.02	86.0	1.63
13L2700B-186D	13L2700B	1	5.32	0.00	186	Recreational 2 (Parks w/facilities)	D	80	20	0.00	0	0.00	0.00	0.00	83.6	1.96
13L2700B-190D	13L2700B	1	5.32	0.00	190	Open Land	D	80	0	0.00	0	0.00	0.00	0.00	80.0	2.50
13L2700B-430D	13L2700B	1	5.32	0.84	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.84	0.00	80.0	2.50
13L2700B-500D	13L2700B	1	5.32	0.61	500	Water	D	80	100	0.61	100	0.61	0.00	0.00	98.0	0.20
13L2720B-120D	13L2720B	1	5.27	5.00	120	Medium Density Residential	D	80	40	2.00	20	1.00	3.00	1.00	84.5	1.83
13L2720B-130D	13L2720B	1	5.27	0.01	130	High Density Residential	D	80	70	0.01	53	0.00	0.00	0.00	86.5	1.56
13L2720B-182rD	13L2720B	1	5.27	0.26	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.01	0	0.00	0.25	0.01	80.9	2.36
13L2750B-140A	13L2750B	1	29.09	0.18	140	Commercial	A	39	90	0.16	85	0.15	0.02	0.01	58.7	7.05
13L2750B-140D	13L2750B	1	29.09	20.78	140	Commercial	D	80	90	18.70	85	17.66	2.08	1.04	86.0	1.63
13L2750B-186D	13L2750B	1	29.09	0.22	186	Recreational 2 (Parks w/facilities)	D	80	20	0.04	0	0.00	0.17	0.04	83.6	1.96
13L2750B-190D	13L2750B	1	29.09	2.53	190	Open Land	D	80	0	0.00	0	0.00	2.53	0.00	80.0	2.50
13L2750B-430D	13L2750B	1	29.09	2.53	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	2.53	0.00	80.0	2.50
13L2750B-500D	13L2750B	1	29.09	2.67	500	Water	D	80	100	2.67	100	2.67	0.00	0.00	98.0	0.20
13L2750B-600D	13L2750B	1	29.09	0.19	600	Wetland	D	80	0	0.00	0	0.00	0.19	0.00	80.0	2.50
13L3000B-120D	13L3000B	1	1.63	0.01	120	Medium Density Residential	D	80	40	0.00	20	0.00	0.00	0.00	84.5	1.83
13L3000B-130D	13L3000B	1	1.63	1.36	130	High Density Residential	D	80	70	0.95	53	0.72	0.41	0.23	86.5	1.56
13L3000B-140D	13L3000B	1	1.63	0.04	140	Commercial	D	80	90	0.03	85	0.03	0.00	0.00	86.0	1.63
13L3000B-500D	13L3000B	1	1.63	0.23	500	Water	D	80	100	0.23	100	0.23	0.00	0.00	98.0	0.20
13L3140B-120A	13L3140B	1	38.14	0.01	120	Medium Density Residential	A	39	40	0.00	20	0.00	0.01	0.00	53.8	8.60
13L3140B-120D	13L3140B	1	38.14	0.83	120	Medium Density Residential	D	80	40	0.33	20	0.17	0.50	0.17	84.5	1.83
13L3140B-130A	13L3140B	1	38.14	0.30	130	High Density Residential	A	39	70	0.21	53	0.16	0.09	0.05	60.3	6.57
13L3140B-140A	13L3140B	1	38.14	4.93	140	Commercial	A	39	90	4.44	85	4.19	0.49	0.25	58.7	7.05
13L3140B-140D	13L3140B	1	38.14	18.50	140	Commercial	D	80	90	16.65	85	15.72	1.85	0.92	86.0	1.63
13L3140B-186A	13L3140B	1	38.14	0.24	186	Recreational 2 (Parks w/facilities)	A	39	20	0.05	0	0.00	0.19	0.05	50.8	9.69
13L3140B-186D	13L3140B	1	38.14	5.78	186	Recreational 2 (Parks w/facilities)	D	80	20	1.16	0	0.00	4.62	1.16	83.6	1.96
13L3140B-430A	13L3140B	1	38.14	2.23	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	2.23	0.00	39.0	15.64
13L3140B-430D	13L3140B	1	38.14	0.16	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.16	0.00	80.0	2.50
13L3140B-600D	13L3140B	1	38.14	5.16	600	Wetland	D	80	0	0.00	0	0.00	5.16	0.00	80.0	2.50
13N0050B-120A	13N0050B	3	13.33	4.23	120	Medium Density Residential	A	39	40	1.69	20	0.85	2.54	0.85	53.8	8.60
13N0050B-120D	13N0050B	3	13.33	7.38	120	Medium Density Residential	D	80	40	2.95	20	1.48	4.43	1.48	84.5	1.83
13N0050B-182rA	13N0050B	3	13.33	0.03	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.00	0	0.00	0.03	0.00	42.0	13.84
13N0050B-182rD	13N0050B	3	13.33	0.09	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.09	0.00	80.9	2.36
13N0050B-500A	13N0050B	3	13.33	0.55	500	Water	A	39	100	0.55	100	0.55	0.00	0.00	98.0	0.20
13N0050B-500D	13N0050B	3	13.33	0.89	500	Water	D	80	100	0.89	100	0.89	0.00	0.00	98.0	0.20
13N0050B-600A	13N0050B	3	13.33	0.00	600	Wetland	A	39	0	0.00	0	0.00	0.00	0.00	39.0	15.64
13N0050B-600D	13N0050B	3	13.33	0.16	600	Wetland	D	80	0	0.00	0	0.00	0.16	0.00	80.0	2.50
13N0100B-120A	13N0100B	3	15.62	3.68	120	Medium Density Residential	A	39	40	1.47	20	0.74	2.21	0.74	53.8	8.60
13N0100B-120D	13N0100B	3	15.62	10.12	120	Medium Density Residential	D	80	40	4.05	20	2.02	6.07	2.02	84.5	1.83
13N0100B-500A	13N0100B	3	15.62	0.37	500	Water	A	39	100	0.37	100	0.37	0.00	0.00	98.0	0.20
13N0100B-500D	13N0100B	3	15.62	1.39	500	Water	D	80	100	1.39	100	1.39	0.00	0.00	98.0	0.20
13N0100B-600D	13N0100B	3	15.62	0.05	600	Wetland	D	80	0	0.00	0	0.00	0.05	0.00	80.0	2.50
13N0200B-120D	13N0200B	3	3.54	0.93	120	Medium Density Residential	D	80	40	0.37	20	0.19	0.56	0.19	84.5	1.83
13N0200B-600D	13N0200B	3	3.54	2.61	600	Wetland	D	80	0	0.00	0	0.00	2.61	0.00	80.0	2.50
13N0200B2-120A	13N0200B2	3	37.10	2.07	120	Medium Density Residential	A	39	40	0.83	20	0.41	1.24	0.41	53.8	8.60

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13N0200B2-120D	13N0200B2	3	37.10	13.64	120	Medium Density Residential	D	80	40	5.46	20	2.73	8.19	2.73	84.5	1.83
13N0200B2-120W	13N0200B2	3	37.10	0.00	120	Medium Density Residential	W	98	40	0.00	20	0.00	0.00	0.00	98.0	0.20
13N0200B2-500D	13N0200B2	3	37.10	0.28	500	Water	D	80	100	0.28	100	0.28	0.00	0.00	98.0	0.20
13N0200B2-500W	13N0200B2	3	37.10	9.81	500	Water	W	98	100	9.81	100	9.81	0.00	0.00	98.0	0.20
13N0200B2-600D	13N0200B2	3	37.10	8.98	600	Wetland	D	80	0	0.00	0	0.00	8.98	0.00	80.0	2.50
13N0200B2-600W	13N0200B2	3	37.10	2.24	600	Wetland	W	98	0	0.00	0	0.00	2.24	0.00	98.0	0.20
13N0200B2-8100D	13N0200B2	3	37.10	0.09	8100	Transportation	D	80	95	0.08	90	0.08	0.00	0.00	89.0	1.24
13N0201B-120A	13N0201B	3	9.36	7.65	120	Medium Density Residential	A	39	40	3.06	20	1.53	4.59	1.53	53.8	8.60
13N0201B-120D	13N0201B	3	9.36	0.04	120	Medium Density Residential	D	80	40	0.02	20	0.01	0.03	0.01	84.5	1.83
13N0201B-130A	13N0201B	3	9.36	0.02	130	High Density Residential	A	39	70	0.02	53	0.01	0.01	0.00	60.3	6.57
13N0201B-186A	13N0201B	3	9.36	0.25	186	Recreational 2 (Parks w/facilities)	A	39	20	0.05	0	0.00	0.20	0.05	50.8	9.69
13N0201B-186D	13N0201B	3	9.36	1.39	186	Recreational 2 (Parks w/facilities)	D	80	20	0.28	0	0.00	1.11	0.28	83.6	1.96
13N0301B-120A	13N0301B	3	14.38	1.50	120	Medium Density Residential	A	39	40	0.60	20	0.30	0.90	0.30	53.8	8.60
13N0301B-120D	13N0301B	3	14.38	9.15	120	Medium Density Residential	D	80	40	3.66	20	1.83	5.49	1.83	84.5	1.83
13N0301B-182rA	13N0301B	3	14.38	0.56	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.03	0	0.00	0.53	0.03	42.0	13.84
13N0301B-182rD	13N0301B	3	14.38	3.17	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.16	0	0.00	3.01	0.16	80.9	2.36
13N0302B-120A	13N0302B	3	23.30	0.04	120	Medium Density Residential	A	39	40	0.02	20	0.01	0.03	0.01	53.8	8.60
13N0302B-120D	13N0302B	3	23.30	15.37	120	Medium Density Residential	D	80	40	6.15	20	3.07	9.22	3.07	84.5	1.83
13N0302B-182rD	13N0302B	3	23.30	7.89	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.39	0	0.00	7.49	0.39	80.9	2.36
13N0600B-120A	13N0600B	3	30.83	2.96	120	Medium Density Residential	A	39	40	1.18	20	0.59	1.77	0.59	53.8	8.60
13N0600B-120D	13N0600B	3	30.83	25.39	120	Medium Density Residential	D	80	40	10.16	20	5.08	15.24	5.08	84.5	1.83
13N0600B-430D	13N0600B	3	30.83	2.39	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	2.39	0.00	80.0	2.50
13N0600B-600A	13N0600B	3	30.83	0.09	600	Wetland	A	39	0	0.00	0	0.00	0.09	0.00	39.0	15.64
13N0600B-600D	13N0600B	3	30.83	0.01	600	Wetland	D	80	0	0.00	0	0.00	0.01	0.00	80.0	2.50
13N0650B-120D	13N0650B	3	42.38	25.37	120	Medium Density Residential	D	80	40	10.15	20	5.07	15.22	5.07	84.5	1.83
13N0650B-430D	13N0650B	3	42.38	8.43	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	8.43	0.00	80.0	2.50
13N0650B-500D	13N0650B	3	42.38	0.00	500	Water	D	80	100	0.00	100	0.00	0.00	0.00	98.0	0.20
13N0650B-500W	13N0650B	3	42.38	4.75	500	Water	W	98	100	4.75	100	4.75	0.00	0.00	98.0	0.20
13N0650B-600D	13N0650B	3	42.38	2.14	600	Wetland	D	80	0	0.00	0	0.00	2.14	0.00	80.0	2.50
13N0650B-600W	13N0650B	3	42.38	1.69	600	Wetland	W	98	0	0.00	0	0.00	1.69	0.00	98.0	0.20
13N0700B-120A	13N0700B	3	4.62	0.03	120	Medium Density Residential	A	39	40	0.01	20	0.01	0.02	0.01	53.8	8.60
13N0700B-120D	13N0700B	3	4.62	0.51	120	Medium Density Residential	D	80	40	0.20	20	0.10	0.31	0.10	84.5	1.83
13N0700B-500D	13N0700B	3	4.62	0.01	500	Water	D	80	100	0.01	100	0.01	0.00	0.00	98.0	0.20
13N0700B-600A	13N0700B	3	4.62	0.40	600	Wetland	A	39	0	0.00	0	0.00	0.40	0.00	39.0	15.64
13N0700B-600D	13N0700B	3	4.62	3.67	600	Wetland	D	80	0	0.00	0	0.00	3.67	0.00	80.0	2.50
13N0700B2-120A	13N0700B2	6	100.06	28.67	120	Medium Density Residential	A	39	40	11.47	20	5.73	17.20	5.73	53.8	8.60
13N0700B2-120D	13N0700B2	6	100.06	12.89	120	Medium Density Residential	D	80	40	5.16	20	2.58	7.73	2.58	84.5	1.83
13N0700B2-120W	13N0700B2	6	100.06	0.22	120	Medium Density Residential	W	98	40	0.09	20	0.04	0.13	0.04	98.0	0.20
13N0700B2-140A	13N0700B2	6	100.06	5.34	140	Commercial	A	39	90	4.81	85	4.54	0.53	0.27	58.7	7.05
13N0700B2-140D	13N0700B2	6	100.06	0.20	140	Commercial	D	80	90	0.18	85	0.17	0.02	0.01	86.0	1.63
13N0700B2-186A	13N0700B2	6	100.06	1.83	186	Recreational 2 (Parks w/facilities)	A	39	20	0.37	0	0.00	1.46	0.37	50.8	9.69
13N0700B2-186D	13N0700B2	6	100.06	0.12	186	Recreational 2 (Parks w/facilities)	D	80	20	0.02	0	0.00	0.09	0.02	83.6	1.96
13N0700B2-430A	13N0700B2	6	100.06	10.63	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	10.63	0.00	39.0	15.64
13N0700B2-430D	13N0700B2	6	100.06	4.39	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	4.39	0.00	80.0	2.50
13N0700B2-430W	13N0700B2	6	100.06	0.32	430	Upland Mixed Forest	W	98	0	0.00	0	0.00	0.32	0.00	98.0	0.20
13N0700B2-500A	13N0700B2	6	100.06	0.24	500	Water	A	39	100	0.24	100	0.24	0.00	0.00	98.0	0.20
13N0700B2-500D	13N0700B2	6	100.06	0.26	500	Water	D	80	100	0.26	100	0.26	0.00	0.00	98.0	0.20
13N0700B2-500W	13N0700B2	6	100.06	15.38	500	Water	W	98	100	15.38	100	15.38	0.00	0.00	98.0	0.20

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13N0700B2-600A	13N0700B2	6	100.06	2.64	600	Wetland	A	39	0	0.00	0	0.00	2.64	0.00	39.0	15.64
13N0700B2-600D	13N0700B2	6	100.06	11.52	600	Wetland	D	80	0	0.00	0	0.00	11.52	0.00	80.0	2.50
13N0700B2-600W	13N0700B2	6	100.06	5.40	600	Wetland	W	98	0	0.00	0	0.00	5.40	0.00	98.0	0.20
13N0701B-120A	13N0701B	6	24.58	2.29	120	Medium Density Residential	A	39	40	0.92	20	0.46	1.37	0.46	53.8	8.60
13N0701B-120D	13N0701B	6	24.58	15.69	120	Medium Density Residential	D	80	40	6.27	20	3.14	9.41	3.14	84.5	1.83
13N0701B-185A	13N0701B	6	24.58	2.04	185	Recreational 1 (Parks w/little impervious)	A	39	5	0.10	0	0.00	1.94	0.10	42.0	13.84
13N0701B-185D	13N0701B	6	24.58	4.56	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.23	0	0.00	4.34	0.23	80.9	2.36
13N0701B2-120A	13N0701B2	6	4.91	0.01	120	Medium Density Residential	A	39	40	0.01	20	0.00	0.01	0.00	53.8	8.60
13N0701B2-120D	13N0701B2	6	4.91	4.90	120	Medium Density Residential	D	80	40	1.96	20	0.98	2.94	0.98	84.5	1.83
13N0701B3-120A	13N0701B3	6	2.43	2.34	120	Medium Density Residential	A	39	40	0.94	20	0.47	1.40	0.47	53.8	8.60
13N0701B3-120D	13N0701B3	6	2.43	0.09	120	Medium Density Residential	D	80	40	0.04	20	0.02	0.06	0.02	84.5	1.83
13N0702B2-120A	13N0702B2	6	3.64	0.00	120	Medium Density Residential	A	39	40	0.00	20	0.00	0.00	0.00	53.8	8.60
13N0702B2-120D	13N0702B2	6	3.64	0.01	120	Medium Density Residential	D	80	40	0.00	20	0.00	0.00	0.00	84.5	1.83
13N0702B2-140A	13N0702B2	6	3.64	0.19	140	Commercial	A	39	90	0.17	85	0.16	0.02	0.01	58.7	7.05
13N0702B2-140D	13N0702B2	6	3.64	2.97	140	Commercial	D	80	90	2.67	85	2.52	0.30	0.15	86.0	1.63
13N0702B2-186A	13N0702B2	6	3.64	0.01	186	Recreational 2 (Parks w/facilities)	A	39	20	0.00	0	0.00	0.01	0.00	50.8	9.69
13N0702B2-186D	13N0702B2	6	3.64	0.39	186	Recreational 2 (Parks w/facilities)	D	80	20	0.08	0	0.00	0.32	0.08	83.6	1.96
13N0702B2-430A	13N0702B2	6	3.64	0.06	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	0.06	0.00	39.0	15.64
13N0702B2-430D	13N0702B2	6	3.64	0.00	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.00	0.00	80.0	2.50
13N0710B-120D	13N0710B	6	11.04	10.18	120	Medium Density Residential	D	80	40	4.07	20	2.04	6.11	2.04	84.5	1.83
13N0710B-600D	13N0710B	6	11.04	0.86	600	Wetland	D	80	0	0.00	0	0.00	0.86	0.00	80.0	2.50
13N0720B-120D	13N0720B	6	7.91	7.91	120	Medium Density Residential	D	80	40	3.16	20	1.58	4.74	1.58	84.5	1.83
13N0720B-600D	13N0720B	6	7.91	0.00	600	Wetland	D	80	0	0.00	0	0.00	0.00	0.00	80.0	2.50
13N0730B-120D	13N0730B	6	18.84	18.84	120	Medium Density Residential	D	80	40	7.54	20	3.77	11.30	3.77	84.5	1.83
13N0740B-120D	13N0740B	6	12.40	12.40	120	Medium Density Residential	D	80	40	4.96	20	2.48	7.44	2.48	84.5	1.83
13N0750B-120D	13N0750B	6	3.46	2.80	120	Medium Density Residential	D	80	40	1.12	20	0.56	1.68	0.56	84.5	1.83
13N0750B-600D	13N0750B	6	3.46	0.66	600	Wetland	D	80	0	0.00	0	0.00	0.66	0.00	80.0	2.50
13N0751B-120D	13N0751B	6	45.47	45.47	120	Medium Density Residential	D	80	40	18.19	20	9.09	27.28	9.09	84.5	1.83
13N0752B-120D	13N0752B	6	8.01	7.15	120	Medium Density Residential	D	80	40	2.86	20	1.43	4.29	1.43	84.5	1.83
13N0752B-185D	13N0752B	6	8.01	0.86	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.04	0	0.00	0.81	0.04	80.9	2.36
13N0800B-120A	13N0800B	3	4.87	0.07	120	Medium Density Residential	A	39	40	0.03	20	0.01	0.04	0.01	53.8	8.60
13N0800B-120D	13N0800B	3	4.87	4.04	120	Medium Density Residential	D	80	40	1.62	20	0.81	2.43	0.81	84.5	1.83
13N0800B-500D	13N0800B	3	4.87	0.63	500	Water	D	80	100	0.63	100	0.63	0.00	0.00	98.0	0.20
13N0800B-600A	13N0800B	3	4.87	0.00	600	Wetland	A	39	0	0.00	0	0.00	0.00	0.00	39.0	15.64
13N0800B-600D	13N0800B	3	4.87	0.12	600	Wetland	D	80	0	0.00	0	0.00	0.12	0.00	80.0	2.50
13N0850B-120D	13N0850B	3	4.54	1.66	120	Medium Density Residential	D	80	40	0.66	20	0.33	1.00	0.33	84.5	1.83
13N0850B-120W	13N0850B	3	4.54	0.00	120	Medium Density Residential	W	98	40	0.00	20	0.00	0.00	0.00	98.0	0.20
13N0850B-500W	13N0850B	3	4.54	1.23	500	Water	W	98	100	1.23	100	1.23	0.00	0.00	98.0	0.20
13N0850B-600D	13N0850B	3	4.54	0.29	600	Wetland	D	80	0	0.00	0	0.00	0.29	0.00	80.0	2.50
13N0850B-600W	13N0850B	3	4.54	1.35	600	Wetland	W	98	0	0.00	0	0.00	1.35	0.00	98.0	0.20
13N0900B-120A	13N0900B	3	7.37	0.90	120	Medium Density Residential	A	39	40	0.36	20	0.18	0.54	0.18	53.8	8.60
13N0900B-120D	13N0900B	3	7.37	5.56	120	Medium Density Residential	D	80	40	2.22	20	1.11	3.33	1.11	84.5	1.83
13N0900B-500D	13N0900B	3	7.37	0.91	500	Water	D	80	100	0.91	100	0.91	0.00	0.00	98.0	0.20
13N0900B-600D	13N0900B	3	7.37	0.01	600	Wetland	D	80	0	0.00	0	0.00	0.01	0.00	80.0	2.50
13P0200B-120A	13P0200B	3	10.73	1.16	120	Medium Density Residential	A	39	40	0.46	20	0.23	0.70	0.23	53.8	8.60
13P0200B-120D	13P0200B	3	10.73	9.30	120	Medium Density Residential	D	80	40	3.72	20	1.86	5.58	1.86	84.5	1.83
13P0200B-182rD	13P0200B	3	10.73	0.28	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.01	0	0.00	0.27	0.01	80.9	2.36
13P0400B-120A	13P0400B	3	2.11	0.06	120	Medium Density Residential	A	39	40	0.02	20	0.01	0.03	0.01	53.8	8.60

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13P0400B-120D	13P0400B	3	2.11	0.68	120	Medium Density Residential	D	80	40	0.27	20	0.14	0.41	0.14	84.5	1.83
13P0400B-182rA	13P0400B	3	2.11	0.42	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.02	0	0.00	0.40	0.02	42.0	13.84
13P0400B-182rD	13P0400B	3	2.11	0.96	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.05	0	0.00	0.91	0.05	80.9	2.36
13P0500B-120A	13P0500B	3	12.28	1.86	120	Medium Density Residential	A	39	40	0.74	20	0.37	1.11	0.37	53.8	8.60
13P0500B-120D	13P0500B	3	12.28	5.79	120	Medium Density Residential	D	80	40	2.32	20	1.16	3.48	1.16	84.5	1.83
13P0500B-182rA	13P0500B	3	12.28	0.70	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.04	0	0.00	0.67	0.04	42.0	13.84
13P0500B-182rD	13P0500B	3	12.28	1.97	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.10	0	0.00	1.87	0.10	80.9	2.36
13P0500B-600A	13P0500B	3	12.28	0.05	600	Wetland	A	39	0	0.00	0	0.00	0.05	0.00	39.0	15.64
13P0500B-600D	13P0500B	3	12.28	1.90	600	Wetland	D	80	0	0.00	0	0.00	1.90	0.00	80.0	2.50
13P0500B2-120A	13P0500B2	3	2.53	2.04	120	Medium Density Residential	A	39	40	0.82	20	0.41	1.22	0.41	53.8	8.60
13P0500B2-120D	13P0500B2	3	2.53	0.38	120	Medium Density Residential	D	80	40	0.15	20	0.08	0.23	0.08	84.5	1.83
13P0500B2-182rA	13P0500B2	3	2.53	0.06	182r	Golf Course (w/Reclaimed Irrigation)	A	39	5	0.00	0	0.00	0.06	0.00	42.0	13.84
13P0500B2-600A	13P0500B2	3	2.53	0.03	600	Wetland	A	39	0	0.00	0	0.00	0.03	0.00	39.0	15.64
13P0500B2-600D	13P0500B2	3	2.53	0.01	600	Wetland	D	80	0	0.00	0	0.00	0.01	0.00	80.0	2.50
13P0501B_1-120D	13P0501B_1	3	4.53	1.43	120	Medium Density Residential	D	80	40	0.57	20	0.29	0.86	0.29	84.5	1.83
13P0501B_1-182rD	13P0501B_1	3	4.53	3.09	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.15	0	0.00	2.94	0.15	80.9	2.36
13P0502B-120D	13P0502B	3	4.58	2.66	120	Medium Density Residential	D	80	40	1.07	20	0.53	1.60	0.53	84.5	1.83
13P0502B-182rD	13P0502B	3	4.58	1.91	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.10	0	0.00	1.82	0.10	80.9	2.36
13P0800B-120D	13P0800B	3	0.76	0.75	120	Medium Density Residential	D	80	40	0.30	20	0.15	0.45	0.15	84.5	1.83
13P0800B-182rD	13P0800B	3	0.76	0.01	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.01	0.00	80.9	2.36
13P0900B-120D	13P0900B	3	2.34	1.05	120	Medium Density Residential	D	80	40	0.42	20	0.21	0.63	0.21	84.5	1.83
13P0900B-182rD	13P0900B	3	2.34	1.29	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.06	0	0.00	1.22	0.06	80.9	2.36
13P0950B-120D	13P0950B	3	9.78	5.86	120	Medium Density Residential	D	80	40	2.34	20	1.17	3.52	1.17	84.5	1.83
13P0950B-170D	13P0950B	3	9.78	0.16	170	Institutional	D	80	35	0.06	25	0.04	0.10	0.02	82.4	2.14
13P0950B-182rD	13P0950B	3	9.78	3.72	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.19	0	0.00	3.54	0.19	80.9	2.36
13P0950B-430D	13P0950B	3	9.78	0.03	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.03	0.00	80.0	2.50
13P1000B-120D	13P1000B	3	11.46	8.06	120	Medium Density Residential	D	80	40	3.22	20	1.61	4.83	1.61	84.5	1.83
13P1000B-140D	13P1000B	3	11.46	1.26	140	Commercial	D	80	90	1.14	85	1.07	0.13	0.06	86.0	1.63
13P1000B-182rD	13P1000B	3	11.46	2.14	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.11	0	0.00	2.03	0.11	80.9	2.36
13P1250B-120D	13P1250B	3	4.19	0.44	120	Medium Density Residential	D	80	40	0.18	20	0.09	0.27	0.09	84.5	1.83
13P1250B-182rD	13P1250B	3	4.19	3.75	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.19	0	0.00	3.56	0.19	80.9	2.36
13P1300B-120D	13P1300B	3	1.52	1.33	120	Medium Density Residential	D	80	40	0.53	20	0.27	0.80	0.27	84.5	1.83
13P1300B-182rD	13P1300B	3	1.52	0.18	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.01	0	0.00	0.18	0.01	80.9	2.36
13P1650B-120D	13P1650B	3	2.16	0.02	120	Medium Density Residential	D	80	40	0.01	20	0.00	0.01	0.00	84.5	1.83
13P1650B-130D	13P1650B	3	2.16	0.62	130	High Density Residential	D	80	70	0.44	53	0.33	0.19	0.11	86.5	1.56
13P1650B-182rD	13P1650B	3	2.16	1.51	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.08	0	0.00	1.44	0.08	80.9	2.36
13P1800B-130D	13P1800B	1	6.63	0.62	130	High Density Residential	D	80	70	0.43	53	0.33	0.19	0.11	86.5	1.56
13P1800B-130W	13P1800B	1	6.63	0.06	130	High Density Residential	W	98	70	0.04	53	0.03	0.02	0.01	98.0	0.20
13P1800B-140D	13P1800B	1	6.63	0.16	140	Commercial	D	80	90	0.15	85	0.14	0.02	0.01	86.0	1.63
13P1800B-182rD	13P1800B	1	6.63	3.46	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.17	0	0.00	3.29	0.17	80.9	2.36
13P1800B-182rW	13P1800B	1	6.63	0.03	182r	Golf Course (w/Reclaimed Irrigation)	W	98	5	0.00	0	0.00	0.03	0.00	98.0	0.20
13P1800B-500D	13P1800B	1	6.63	0.05	500	Water	D	80	100	0.05	100	0.05	0.00	0.00	98.0	0.20
13P1800B-500W	13P1800B	1	6.63	2.01	500	Water	W	98	100	2.01	100	2.01	0.00	0.00	98.0	0.20
13P1800B-600D	13P1800B	1	6.63	0.24	600	Wetland	D	80	0	0.00	0	0.00	0.24	0.00	80.0	2.50
13P1801B-120D	13P1801B	1	3.33	0.21	120	Medium Density Residential	D	80	40	0.08	20	0.04	0.12	0.04	84.5	1.83
13P1801B-130D	13P1801B	1	3.33	3.05	130	High Density Residential	D	80	70	2.13	53	1.61	0.91	0.52	86.5	1.56
13P1801B-140D	13P1801B	1	3.33	0.08	140	Commercial	D	80	90	0.07	85	0.07	0.01	0.00	86.0	1.63
13P1810B-140D	13P1810B	5	10.05	5.39	140	Commercial	D	80	90	4.85	85	4.58	0.54	0.27	86.0	1.63

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13P1810B-182rD	13P1810B	5	10.05	0.00	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.00	0.00	80.9	2.36
13P1810B-186D	13P1810B	5	10.05	4.65	186	Recreational 2 (Parks w/facilities)	D	80	20	0.93	0	0.00	3.72	0.93	83.6	1.96
13P1814B-130D	13P1814B	1	5.08	0.05	130	High Density Residential	D	80	70	0.03	53	0.02	0.01	0.01	86.5	1.56
13P1814B-140D	13P1814B	1	5.08	4.33	140	Commercial	D	80	90	3.90	85	3.68	0.43	0.22	86.0	1.63
13P1814B-182rD	13P1814B	1	5.08	0.09	182r	Golf Course (w/Reclaimed Irrigation)	D	80	5	0.00	0	0.00	0.08	0.00	80.9	2.36
13P1814B-186D	13P1814B	1	5.08	0.03	186	Recreational 2 (Parks w/facilities)	D	80	20	0.01	0	0.00	0.02	0.01	83.6	1.96
13P1814B-600D	13P1814B	1	5.08	0.59	600	Wetland	D	80	0	0.00	0	0.00	0.59	0.00	80.0	2.50
13P1826B-120D	13P1826B	5	18.47	4.56	120	Medium Density Residential	D	80	40	1.82	20	0.91	2.73	0.91	84.5	1.83
13P1826B-140D	13P1826B	5	18.47	8.64	140	Commercial	D	80	90	7.77	85	7.34	0.86	0.43	86.0	1.63
13P1826B-170D	13P1826B	5	18.47	1.72	170	Institutional	D	80	35	0.60	25	0.43	1.12	0.17	82.4	2.14
13P1826B-186D	13P1826B	5	18.47	1.73	186	Recreational 2 (Parks w/facilities)	D	80	20	0.35	0	0.00	1.39	0.35	83.6	1.96
13P1826B-430D	13P1826B	5	18.47	0.89	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.89	0.00	80.0	2.50
13P1826B-600D	13P1826B	5	18.47	0.93	600	Wetland	D	80	0	0.00	0	0.00	0.93	0.00	80.0	2.50
13P1900B-140D	13P1900B	5	25.90	11.66	140	Commercial	D	80	90	10.49	85	9.91	1.17	0.58	86.0	1.63
13P1900B-140W	13P1900B	5	25.90	0.00	140	Commercial	W	98	90	0.00	85	0.00	0.00	0.00	98.0	0.20
13P1900B-186D	13P1900B	5	25.90	0.05	186	Recreational 2 (Parks w/facilities)	D	80	20	0.01	0	0.00	0.04	0.01	83.6	1.96
13P1900B-500D	13P1900B	5	25.90	0.21	500	Water	D	80	100	0.21	100	0.21	0.00	0.00	98.0	0.20
13P1900B-500W	13P1900B	5	25.90	5.08	500	Water	W	98	100	5.08	100	5.08	0.00	0.00	98.0	0.20
13P1900B-600D	13P1900B	5	25.90	8.23	600	Wetland	D	80	0	0.00	0	0.00	8.23	0.00	80.0	2.50
13P1900B-600W	13P1900B	5	25.90	0.67	600	Wetland	W	98	0	0.00	0	0.00	0.67	0.00	98.0	0.20
13P1901B-140D	13P1901B	5	2.91	0.94	140	Commercial	D	80	90	0.84	85	0.80	0.09	0.05	86.0	1.63
13P1901B-186D	13P1901B	5	2.91	1.98	186	Recreational 2 (Parks w/facilities)	D	80	20	0.40	0	0.00	1.58	0.40	83.6	1.96
13P1902B-140D	13P1902B	5	1.84	1.78	140	Commercial	D	80	90	1.60	85	1.51	0.18	0.09	86.0	1.63
13P1902B-600D	13P1902B	5	1.84	0.06	600	Wetland	D	80	0	0.00	0	0.00	0.06	0.00	80.0	2.50
13P1920B-120D	13P1920B	5	9.05	0.00	120	Medium Density Residential	D	80	40	0.00	20	0.00	0.00	0.00	84.5	1.83
13P1920B-140D	13P1920B	5	9.05	8.97	140	Commercial	D	80	90	8.07	85	7.62	0.90	0.45	86.0	1.63
13P1920B-185D	13P1920B	5	9.05	0.01	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.00	0	0.00	0.01	0.00	80.9	2.36
13P1920B-600D	13P1920B	5	9.05	0.07	600	Wetland	D	80	0	0.00	0	0.00	0.07	0.00	80.0	2.50
13P2010B-140D	13P2010B	5	0.91	0.04	140	Commercial	D	80	90	0.04	85	0.04	0.00	0.00	86.0	1.63
13P2010B-186D	13P2010B	5	0.91	0.87	186	Recreational 2 (Parks w/facilities)	D	80	20	0.17	0	0.00	0.69	0.17	83.6	1.96
13P2014B-140D	13P2014B	5	1.68	0.08	140	Commercial	D	80	90	0.07	85	0.06	0.01	0.00	86.0	1.63
13P2014B-186D	13P2014B	5	1.68	1.61	186	Recreational 2 (Parks w/facilities)	D	80	20	0.32	0	0.00	1.29	0.32	83.6	1.96
13P2050B-120D	13P2050B	5	6.57	0.31	120	Medium Density Residential	D	80	40	0.12	20	0.06	0.19	0.06	84.5	1.83
13P2050B-140D	13P2050B	5	6.57	5.88	140	Commercial	D	80	90	5.29	85	5.00	0.59	0.29	86.0	1.63
13P2050B-186D	13P2050B	5	6.57	0.38	186	Recreational 2 (Parks w/facilities)	D	80	20	0.08	0	0.00	0.31	0.08	83.6	1.96
13P2250B-120D	13P2250B	5	49.85	15.06	120	Medium Density Residential	D	80	40	6.02	20	3.01	9.04	3.01	84.5	1.83
13P2250B-120W	13P2250B	5	49.85	0.15	120	Medium Density Residential	W	98	40	0.06	20	0.03	0.09	0.03	98.0	0.20
13P2250B-140D	13P2250B	5	49.85	18.64	140	Commercial	D	80	90	16.77	85	15.84	1.86	0.93	86.0	1.63
13P2250B-186D	13P2250B	5	49.85	0.21	186	Recreational 2 (Parks w/facilities)	D	80	20	0.04	0	0.00	0.16	0.04	83.6	1.96
13P2250B-500D	13P2250B	5	49.85	0.67	500	Water	D	80	100	0.67	100	0.67	0.00	0.00	98.0	0.20
13P2250B-500W	13P2250B	5	49.85	12.09	500	Water	W	98	100	12.09	100	12.09	0.00	0.00	98.0	0.20
13P2250B-600D	13P2250B	5	49.85	2.51	600	Wetland	D	80	0	0.00	0	0.00	2.51	0.00	80.0	2.50
13P2250B-600W	13P2250B	5	49.85	0.53	600	Wetland	W	98	0	0.00	0	0.00	0.53	0.00	98.0	0.20
13P2300B-140D	13P2300B	5	8.97	5.82	140	Commercial	D	80	90	5.24	85	4.94	0.58	0.29	86.0	1.63
13P2300B-186D	13P2300B	5	8.97	3.16	186	Recreational 2 (Parks w/facilities)	D	80	20	0.63	0	0.00	2.53	0.63	83.6	1.96
13P2400B-140D	13P2400B	5	6.35	3.62	140	Commercial	D	80	90	3.26	85	3.08	0.36	0.18	86.0	1.63
13P2400B-186D	13P2400B	5	6.35	2.73	186	Recreational 2 (Parks w/facilities)	D	80	20	0.55	0	0.00	2.18	0.55	83.6	1.96
13P2450B-140D	13P2450B	5	4.37	3.72	140	Commercial	D	80	90	3.35	85	3.16	0.37	0.19	86.0	1.63

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13P2450B-186D	13P2450B	5	4.37	0.65	186	Recreational 2 (Parks w/facilities)	D	80	20	0.13	0	0.00	0.52	0.13	83.6	1.96
13P2600B-110D	13P2600B	5	344.80	2.04	110	Low Density Residential	D	80	15	0.31	0	0.00	1.73	0.31	82.7	2.09
13P2600B-120A	13P2600B	5	344.80	0.56	120	Medium Density Residential	A	39	40	0.22	20	0.11	0.33	0.11	53.8	8.60
13P2600B-120D	13P2600B	5	344.80	147.65	120	Medium Density Residential	D	80	40	59.06	20	29.53	88.59	29.53	84.5	1.83
13P2600B-120W	13P2600B	5	344.80	0.81	120	Medium Density Residential	W	98	40	0.32	20	0.16	0.49	0.16	98.0	0.20
13P2600B-130D	13P2600B	5	344.80	0.00	130	High Density Residential	D	80	70	0.00	53	0.00	0.00	0.00	86.5	1.56
13P2600B-140A	13P2600B	5	344.80	0.83	140	Commercial	A	39	90	0.75	85	0.70	0.08	0.04	58.7	7.05
13P2600B-140D	13P2600B	5	344.80	42.22	140	Commercial	D	80	90	38.00	85	35.89	4.22	2.11	86.0	1.63
13P2600B-155D	13P2600B	5	344.80	2.03	155	Industrial	D	80	30	0.61	0	0.00	1.42	0.61	85.4	1.71
13P2600B-185D	13P2600B	5	344.80	4.78	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.24	0	0.00	4.54	0.24	80.9	2.36
13P2600B-310D	13P2600B	5	344.80	3.61	310	Dry Prairie	D	80	0	0.00	0	0.00	3.61	0.00	80.0	2.50
13P2600B-500D	13P2600B	5	344.80	2.70	500	Water	D	80	100	2.70	100	2.70	0.00	0.00	98.0	0.20
13P2600B-500W	13P2600B	5	344.80	124.12	500	Water	W	98	100	124.12	100	124.12	0.00	0.00	98.0	0.20
13P2600B-600D	13P2600B	5	344.80	10.66	600	Wetland	D	80	0	0.00	0	0.00	10.66	0.00	80.0	2.50
13P2600B-600W	13P2600B	5	344.80	2.80	600	Wetland	W	98	0	0.00	0	0.00	2.80	0.00	98.0	0.20
13P2640B-120D	13P2640B	5	8.49	1.00	120	Medium Density Residential	D	80	40	0.40	20	0.20	0.60	0.20	84.5	1.83
13P2640B-140D	13P2640B	5	8.49	4.96	140	Commercial	D	80	90	4.46	85	4.22	0.50	0.25	86.0	1.63
13P2640B-186D	13P2640B	5	8.49	2.53	186	Recreational 2 (Parks w/facilities)	D	80	20	0.51	0	0.00	2.02	0.51	83.6	1.96
13P2645B-140D	13P2645B	5	4.14	2.97	140	Commercial	D	80	90	2.68	85	2.53	0.30	0.15	86.0	1.63
13P2645B-186D	13P2645B	5	4.14	1.17	186	Recreational 2 (Parks w/facilities)	D	80	20	0.23	0	0.00	0.94	0.23	83.6	1.96
13P2646B-140D	13P2646B	5	8.53	6.84	140	Commercial	D	80	90	6.16	85	5.82	0.68	0.34	86.0	1.63
13P2646B-186D	13P2646B	5	8.53	1.69	186	Recreational 2 (Parks w/facilities)	D	80	20	0.34	0	0.00	1.35	0.34	83.6	1.96
13P2646B_1-140D	13P2646B_1	5	1.58	1.58	140	Commercial	D	80	90	1.42	85	1.34	0.16	0.08	86.0	1.63
13P2648B-120A	13P2648B	5	26.83	7.00	120	Medium Density Residential	A	39	40	2.80	20	1.40	4.20	1.40	53.8	8.60
13P2648B-120D	13P2648B	5	26.83	1.88	120	Medium Density Residential	D	80	40	0.75	20	0.38	1.13	0.38	84.5	1.83
13P2648B-120W	13P2648B	5	26.83	0.00	120	Medium Density Residential	W	98	40	0.00	20	0.00	0.00	0.00	98.0	0.20
13P2648B-140A	13P2648B	5	26.83	0.05	140	Commercial	A	39	90	0.04	85	0.04	0.00	0.00	58.7	7.05
13P2648B-140D	13P2648B	5	26.83	12.93	140	Commercial	D	80	90	11.64	85	10.99	1.29	0.65	86.0	1.63
13P2648B-600A	13P2648B	5	26.83	1.27	600	Wetland	A	39	0	0.00	0	0.00	1.27	0.00	39.0	15.64
13P2648B-600D	13P2648B	5	26.83	0.19	600	Wetland	D	80	0	0.00	0	0.00	0.19	0.00	80.0	2.50
13P2648B-600W	13P2648B	5	26.83	1.69	600	Wetland	W	98	0	0.00	0	0.00	1.69	0.00	98.0	0.20
13P2648B-643A	13P2648B	5	26.83	0.56	643	Wet Prairie	A	39	0	0.00	0	0.00	0.56	0.00	39.0	15.64
13P2648B-643D	13P2648B	5	26.83	1.25	643	Wet Prairie	D	80	0	0.00	0	0.00	1.25	0.00	80.0	2.50
13P2660B-120A	13P2660B	5	26.24	8.58	120	Medium Density Residential	A	39	40	3.43	20	1.72	5.15	1.72	53.8	8.60
13P2660B-120D	13P2660B	5	26.24	2.04	120	Medium Density Residential	D	80	40	0.82	20	0.41	1.23	0.41	84.5	1.83
13P2660B-140D	13P2660B	5	26.24	3.29	140	Commercial	D	80	90	2.96	85	2.80	0.33	0.16	86.0	1.63
13P2660B-186A	13P2660B	5	26.24	0.06	186	Recreational 2 (Parks w/facilities)	A	39	20	0.01	0	0.00	0.04	0.01	50.8	9.69
13P2660B-430A	13P2660B	5	26.24	0.31	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	0.31	0.00	39.0	15.64
13P2660B-430D	13P2660B	5	26.24	2.55	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	2.55	0.00	80.0	2.50
13P2660B-600A	13P2660B	5	26.24	1.83	600	Wetland	A	39	0	0.00	0	0.00	1.83	0.00	39.0	15.64
13P2660B-600D	13P2660B	5	26.24	7.59	600	Wetland	D	80	0	0.00	0	0.00	7.59	0.00	80.0	2.50
13P2661B-120A	13P2661B	5	29.89	16.67	120	Medium Density Residential	A	39	40	6.67	20	3.33	10.00	3.33	53.8	8.60
13P2661B-120D	13P2661B	5	29.89	1.92	120	Medium Density Residential	D	80	40	0.77	20	0.38	1.15	0.38	84.5	1.83
13P2661B-140A	13P2661B	5	29.89	0.15	140	Commercial	A	39	90	0.14	85	0.13	0.02	0.01	58.7	7.05
13P2661B-186A	13P2661B	5	29.89	4.41	186	Recreational 2 (Parks w/facilities)	A	39	20	0.88	0	0.00	3.53	0.88	50.8	9.69
13P2661B-430A	13P2661B	5	29.89	2.68	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	2.68	0.00	39.0	15.64
13P2661B-430D	13P2661B	5	29.89	0.01	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.01	0.00	80.0	2.50
13P2661B-600A	13P2661B	5	29.89	0.94	600	Wetland	A	39	0	0.00	0	0.00	0.94	0.00	39.0	15.64

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13P2661B-600D	13P2661B	5	29.89	3.09	600	Wetland	D	80	0	0.00	0	0.00	3.09	0.00	80.0	2.50
13P2800B-120D	13P2800B	5	151.51	69.23	120	Medium Density Residential	D	80	40	27.69	20	13.85	41.54	13.85	84.5	1.83
13P2800B-130A	13P2800B	5	151.51	0.21	130	High Density Residential	A	39	70	0.15	53	0.11	0.06	0.04	60.3	6.57
13P2800B-130D	13P2800B	5	151.51	34.61	130	High Density Residential	D	80	70	24.23	53	18.34	10.38	5.88	86.5	1.56
13P2800B-140D	13P2800B	5	151.51	18.67	140	Commercial	D	80	90	16.80	85	15.87	1.87	0.93	86.0	1.63
13P2800B-170D	13P2800B	5	151.51	4.42	170	Institutional	D	80	35	1.55	25	1.10	2.87	0.44	82.4	2.14
13P2800B-186A	13P2800B	5	151.51	2.54	186	Recreational 2 (Parks w/facilities)	A	39	20	0.51	0	0.00	2.03	0.51	50.8	9.69
13P2800B-186D	13P2800B	5	151.51	16.20	186	Recreational 2 (Parks w/facilities)	D	80	20	3.24	0	0.00	12.96	3.24	83.6	1.96
13P2800B-500D	13P2800B	5	151.51	4.58	500	Water	D	80	100	4.58	100	4.58	0.00	0.00	98.0	0.20
13P2800B-600D	13P2800B	5	151.51	1.06	600	Wetland	D	80	0	0.00	0	0.00	1.06	0.00	80.0	2.50
13P2900B-120D	13P2900B	5	24.32	19.09	120	Medium Density Residential	D	80	40	7.64	20	3.82	11.46	3.82	84.5	1.83
13P2900B-130D	13P2900B	5	24.32	4.69	130	High Density Residential	D	80	70	3.29	53	2.49	1.41	0.80	86.5	1.56
13P2900B-140D	13P2900B	5	24.32	0.23	140	Commercial	D	80	90	0.20	85	0.19	0.02	0.01	86.0	1.63
13P2900B-310D	13P2900B	5	24.32	0.30	310	Dry Prairie	D	80	0	0.00	0	0.00	0.30	0.00	80.0	2.50
13P3400B-140D	13P3400B	5	15.47	13.91	140	Commercial	D	80	90	12.52	85	11.82	1.39	0.70	86.0	1.63
13P3400B-186D	13P3400B	5	15.47	0.01	186	Recreational 2 (Parks w/facilities)	D	80	20	0.00	0	0.00	0.01	0.00	83.6	1.96
13P3400B-430D	13P3400B	5	15.47	0.30	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.30	0.00	80.0	2.50
13P3400B-500D	13P3400B	5	15.47	1.24	500	Water	D	80	100	1.24	100	1.24	0.00	0.00	98.0	0.20
13Q0500B-120D	13Q0500B	5	3.47	2.72	120	Medium Density Residential	D	80	40	1.09	20	0.54	1.63	0.54	84.5	1.83
13Q0500B-140D	13Q0500B	5	3.47	0.75	140	Commercial	D	80	90	0.67	85	0.64	0.07	0.04	86.0	1.63
13Q0820B-120A	13Q0820B	5	39.92	0.01	120	Medium Density Residential	A	39	40	0.00	20	0.00	0.01	0.00	53.8	8.60
13Q0820B-120D	13Q0820B	5	39.92	32.49	120	Medium Density Residential	D	80	40	12.99	20	6.50	19.49	6.50	84.5	1.83
13Q0820B-140D	13Q0820B	5	39.92	5.47	140	Commercial	D	80	90	4.92	85	4.65	0.55	0.27	86.0	1.63
13Q0820B-186D	13Q0820B	5	39.92	0.04	186	Recreational 2 (Parks w/facilities)	D	80	20	0.01	0	0.00	0.03	0.01	83.6	1.96
13Q0820B-500D	13Q0820B	5	39.92	1.91	500	Water	D	80	100	1.91	100	1.91	0.00	0.00	98.0	0.20
13Q0840B-120D	13Q0840B	5	3.11	0.00	120	Medium Density Residential	D	80	40	0.00	20	0.00	0.00	0.00	84.5	1.83
13Q0840B-155D	13Q0840B	5	3.11	0.35	155	Industrial	D	80	30	0.10	0	0.00	0.24	0.10	85.4	1.71
13Q0840B-185D	13Q0840B	5	3.11	0.06	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.00	0	0.00	0.06	0.00	80.9	2.36
13Q0840B-600D	13Q0840B	5	3.11	2.70	600	Wetland	D	80	0	0.00	0	0.00	2.70	0.00	80.0	2.50
13Q0860B-120A	13Q0860B	5	12.66	0.04	120	Medium Density Residential	A	39	40	0.02	20	0.01	0.02	0.01	53.8	8.60
13Q0860B-120D	13Q0860B	5	12.66	1.48	120	Medium Density Residential	D	80	40	0.59	20	0.30	0.89	0.30	84.5	1.83
13Q0860B-155A	13Q0860B	5	12.66	0.77	155	Industrial	A	39	30	0.23	0	0.00	0.54	0.23	56.7	7.64
13Q0860B-155D	13Q0860B	5	12.66	0.49	155	Industrial	D	80	30	0.15	0	0.00	0.35	0.15	85.4	1.71
13Q0860B-185A	13Q0860B	5	12.66	3.80	185	Recreational 1 (Parks w/little impervious)	A	39	5	0.19	0	0.00	3.61	0.19	42.0	13.84
13Q0860B-430A	13Q0860B	5	12.66	3.98	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	3.98	0.00	39.0	15.64
13Q0860B-430D	13Q0860B	5	12.66	1.36	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	1.36	0.00	80.0	2.50
13Q0860B-500A	13Q0860B	5	12.66	0.01	500	Water	A	39	100	0.01	100	0.01	0.00	0.00	98.0	0.20
13Q0860B-500D	13Q0860B	5	12.66	0.72	500	Water	D	80	100	0.72	100	0.72	0.00	0.00	98.0	0.20
13Q0861B-120A	13Q0861B	5	5.06	0.26	120	Medium Density Residential	A	39	40	0.10	20	0.05	0.15	0.05	53.8	8.60
13Q0861B-120D	13Q0861B	5	5.06	1.18	120	Medium Density Residential	D	80	40	0.47	20	0.24	0.71	0.24	84.5	1.83
13Q0861B-155A	13Q0861B	5	5.06	0.83	155	Industrial	A	39	30	0.25	0	0.00	0.58	0.25	56.7	7.64
13Q0861B-155D	13Q0861B	5	5.06	1.44	155	Industrial	D	80	30	0.43	0	0.00	1.01	0.43	85.4	1.71
13Q0861B-185A	13Q0861B	5	5.06	1.16	185	Recreational 1 (Parks w/little impervious)	A	39	5	0.06	0	0.00	1.10	0.06	42.0	13.84
13Q0861B-185D	13Q0861B	5	5.06	0.02	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.00	0	0.00	0.02	0.00	80.9	2.36
13Q0861B-430A	13Q0861B	5	5.06	0.18	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	0.18	0.00	39.0	15.64
13Q0861B-430D	13Q0861B	5	5.06	0.00	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.00	0.00	80.0	2.50
13Q0870B-155A	13Q0870B	5	10.13	1.76	155	Industrial	A	39	30	0.53	0	0.00	1.23	0.53	56.7	7.64
13Q0870B-155D	13Q0870B	5	10.13	6.43	155	Industrial	D	80	30	1.93	0	0.00	4.50	1.93	85.4	1.71

Appendix B.4: Pollutant Load Curve Number Calculations

Sub Area ID	Subbasin Name	Lake System Name	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Soil Group	Perv. Curve Number	Imperv. Area (%)	Imperv. Area (acres)	DCIA (%)	DCIA (acres)	Perv. Area (acres)	Non- DCIA Area (acres)	Non- DCIA Curve Number	Soil Storage nDCIA (inches)
13Q0870B-430D	13Q0870B	5	10.13	0.07	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	0.07	0.00	80.0	2.50
13Q0870B-500D	13Q0870B	5	10.13	1.75	500	Water	D	80	100	1.75	100	1.75	0.00	0.00	98.0	0.20
13Q0870B-600D	13Q0870B	5	10.13	0.12	600	Wetland	D	80	0	0.00	0	0.00	0.12	0.00	80.0	2.50
13Q0875B-120D	13Q0875B	5	5.11	4.54	120	Medium Density Residential	D	80	40	1.82	20	0.91	2.72	0.91	84.5	1.83
13Q0875B-500D	13Q0875B	5	5.11	0.37	500	Water	D	80	100	0.37	100	0.37	0.00	0.00	98.0	0.20
13Q0875B-600D	13Q0875B	5	5.11	0.20	600	Wetland	D	80	0	0.00	0	0.00	0.20	0.00	80.0	2.50
13Q0880B-120D	13Q0880B	5	7.83	4.63	120	Medium Density Residential	D	80	40	1.85	20	0.93	2.78	0.93	84.5	1.83
13Q0880B-185D	13Q0880B	5	7.83	3.17	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.16	0	0.00	3.01	0.16	80.9	2.36
13Q0880B-600D	13Q0880B	5	7.83	0.02	600	Wetland	D	80	0	0.00	0	0.00	0.02	0.00	80.0	2.50
13Q0885B-120D	13Q0885B	5	9.02	8.13	120	Medium Density Residential	D	80	40	3.25	20	1.63	4.88	1.63	84.5	1.83
13Q0885B-140D	13Q0885B	5	9.02	0.15	140	Commercial	D	80	90	0.13	85	0.13	0.01	0.01	86.0	1.63
13Q0885B-185D	13Q0885B	5	9.02	0.74	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.04	0	0.00	0.70	0.04	80.9	2.36
13Q0895B-120D	13Q0895B	5	2.78	0.02	120	Medium Density Residential	D	80	40	0.01	20	0.00	0.01	0.00	84.5	1.83
13Q0895B-140D	13Q0895B	5	2.78	0.00	140	Commercial	D	80	90	0.00	85	0.00	0.00	0.00	86.0	1.63
13Q0895B-185D	13Q0895B	5	2.78	2.76	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.14	0	0.00	2.62	0.14	80.9	2.36
13Q0924B-120D	13Q0924B	5	5.05	4.25	120	Medium Density Residential	D	80	40	1.70	20	0.85	2.55	0.85	84.5	1.83
13Q0924B-155D	13Q0924B	5	5.05	0.04	155	Industrial	D	80	30	0.01	0	0.00	0.03	0.01	85.4	1.71
13Q0924B-410D	13Q0924B	5	5.05	0.01	410	Mesic Flatwoods	D	80	0	0.00	0	0.00	0.01	0.00	80.0	2.50
13Q0924B-600D	13Q0924B	5	5.05	0.75	600	Wetland	D	80	0	0.00	0	0.00	0.75	0.00	80.0	2.50
13Q0940B-120D	13Q0940B	5	4.95	3.98	120	Medium Density Residential	D	80	40	1.59	20	0.80	2.39	0.80	84.5	1.83
13Q0940B-155D	13Q0940B	5	4.95	0.00	155	Industrial	D	80	30	0.00	0	0.00	0.00	0.00	85.4	1.71
13Q0940B-500D	13Q0940B	5	4.95	0.97	500	Water	D	80	100	0.97	100	0.97	0.00	0.00	98.0	0.20
13Q1100B-120D	13Q1100B	5	2.21	0.97	120	Medium Density Residential	D	80	40	0.39	20	0.19	0.58	0.19	84.5	1.83
13Q1100B-140D	13Q1100B	5	2.21	0.22	140	Commercial	D	80	90	0.20	85	0.19	0.02	0.01	86.0	1.63
13Q1100B-155D	13Q1100B	5	2.21	0.79	155	Industrial	D	80	30	0.24	0	0.00	0.55	0.24	85.4	1.71
13Q1100B-185D	13Q1100B	5	2.21	0.10	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.00	0	0.00	0.09	0.00	80.9	2.36
13Q1100B-600D	13Q1100B	5	2.21	0.14	600	Wetland	D	80	0	0.00	0	0.00	0.14	0.00	80.0	2.50
13Q1300B-155A	13Q1300B	5	0.81	0.18	155	Industrial	A	39	30	0.05	0	0.00	0.13	0.05	56.7	7.64
13Q1300B-155D	13Q1300B	5	0.81	0.63	155	Industrial	D	80	30	0.19	0	0.00	0.44	0.19	85.4	1.71
13Q1600B-155A	13Q1600B	5	3.31	0.06	155	Industrial	A	39	30	0.02	0	0.00	0.04	0.02	56.7	7.64
13Q1600B-155D	13Q1600B	5	3.31	3.25	155	Industrial	D	80	30	0.97	0	0.00	2.27	0.97	85.4	1.71
13Q1900B-120D	13Q1900B	5	27.53	5.54	120	Medium Density Residential	D	80	40	2.22	20	1.11	3.33	1.11	84.5	1.83
13Q1900B-130D	13Q1900B	5	27.53	2.36	130	High Density Residential	D	80	70	1.65	53	1.25	0.71	0.40	86.5	1.56
13Q1900B-140A	13Q1900B	5	27.53	0.04	140	Commercial	A	39	90	0.03	85	0.03	0.00	0.00	58.7	7.05
13Q1900B-140D	13Q1900B	5	27.53	10.58	140	Commercial	D	80	90	9.53	85	9.00	1.06	0.53	86.0	1.63
13Q1900B-155A	13Q1900B	5	27.53	0.06	155	Industrial	A	39	30	0.02	0	0.00	0.04	0.02	56.7	7.64
13Q1900B-155D	13Q1900B	5	27.53	0.38	155	Industrial	D	80	30	0.11	0	0.00	0.26	0.11	85.4	1.71
13Q1900B-185A	13Q1900B	5	27.53	0.03	185	Recreational 1 (Parks w/little impervious)	A	39	5	0.00	0	0.00	0.03	0.00	42.0	13.84
13Q1900B-185D	13Q1900B	5	27.53	0.07	185	Recreational 1 (Parks w/little impervious)	D	80	5	0.00	0	0.00	0.07	0.00	80.9	2.36
13Q1900B-410A	13Q1900B	5	27.53	1.28	410	Mesic Flatwoods	A	39	0	0.00	0	0.00	1.28	0.00	39.0	15.64
13Q1900B-410D	13Q1900B	5	27.53	5.58	410	Mesic Flatwoods	D	80	0	0.00	0	0.00	5.58	0.00	80.0	2.50
13Q1900B-430A	13Q1900B	5	27.53	0.06	430	Upland Mixed Forest	A	39	0	0.00	0	0.00	0.06	0.00	39.0	15.64
13Q1900B-430D	13Q1900B	5	27.53	1.56	430	Upland Mixed Forest	D	80	0	0.00	0	0.00	1.56	0.00	80.0	2.50

Appendix B
Existing Condition
Pollutant Loading Calculations

B.5 Runoff Calculations – Existing Condition

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L0800B-120A	13L0800B	4	35.0	9.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	6.62	L	Existing	100	0	0.00	4.55	2.08	0.00	0.00	0.00	2.08
13L0800B-120D	13L0800B	4	35.0	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.86	L	Existing	100	0	0.00	4.36	3.50	0.00	0.00	0.00	3.50
13L0800B-130A	13L0800B	4	35.0	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.39	L	Existing	100	0	0.00	0.10	0.29	0.00	0.00	0.00	0.29
13L0800B-130D	13L0800B	4	35.0	0.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.79	L	Existing	100	0	0.00	0.43	1.36	0.00	0.00	0.00	1.36
13L0800B-140A	13L0800B	4	35.0	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.52	L	Existing	100	0	0.00	0.09	0.43	0.00	0.00	0.00	0.43
13L0800B-140D	13L0800B	4	35.0	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.10	L	Existing	100	0	0.00	0.18	0.92	0.00	0.00	0.00	0.92
13L0800B-186D	13L0800B	4	35.0	7.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	1.17	L	Existing	100	0	0.00	3.31	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.82	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.38	L	Existing	100	0	0.00	0.19	1.18	0.00	0.00	0.00	1.18
13L0800B-600D	13L0800B	4	35.0	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	2.14	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.00	L	Existing	100	0	0.00	0.46	2.54	0.00	0.00	0.00	2.54
13L0801B-120A	13L0801B	4	26.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.00	0.00	0.00	0.04
13L0801B-120D	13L0801B	4	26.1	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.32	DP	Existing	100	80	5.06	0.00	1.26	0.00	0.00	0.00	1.26
13L0801B-130A	13L0801B	4	26.1	9.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	16.92	DP	Existing	100	80	13.54	0.00	3.38	0.00	0.00	0.00	3.38
13L0801B-130D	13L0801B	4	26.1	1.2	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.39	DP	Existing	100	80	1.91	0.00	0.48	0.00	0.00	0.00	0.48
13L0801B-140A	13L0801B	4	26.1	4.7	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	13.48	DP	Existing	100	80	10.78	0.00	2.70	0.00	0.00	0.00	2.70
13L0801B-140D	13L0801B	4	26.1	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.05	DP	Existing	100	80	0.84	0.00	0.21	0.00	0.00	0.00	0.21
13L0801B-186A	13L0801B	4	26.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.44	DP	Existing	100	80	0.35	0.00	0.09	0.00	0.00	0.00	0.09
13L0801B-430A	13L0801B	4	26.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.40	WP	Existing	100	20	0.08	0.00	0.32	0.00	0.00	0.00	0.32
13L0820B-120D	13L0820B	4	24.7	7.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.69	WP	Existing	100	20	1.34	0.00	5.35	0.00	0.00	0.00	5.35
13L0820B-130A	13L0820B	4	24.7	2.4	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	4.31	WP	Existing	100	20	0.86	0.00	3.45	0.00	0.00	0.00	3.45
13L0820B-130D	13L0820B	4	24.7	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.20	WP	Existing	100	20	1.84	0.00	7.36	0.00	0.00	0.00	7.36
13L0820B-140D	13L0820B	4	24.7	4.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	13.56	WP	Existing	100	20	2.71	0.00	10.85	0.00	0.00	0.00	10.85
13L0820B-186D	13L0820B	4	24.7	3.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.61	WP	Existing	100	20	0.12	0.00	0.49	0.00	0.00	0.00	0.49
13L0820B-500D	13L0820B	4	24.7	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.42	WP	Existing	100	20	0.68	0.00	2.74	0.00	0.00	0.00	2.74
13L1000B-120A	13L1000B	3	59.8	4.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.79	L	Existing	100	0	0.00	0.86	1.93	0.00	0.00	1.93	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.93	L	Existing	100	0	0.00	5.70	17.23	0.00	0.00	17.23	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.19	L	Existing	100	0	0.00	1.19	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.09	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.24	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.58	L	Existing	100	0	0.00	0.24	3.33	0.00	0.00	3.33	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.36	GCP-3	Existing	100	20	0.07	0.00	0.29	0.00	0.29	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.73	GCP-3	Existing	100	20	0.95	0.00	3.78	0.00	3.78	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-3	Existing	100	20	0.01	0.00	0.05	0.00	0.05	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.96	WP	Existing	100	20	0.39	0.00	1.57	0.00	1.57	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.84	WP	Existing	100	20	0.77	0.00	3.07	0.00	3.07	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.70	WP	Existing	100	20	0.54	0.00	2.16	0.00	2.16	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.06	W	Existing	100	0	0.00	0.16	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	19.73	W	Existing	100	0	0.00	7.75	11.98	0.00	0.00	11.98	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.01	W	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.02	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.11	L	Existing	100	0	0.00	0.01	0.11	0.00	0.11	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.79	L	Existing	100	0	0.00	1.47	23.32	0.00	23.32	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.25	L	Existing	100	0	0.00	0.36	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.29	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.01	L	Existing	100	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L1200B-600D	13L1200B	2	44.6	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.25	N	Existing	100	0	0.00	0.00	4.25	0.00	4.25	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.77	N	Existing	100	0	0.00	0.00	0.77	0.00	0.77	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	N	Existing	100	0	0.00	0.00	0.09	0.00	0.09	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.57	GCP-11	Existing	100	20	0.31	0.00	1.25	0.00	1.25	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	GCP-11	Existing	100	20	0.78	0.00	3.13	0.00	3.13	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	GCP-11	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	GCP-11	Existing	100	20	0.01	0.00	0.03	0.00	0.03	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.18	N	Existing	100	0	0.00	0.00	1.18	0.00	1.18	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.47	L	Existing	100	0	0.00	0.00	1.47	1.47	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.88	L	Existing	100	0	0.00	0.00	22.88	22.88	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	L	Existing	100	0	0.00	0.00	0.05	0.05	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.21	L	Existing	100	0	0.00	0.00	0.21	0.21	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.54	GCP-7A	Existing	100	20	0.11	0.00	0.43	0.43	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	GCP-7A	Existing	100	20	0.02	0.00	0.07	0.07	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.09	GCP-7A	Existing	100	20	0.22	0.00	0.88	0.88	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7A	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.03	DP	Existing	100	80	1.62	0.00	0.41	0.41	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	15.98	DP	Existing	100	80	12.78	0.00	3.20	3.20	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.11	W	Existing	100	0	0.00	19.46	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.03	W	Existing	100	0	0.00	12.79	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	W	Existing	100	0	0.00	2.08	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	67.30	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	42.15	N	Existing	100	0	0.00	0.00	42.15	42.15	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.96	N	Existing	100	0	0.00	0.00	5.96	5.96	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.17	N	Existing	100	0	0.00	0.00	29.17	29.17	0.00	0.00	0.00
13L1876B-155D	13L1876B	1	66.8	1.1	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.33	N	Existing	100	0	0.00	0.00	0.33	0.33	0.00	0.00	0.00
13L1876B-186D	13L1876B	1	66.8	3.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.59	N	Existing	100	0	0.00	0.00	0.59	0.59	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.33	N	Existing	100	0	0.00	0.00	27.33	27.33	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	15.37	N	Existing	100	0	0.00	0.00	15.37	15.37	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.05	GCP-7B	Existing	100	20	3.21	0.00	12.84	12.84	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.53	GCP-7B	Existing	100	20	1.11	0.00	4.42	4.42	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.06	GCP-7B	Existing	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7B	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.49	W	Existing	100	0	0.00	4.73	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	3.48	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.96	W	Existing	100	0	0.00	24.44	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.15	W	Existing	100	0	0.00	11.36	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	104.36	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.99	GCP-8	Existing	100	20	0.40	0.00	1.59	1.59	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-8	Existing	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	41.78	N	Existing	100	0	0.00	0.00	41.78	41.78	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.50	N	Existing	100	0	0.00	0.00	29.50	29.50	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.16	N	Existing	100	0	0.00	0.00	0.16	0.16	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.15	W	Existing	100	0	0.00	6.51	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.20	W	Existing	100	0	0.00	10.27	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	11.30	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.97	W	Existing	100	0	0.00	7.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	W	Existing	100	0	0.00	5.16	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	19.87	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.90	N	Existing	100	0	0.00	0.00	8.90	8.90	0.00	0.00	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L2052B-120D	13L2052B	1	9.2	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.93	N	Existing	100	0	0.00	0.00	7.93	7.93	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.52	N	Existing	100	0	0.00	0.00	24.52	24.52	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.84	N	Existing	100	0	0.00	0.00	1.84	1.84	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.86	N	Existing	100	0	0.00	0.00	3.86	3.86	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.70	N	Existing	100	0	0.00	0.00	16.70	16.70	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.12	WP	Existing	100	20	0.42	0.00	1.70	1.70	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.10	WP	Existing	100	20	0.42	0.00	1.68	1.68	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.66	N	Existing	100	0	0.00	0.00	3.66	3.66	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.59	W	Existing	100	0	0.00	4.57	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.72	W	Existing	100	0	0.00	4.39	1.33	1.33	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.16	W	Existing	100	0	0.00	0.61	0.55	0.55	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	7.06	W	Existing	100	0	0.00	3.65	3.41	3.41	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.14	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.01	W	Existing	100	0	0.00	0.75	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.25	W	Existing	100	0	0.00	2.21	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.38	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	11.66	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.76	WP	Existing	100	20	0.15	0.00	0.60	0.60	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.99	WP	Existing	100	20	0.20	0.00	0.79	0.79	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	26.35	WP	Existing	100	20	5.27	0.00	21.08	21.08	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.83	WP	Existing	100	20	0.17	0.00	0.66	0.66	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.02	WP	Existing	100	20	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.01	DP	Existing	100	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.08	DP	Existing	100	80	0.06	0.00	0.02	0.02	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.12	DP	Existing	100	80	0.89	0.00	0.22	0.22	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.94	DP	Existing	100	80	8.75	0.00	2.19	2.19	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.04	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	38.86	DP	Existing	100	80	31.09	0.00	7.77	7.77	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.13	DP	Existing	100	80	1.71	0.00	0.43	0.43	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.35	C	Existing	100	0	0.00	0.00	0.35	0.35	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.13	C	Existing	100	0	0.00	0.00	6.13	6.13	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.01	C	Existing	100	0	0.00	0.00	1.01	1.01	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.07	C	Existing	100	0	0.00	0.00	2.07	2.07	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.28	WP	Existing	100	20	0.86	0.00	3.43	3.43	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.02	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.50	WP	Existing	100	20	0.10	0.00	0.40	0.40	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	60.81	WP	Existing	100	20	12.16	0.00	48.65	48.65	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.04	WP	Existing	100	20	0.01	0.00	0.03	0.03	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.05	WP	Existing	100	20	1.81	0.00	7.24	7.24	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	C	Existing	100	0	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.69	C	Existing	100	0	0.00	0.00	2.69	2.69	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.10	C	Existing	100	0	0.00	0.00	0.10	0.10	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.78	C	Existing	100	0	0.00	0.00	0.78	0.78	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	W	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.72	W	Existing	100	0	0.00	0.46	0.26	0.26	0.00	0.00	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L3140B-130A	13L3140B	1	38.1	0.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.54	W	Existing	100	0	0.00	0.16	0.37	0.37	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	14.22	W	Existing	100	0	0.00	2.72	11.50	11.50	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.14	W	Existing	100	0	0.00	10.19	43.95	43.95	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Existing	100	0	0.00	0.13	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.97	W	Existing	100	0	0.00	3.18	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.09	0.00	0.00	0.00	0.00	0.00
13L3140B-600D	13L3140B	1	38.1	5.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	2.84	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.93	WP	Existing	100	20	0.59	0.00	2.34	0.00	0.00	2.34	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.33	WP	Existing	100	20	1.27	0.00	5.06	0.00	0.00	5.06	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.87	WP	Existing	100	20	0.37	0.00	1.50	0.00	0.00	1.50	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.01	WP	Existing	100	20	0.60	0.00	2.40	0.00	0.00	2.40	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.55	WP	Existing	100	20	0.51	0.00	2.04	0.00	0.00	2.04	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.68	WP	Existing	100	20	1.74	0.00	6.94	0.00	0.00	6.94	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	WP	Existing	100	20	0.25	0.00	1.01	0.00	0.00	1.01	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.72	WP	Existing	100	20	0.94	0.00	3.78	0.00	0.00	3.78	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.80	W	Existing	100	0	0.00	2.59	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.29	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.43	L	Existing	100	0	0.00	3.92	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.70	L	Existing	100	0	0.00	25.81	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.95	L	Existing	100	0	0.00	0.53	0.42	0.00	0.00	0.42	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	33.18	L	Existing	100	0	0.00	18.55	14.63	0.00	0.00	14.63	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.98	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.23	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	0.27	L	Existing	100	0	0.00	0.17	0.11	0.00	0.00	0.11	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.30	N	Existing	100	0	0.00	0.00	5.30	0.00	0.00	5.30	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.23	N	Existing	100	0	0.00	0.00	0.23	0.00	0.00	0.23	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.04	GCP-4	Existing	100	20	0.21	0.00	0.83	0.00	0.00	0.83	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.85	GCP-4	Existing	100	20	1.57	0.00	6.28	0.00	0.00	6.28	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-4	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	GCP-4	Existing	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.00	0.00	0.02	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.18	WP	Existing	100	20	2.64	0.00	10.54	0.00	0.00	10.54	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.27	WP	Existing	100	20	0.05	0.00	0.22	0.00	0.00	0.22	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.05	N	Existing	100	0	0.00	0.00	2.05	0.00	0.00	2.05	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.77	N	Existing	100	0	0.00	0.00	21.77	0.00	0.00	21.77	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.75	LL	Existing	100	100	21.75	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	16.08	LL	Existing	100	100	16.08	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.02	W	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.44	W	Existing	100	0	0.00	1.95	0.00	0.00	0.00	0.00	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0700B-500D	13N0700B	3	4.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	W	Existing	100	0	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.51	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	13.97	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	19.85	L	Existing	100	90	17.86	27.27	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.05	L	Existing	100	90	9.94	12.26	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.28	L	Existing	100	90	0.26	0.21	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	15.39	L	Existing	100	90	13.85	5.08	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.58	L	Existing	100	90	0.52	0.19	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.02	L	Existing	100	90	0.02	1.74	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.02	L	Existing	100	90	0.02	0.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	4.18	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	0.30	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.82	L	Existing	100	90	0.74	0.23	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.88	L	Existing	100	90	0.79	0.25	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	52.05	L	Existing	100	90	46.85	14.63	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	2.51	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.96	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	5.14	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.58	N	Existing	100	90	1.43	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.45	N	Existing	100	90	12.10	0.00	1.34	0.00	0.00	0.13	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	N	Existing	100	90	0.14	0.00	0.02	0.00	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	DP	Existing	100	90	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.20	DP	Existing	100	90	3.78	0.00	0.42	0.00	0.00	0.04	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.62	N	Existing	100	90	1.46	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.08	N	Existing	100	90	0.07	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.56	DP	Existing	100	90	0.50	0.00	0.06	0.00	0.00	0.01	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.68	DP	Existing	100	90	7.81	0.00	0.87	0.00	0.00	0.09	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.07	DP	Existing	100	90	0.06	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.73	N	Existing	100	90	7.85	0.00	0.87	0.00	0.00	0.09	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.78	N	Existing	100	90	6.10	0.00	0.68	0.00	0.00	0.07	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.15	N	Existing	100	90	14.53	0.00	1.61	0.00	0.00	0.16	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	10.62	N	Existing	100	90	9.56	0.00	1.06	0.00	0.00	0.11	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.40	WP	Existing	100	90	2.16	0.00	0.24	0.00	0.00	0.02	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	38.98	WP	Existing	100	90	35.08	0.00	3.90	0.00	0.00	0.39	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.13	WP	Existing	100	90	5.52	0.00	0.61	0.00	0.00	0.06	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	WP	Existing	100	90	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.47	WP	Existing	100	20	0.69	0.00	2.77	0.00	0.00	2.77	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.14	WP	Existing	100	20	0.43	0.00	1.71	0.00	0.00	1.71	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.42	WP	Existing	100	20	0.28	0.00	1.14	0.00	0.00	1.14	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.16	WP	Existing	100	20	0.83	0.00	3.33	0.00	0.00	3.33	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0900B-120A	13N0900B	3	7.4	0.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.62	WP	Existing	100	20	0.12	0.00	0.50	0.00	0.00	0.50	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.76	WP	Existing	100	20	0.95	0.00	3.81	0.00	0.00	3.81	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.08	WP	Existing	100	20	0.62	0.00	2.46	0.00	0.00	2.46	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.80	N	Existing	100	0	0.00	0.00	0.80	0.00	0.00	0.80	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.97	N	Existing	100	0	0.00	0.00	7.97	0.00	0.00	7.97	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	N	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.58	N	Existing	100	0	0.00	0.00	0.58	0.00	0.00	0.58	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	N	Existing	100	0	0.00	0.00	0.03	0.00	0.00	0.03	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.29	W	Existing	100	0	0.00	0.81	0.47	0.00	0.00	0.47	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.97	W	Existing	100	0	0.00	2.53	2.43	0.00	0.00	2.43	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	W	Existing	100	0	0.00	0.31	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	W	Existing	100	0	0.00	0.86	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.83	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.41	DA	Existing	100	30	0.42	0.00	0.99	0.00	0.00	0.99	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.33	DA	Existing	100	30	0.10	0.00	0.23	0.00	0.00	0.23	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	DA	Existing	100	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DA	Existing	100	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DA	Existing	100	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.23	DA	Existing	100	30	0.37	0.00	0.86	0.00	0.00	0.86	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	DA	Existing	100	30	0.03	0.00	0.07	0.00	0.00	0.07	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.28	N	Existing	100	0	0.00	0.00	2.28	0.00	0.00	2.28	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	N	Existing	100	0	0.00	0.00	0.07	0.00	0.00	0.07	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.64	C	Existing	100	0	0.00	0.00	0.64	0.00	0.00	0.64	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.90	C	Existing	100	0	0.00	0.00	0.90	0.00	0.00	0.90	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	C	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	5.02	C	Existing	100	0	0.00	0.00	5.02	0.00	0.00	5.02	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	0.15	C	Existing	100	0	0.00	0.00	0.15	0.00	0.00	0.15	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	C	Existing	100	0	0.00	0.00	0.13	0.00	0.00	0.13	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.90	C	Existing	100	0	0.00	0.00	6.90	0.00	0.00	6.90	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	3.70	C	Existing	100	0	0.00	0.00	3.70	0.00	0.00	3.70	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	C	Existing	100	0	0.00	0.00	0.07	0.00	0.00	0.07	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.38	DA	Existing	100	30	0.11	0.00	0.27	0.00	0.00	0.27	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	DA	Existing	100	30	0.04	0.00	0.09	0.00	0.00	0.09	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.14	C	Existing	100	0	0.00	0.00	1.14	0.00	0.00	1.14	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	C	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	C	Existing	100	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.23	C	Existing	100	0	0.00	0.00	1.23	0.00	0.00	1.23	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	C	Existing	100	0	0.00	0.00	0.05	0.00	0.00	0.05	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.22	WP	Existing	100	20	0.24	0.08	0.90	0.90	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	0.63	1.02	1.13	1.37	6.79	5.40	3.62	2.41	1.48	3.73	27.60	0.58	0.14	WP	Existing	100	20	0.03	0.01	0.10	0.10	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.47	WP	Existing	100	20	0.09	0.02	0.36	0.36	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.12	WP	Existing	100	20	0.02	0.45	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	0.04	0.06	0.06	0.08	0.42	0.36	0.24	0.16	0.10	0.26	1.79	0.04	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.18	WP	Existing	100	20	0.04	0.01	0.13	0.13	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.79	WP	Existing	100	20	1.36	0.26	5.17	5.17	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.03	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.18	N	Existing	100	0	0.00	0.00	0.18	0.18	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.01	N	Existing	100	0	0.00	0.00	6.01	6.01	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.24	N	Existing	100	0	0.00	0.00	0.24	0.24	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	15.78	WP	Existing	100	20	3.16	0.00	12.63	11.36	0.00	1.26	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P1810B-182rD	13P1810B	5	10.0	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.78	WP	Existing	100	20	0.16	0.00	0.63	0.56	0.00	0.06	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.09	N	Existing	100	0	0.00	0.02	0.07	0.07	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	12.68	N	Existing	100	0	0.00	1.86	10.81	10.81	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.04	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	N	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.25	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	W	Existing	100	0	0.00	0.88	3.03	2.72	0.00	0.30	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	25.28	W	Existing	100	0	0.00	1.67	23.61	21.25	0.00	2.36	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	1.59	W	Existing	100	0	0.00	0.33	1.26	1.13	0.00	0.13	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.29	W	Existing	100	0	0.00	0.34	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.18	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	34.13	L	Existing	100	0	0.00	25.62	8.50	7.65	0.00	0.85	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	0.85	1.40	1.52	1.83	9.01	7.08	4.72	3.14	1.92	4.83	36.30	0.76	0.01	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	L	Existing	100	0	0.00	0.11	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.70	L	Existing	100	0	0.00	0.45	0.24	0.22	0.00	0.02	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	17.19	L	Existing	100	0	0.00	11.16	6.03	5.42	0.00	0.60	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	18.09	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	1.47	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.74	N	Existing	100	0	0.00	0.00	2.74	2.47	0.00	0.27	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.33	N	Existing	100	0	0.00	0.00	0.33	0.30	0.00	0.03	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	5.22	N	Existing	100	0	0.00	0.00	5.22	4.69	0.00	0.52	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	26.24	N	Existing	100	0	0.00	0.00	26.24	23.62	0.00	2.62	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.12	N	Existing	100	0	0.00	0.00	0.12	0.11	0.00	0.01	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.15	N	Existing	100	0	0.00	0.00	0.15	0.13	0.00	0.01	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.22	N	Existing	100	0	0.00	0.00	0.22	0.20	0.00	0.02	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.27	N	Existing	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.27	N	Existing	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.20	N	Existing	100	0	0.00	0.00	17.20	15.48	0.00	1.72	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.06	N	Existing	100	0	0.00	0.00	0.06	0.06	0.00	0.01	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	12.91	L	Existing	100	0	0.00	19.27	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.19	L	Existing	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.55	L	Existing	100	0	0.00	23.85	30.70	27.63	0.00	3.07	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.03	L	Existing	100	0	0.00	0.26	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.26	L	Existing	100	0	0.00	0.85	1.40	1.26	0.00	0.14	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	40.92	L	Existing	100	0	0.00	15.47	25.45	22.90	0.00	2.54	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	3.21	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.68	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.03	WP	Existing	100	20	3.41	0.00	13.62	12.26	0.00	1.36	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.53	WP	Existing	100	20	0.11	0.00	0.43	0.38	0.00	0.04	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.60	WP	Existing	100	20	2.12	0.00	8.48	7.63	0.00	0.85	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.46	WP	Existing	100	20	0.09	0.00	0.37	0.33	0.00	0.04	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.89	N	Existing	100	0	0.00	0.00	10.89	9.80	0.00	1.09	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.11	N	Existing	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.24	L	Existing	100	0	0.00	3.13	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.38	L	Existing	100	0	0.00	0.85	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	126.56	L	Existing	100	0	0.00	226.67	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	1.03	L	Existing	100	0	0.00	1.24	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	2.39	L	Existing	100	0	0.00	1.27	1.12	1.01	0.00	0.11	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	123.58	L	Existing	100	0	0.00	64.82	58.76	52.88	0.00	5.88	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2600B-155D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.59	L	Existing	100	0	0.00	3.11	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	L	Existing	100	0	0.00	7.33	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	5.54	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.14	L	Existing	100	0	0.00	4.15	4.99	4.49	0.00	0.50	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	419.99	L	Existing	100	0	0.00	190.54	229.45	206.50	0.00	22.94	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.37	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.30	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.86	N	Existing	100	0	0.00	0.00	0.86	0.77	0.00	0.09	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	14.52	N	Existing	100	0	0.00	0.00	14.52	13.07	0.00	1.45	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.43	N	Existing	100	0	0.00	0.00	0.43	0.38	0.00	0.04	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.70	N	Existing	100	0	0.00	0.00	8.70	7.83	0.00	0.87	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.20	N	Existing	100	0	0.00	0.00	0.20	0.18	0.00	0.02	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	20.02	N	Existing	100	0	0.00	0.00	20.02	18.02	0.00	2.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.28	N	Existing	100	0	0.00	0.00	0.28	0.26	0.00	0.03	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	4.62	DP	Existing	100	80	3.70	0.00	0.92	0.83	0.00	0.09	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.84	W	Existing	100	0	0.00	2.41	2.43	2.19	0.00	0.24	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.61	W	Existing	100	0	0.00	0.65	0.96	0.87	0.00	0.10	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.14	W	Existing	100	0	0.00	0.02	0.12	0.11	0.00	0.01	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	37.85	W	Existing	100	0	0.00	4.46	33.40	30.06	0.00	3.34	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.44	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.06	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.58	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.43	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.94	W	Existing	100	0	0.00	11.32	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.75	W	Existing	100	0	0.00	2.69	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	9.64	W	Existing	100	0	0.00	4.34	5.30	4.77	0.00	0.53	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Existing	100	0	0.00	0.07	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	3.36	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	2.41	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	10.01	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	11.54	W	Existing	100	0	0.00	6.62	4.93	4.43	0.00	0.49	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.65	W	Existing	100	0	0.00	0.76	0.88	0.80	0.00	0.09	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.44	W	Existing	100	0	0.00	0.06	0.38	0.34	0.00	0.04	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.05	W	Existing	100	0	0.00	1.75	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.06	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.37	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	59.34	L	Existing	100	0	0.00	9.66	49.68	44.71	0.00	4.97	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.38	L	Existing	100	0	0.00	0.03	0.35	0.32	0.00	0.04	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	68.26	L	Existing	100	0	0.00	4.83	63.43	57.08	0.00	6.34	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.63	L	Existing	100	0	0.00	2.61	52.03	46.82	0.00	5.20	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	4.08	L	Existing	100	0	0.00	0.62	3.46	3.12	0.00	0.35	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.03	L	Existing	100	0	0.00	0.35	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	2.73	L	Existing	100	0	0.00	2.26	0.47	0.42	0.00	0.05	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	15.49	L	Existing	100	0	0.00	0.64	14.85	13.37	0.00	1.49	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.15	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.37	L	Existing	100	0	0.00	0.00	16.37	14.73	0.00	1.64	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.26	L	Existing	100	0	0.00	0.00	9.26	8.33	0.00	0.93	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.67	L	Existing	100	0	0.00	0.00	0.67	0.60	0.00	0.07	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	40.72	WP	Existing	100	20	8.14	0.00	32.57	29.32	0.00	3.26	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P3400B-430D	13P3400B	5	15.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.20	WP	Existing	100	20	0.84	0.00	3.36	3.02	0.00	0.34	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.33	N	Existing	100	0	0.00	0.00	2.33	2.10	0.00	0.23	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.19	N	Existing	100	0	0.00	0.00	2.19	1.97	0.00	0.22	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.85	WP	Existing	100	20	5.57	0.00	22.28	20.05	0.00	2.23	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	16.02	WP	Existing	100	20	3.20	0.00	12.81	11.53	0.00	1.28	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.47	WP	Existing	100	20	1.29	0.00	5.18	4.66	0.00	0.52	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	W	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.10	W	Existing	100	0	0.00	0.95	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.38	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	N	Existing	100	0	0.00	0.00	0.03	0.03	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.27	N	Existing	100	0	0.00	0.00	1.27	1.14	0.00	0.13	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.02	N	Existing	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.14	N	Existing	100	0	0.00	0.00	0.14	0.13	0.00	0.01	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	N	Existing	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.44	N	Existing	100	0	0.00	0.00	2.44	2.19	0.00	0.24	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	WP	Existing	100	20	0.04	0.00	0.14	0.13	0.00	0.01	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.01	WP	Existing	100	20	0.20	0.00	0.81	0.73	0.00	0.08	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.02	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.42	WP	Existing	100	20	0.08	0.00	0.33	0.30	0.00	0.03	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.04	0.00	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	1.86	WP	Existing	100	20	0.37	0.00	1.49	1.34	0.00	0.15	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	5.91	WP	Existing	100	20	1.18	0.00	4.73	4.25	0.00	0.47	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.89	N	Existing	100	0	0.00	0.00	3.89	3.50	0.00	0.39	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	N	Existing	100	0	0.00	0.00	1.26	1.13	0.00	0.13	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.97	N	Existing	100	0	0.00	0.00	3.97	3.58	0.00	0.40	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	N	Existing	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.97	N	Existing	100	0	0.00	0.00	6.97	6.27	0.00	0.70	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.43	N	Existing	100	0	0.00	0.00	0.43	0.39	0.00	0.04	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	N	Existing	100	0	0.00	0.00	0.03	0.02	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	N	Existing	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	N	Existing	100	0	0.00	0.00	0.09	0.09	0.00	0.01	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.64	WP	Existing	100	20	0.73	0.00	2.91	2.62	0.00	0.29	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.01	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.41	WP	Existing	100	20	0.68	0.00	2.73	2.46	0.00	0.27	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.28	WP	Existing	100	20	0.66	0.00	2.63	2.36	0.00	0.26	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.83	WP	Existing	100	20	0.17	0.00	0.66	0.60	0.00	0.07	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.65	WP	Existing	100	20	0.13	0.00	0.52	0.47	0.00	0.05	0.00

Appendix B.5: Runoff Calculations - Existing Condition

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
427	1340	1738	1360	45	271	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13Q1100B-155D	13Q1100B	5	2.2	0.8	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.23	WP	Existing	100	20	0.05	0.00	0.18	0.16	0.00	0.02	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.01	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.18	WP	Existing	100	20	0.04	0.00	0.15	0.13	0.00	0.01	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.94	WP	Existing	100	20	0.19	0.00	0.75	0.68	0.00	0.08	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.75	WP	Existing	100	20	0.95	0.00	3.80	3.42	0.00	0.38	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	4.66	WP	Existing	100	20	0.93	0.00	3.73	3.35	0.00	0.37	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.11	WP	Existing	100	20	0.02	0.00	0.08	0.08	0.00	0.01	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	30.98	WP	Existing	100	20	6.20	0.00	24.78	22.30	0.00	2.48	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.11	WP	Existing	100	20	0.02	0.00	0.09	0.08	0.00	0.01	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix B
Existing Condition
Pollutant Loading Calculations

B.6 Pollutant Load Calculations – Existing Condition

Appendix B.6: Pollutant Load Calculations - Existing Condition

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total N Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
							2830	1738	8402.3	1323.0	422.2	233.3						1800.5	447.3	6179.6	642.4	4994.1	537.0	154.5	12.1	878.2	79.4	149.3	13.7
13L0800B-120A	13L0800B	4	35.0	9.6	120	Medium Density Residential	6.62	2.08	11.68	1.85	5.47	1.85	L	100	Existing	36	62	2.23	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00
13L0800B-120D	13L0800B	4	35.0	9.2	120	Medium Density Residential	7.86	3.50	19.70	3.11	5.22	3.11	L	100	Existing	36	62	5.21	0.00	9.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27	0.00
13L0800B-130A	13L0800B	4	35.0	0.2	130	High Density Residential	0.39	0.29	1.83	0.41	0.09	0.06	L	100	Existing	36	62	0.63	0.22	1.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.13
13L0800B-130D	13L0800B	4	35.0	0.9	130	High Density Residential	1.79	1.36	8.56	1.92	0.00	0.00	L	100	Existing	36	62	3.08	1.19	5.48	0.73	0.00	0.00	0.00	0.00	0.00	0.00	5.48	0.73
13L0800B-140A	13L0800B	4	35.0	0.2	140	Commercial	0.52	0.43	2.84	0.41	0.00	0.00	L	100	Existing	36	62	1.02	0.25	1.82	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.16
13L0800B-140D	13L0800B	4	35.0	0.4	140	Commercial	1.10	0.92	6.01	0.86	0.00	0.00	L	100	Existing	36	62	2.16	0.54	3.84	0.33	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.33
13L0800B-186D	13L0800B	4	35.0	7.0	186	Recreational 2 (Parks w/facilities)	1.17	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	500	Water	1.38	1.18	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-600D	13L0800B	4	35.0	4.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	8100	Transportation	3.00	2.54	9.45	1.15	0.69	0.45	L	100	Existing	36	62	3.15	0.44	5.61	0.27	0.00	0.00	0.00	0.00	0.00	0.00	5.61	0.27
13L0801B-120A	13L0801B	4	26.1	0.3	120	Medium Density Residential	0.18	0.04	0.20	0.03	0.00	0.00	DP	100	Existing	80	80	0.16	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01
13L0801B-120D	13L0801B	4	26.1	7.4	120	Medium Density Residential	6.32	1.26	7.11	1.12	1.06	0.68	DP	100	Existing	80	80	4.84	0.36	1.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.09
13L0801B-130A	13L0801B	4	26.1	9.3	130	High Density Residential	16.92	3.38	21.35	4.79	7.09	4.55	DP	100	Existing	80	80	11.41	0.19	2.85	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.05
13L0801B-130D	13L0801B	4	26.1	1.2	130	High Density Residential	2.39	0.48	3.02	0.68	0.72	0.46	DP	100	Existing	80	80	1.84	0.17	0.46	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.04
13L0801B-140A	13L0801B	4	26.1	4.7	140	Commercial	13.48	2.70	17.59	2.53	0.00	0.00	DP	100	Existing	80	80	14.08	2.02	3.52	0.51	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.51
13L0801B-140D	13L0801B	4	26.1	0.4	140	Commercial	1.05	0.21	1.37	0.20	0.06	0.04	DP	100	Existing	80	80	1.04	0.12	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.03
13L0801B-186A	13L0801B	4	26.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	186	Recreational 2 (Parks w/facilities)	0.44	0.09	0.38	0.05	0.38	0.05	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-430A	13L0801B	4	26.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	120	Medium Density Residential	0.40	0.32	1.78	0.28	0.10	0.06	WP	100	Existing	36	62	0.61	0.14	1.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.08
13L0820B-120D	13L0820B	4	24.7	7.8	120	Medium Density Residential	6.69	5.35	30.13	4.76	0.87	0.56	WP	100	Existing	36	62	10.53	2.60	18.73	1.60	0.00	0.00	0.00	0.00	0.00	0.00	18.73	1.60
13L0820B-130A	13L0820B	4	24.7	2.4	130	High Density Residential	4.31	3.45	21.74	4.87	0.00	0.00	WP	100	Existing	36	62	7.83	3.02	13.91	1.85	0.00	0.00	0.00	0.00	0.00	0.00	13.91	1.85
13L0820B-130D	13L0820B	4	24.7	4.7	130	High Density Residential	9.20	7.36	46.45	10.41	0.00	0.00	WP	100	Existing	36	62	16.72	6.45	29.73	3.96	0.00	0.00	0.00	0.00	0.00	0.00	29.73	3.96
13L0820B-140D	13L0820B	4	24.7	4.6	140	Commercial	13.56	10.85	70.81	10.18	0.00	0.00	WP	100	Existing	36	62	25.49	6.31	45.32	3.87	0.00	0.00	0.00	0.00	0.00	0.00	45.32	3.87
13L0820B-186D	13L0820B	4	24.7	3.6	186	Recreational 2 (Parks w/facilities)	0.61	0.49	2.14	0.25	0.50	0.25	WP	100	Existing	36	62	0.59	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00
13L0820B-500D	13L0820B	4	24.7	1.0	500	Water	3.42	2.74	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-120A	13L1000B	3	59.8	4.0	120	Medium Density Residential	2.79	1.93	10.89	1.72	1.09	0.70	L	100	Existing	36	62	3.53	0.63	6.27	0.39	0.00	0.00	0.00	0.00	6.27	0.39	0.00	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	120	Medium Density Residential	22.93	17.23	97.00	15.32	8.17	5.24	L	100	Existing	36	62	31.98	6.25	56.86	3.83	0.00	0.00	0.00	0.00	56.86	3.83	0.00	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	182r	Golf Course (w/Reclaimed Irrigation)	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	186	Recreational 2 (Parks w/facilities)	0.09	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	8100	Transportation	3.58	3.33	12.41	1.51	2.93	1.51	L	100	Existing	36	62	3.41	0.00	6.07	0.00	0.00	0.00	0.00	0.00	6.07	0.00	0.00	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	120	Medium Density Residential	0.36	0.29	1.61	0.25	0.38	0.25	GCP-3	100	Existing	41	72	0.51	0.01	0.72	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	120	Medium Density Residential	4.73	3.78	21.29	3.36	2.91	1.86	GCP-3	100	Existing	41	72	7.60	1.08	10.78	0.42	0.00	0.00	10.78	0.42	0.00	0.00	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-3	100	Existing	41	72	0.15	0.04	0.21	0.02	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	120	Medium Density Residential	1.96	1.57	8.83	1.40	0.63	0.41	WP	100	Existing	36	62	2.95	0.61	5.25	0.38	0.00	0.00	5.25	0.38	0.00	0.00	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	120	Medium Density Residential	3.84	3.07	17.31	2.73	2.05	1.32	WP	100	Existing	36	62	5.49	0.88	9.76	0.54	0.00	0.00	9.76	0.54	0.00	0.00	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	500	Water	2.70	2.16	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	110	Low Density Residential	0.06	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	120	Medium Density Residential	19.73	11.98	67.46	10.66	12.07	7.74	W	100	Existing	20	30	11.08	0.87	44.31	2.04	0.00	0.00	0.00	0.00	44.31	2.04	0.00	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	130	High Density Residential	0.01	0.01	0.04	0.01	0.00	0.00	W	100	Existing	20	30	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	120	Medium Density Residential	0.11	0.11	0.59	0.09	0.00	0.00	L	100	Existing	36	62	0.21	0.06	0.38	0.04	0.00	0.00	0.38	0.04	0.00	0.00	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	120	Medium Density Residential	24.79	23.32	131.27	20.74	3.55	2.28	L	100	Existing	36	62	45.98	11.44	81.74	7.01	0.00	0.00	81.74	7.01	0.00	0.00	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	182r	Golf Course (w/Reclaimed Irrigation)	0.25	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	500	Water	0.01	0.01	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	120	Medium Density Residential	4.25	4.25	23.94	3.78	2.97	1.91	N	100	Existing	0	0	0.00	0.00	20.97	1.88	0.00	0.00	20.97	1.88	0.00	0.00	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	120	Medium Density Residential	0.77	0.77	4.33	0.68	1.44	0.68	N	100	Existing	0	0	0.00	0.00	2.89	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.01	0.00	0.01	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.09	0.62	0.10	0.62	0.10	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	120	Medium Density Residential	1.57	1.25	7.05	1.11	3.47	1.11	GCP-11	100	Existing	23	51	0.83	0.00	2.75	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	120	Medium Density Residential	3.91	3.13	17.61	2.78	0.46	0.29	GCP-11	100	Existing	23	51	3.99	1.27	13.16	1.22	0.00	0.00	13.16	1.22	0.00	0.00	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.00	0.03	0.00	0.03	0.00	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.03	0.19	0.03	0.19	0.03	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	120	Medium Density Residential	1.18	1.18	6.63	1.05	0.75	0.48	N	100	Existing	0	0	0.00	0.00	5.88	0.57	0.00	0.00	5.88	0.57	0.00	0.00	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.01	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	120	Medium Density Residential	1.47	1.47	8.27	1.31	2.46	1.31	L	100	Existing	36	62	2.09	0.00	3.72	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	120	Medium Density Residential	22.88	22.88	128.77	20.34	10.54	6.76	L	100	Existing	36	62	42.56	8.42	75.67	5.16	75.67	5.16	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.05	0.34	0.06	0.00	0.00	L	100	Existing	36	62	0.12	0.03	0.22	0.02	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	500	Water	0.21	0.21	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	120	Medium Density Residential	0.54	0.43	2.43	0.38	1.67	0.38	GCP-7A	100	Existing	41	71	0.31	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.46	0.08	0.46	0.08	GCP-7A	100	Existing	41	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	500	Water	1.09	0.88	0.00	0.00	0.00	0.00	GCP-7A	100	Existing	41	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7A	100	Existing	41	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	120	Medium Density Residential	2.03	0.41	2.28	0.36	1.33	0.36	DP	100	Existing	80	80	0.76	0.00	0.19	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	170	Institutional	15.98	3.20	13.99	1.66	0.00	0.00	DP	100	Existing	80	80	11.19	1.33	2.80	0.33	2.80	0.33	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	120	Medium Density Residential	7.11	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	170	Institutional	5.03	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	120	Medium Density Residential	42.15	42.15	237.28	37.48	34.32	22.01	N	100	Existing	0	0	0.00	0.00	202.96	15.47	202.96	15.47	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	130	High Density Residential	5.96	5.96	37.60	8.43	0.00	0.00	N	100	Existing	0	0	0.00	0.00	37.60	8.43	37.60	8.43	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	140	Commercial	29.17	29.17	190.35	27.36	4.18	2.68	N	100	Existing	0	0	0.00	0.00	186.18	24.68	186.18	24.68

Appendix B.6: Pollutant Load Calculations - Existing Condition

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total N Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13L1885B-600D	13L1885B	1	27.2	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7B	100	Existing	18	48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	120	Medium Density Residential	3.49	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	120	Medium Density Residential	7.96	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	182r	Golf Course (w/Reclaimed Irrigation)	0.15	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	120	Medium Density Residential	1.99	1.59	8.95	1.41	1.96	1.25	GCP-8	100	Existing	37	62	2.57	0.10	4.42	0.06	4.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-8	100	Existing	37	62	0.13	0.04	0.23	0.02	0.23	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	100	Existing	37	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	120	Medium Density Residential	41.78	41.78	235.18	37.15	38.44	24.65	N	100	Existing	0	0	0.00	0.00	196.74	12.50	196.74	12.50	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	140	Commercial	29.50	29.50	192.51	27.67	5.52	3.54	N	100	Existing	0	0	0.00	0.00	186.99	24.13	186.99	24.13	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	186	Recreational 2 (Parks w/facilities)	0.16	0.16	0.69	0.08	0.11	0.07	N	100	Existing	0	0	0.00	0.00	0.58	0.01	0.58	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	120	Medium Density Residential	3.15	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	182r	Golf Course (w/Reclaimed Irrigation)	0.20	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	120	Medium Density Residential	2.97	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	120	Medium Density Residential	8.90	8.90	50.12	7.92	7.74	4.96	N	100	Existing	0	0	0.00	0.00	42.38	2.95	42.38	2.95	0.00	0.00	0.00	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	120	Medium Density Residential	7.93	7.93	44.63	7.05	6.11	3.92	N	100	Existing	0	0	0.00	0.00	38.52	3.13	38.52	3.13	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	120	Medium Density Residential	24.52	24.52	138.03	21.80	17.78	11.40	N	100	Existing	0	0	0.00	0.00	120.25	10.40	120.25	10.40	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	140	Commercial	1.84	1.84	11.99	1.72	0.71	0.46	N	100	Existing	0	0	0.00	0.00	11.28	1.27	11.28	1.27	0.00	0.00	0.00	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	120	Medium Density Residential	3.86	3.86	21.70	3.43	2.75	1.76	N	100	Existing	0	0	0.00	0.00	18.95	1.66	18.95	1.66	0.00	0.00	0.00	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	120	Medium Density Residential	16.70	16.70	94.02	14.85	12.56	8.05	N	100	Existing	0	0	0.00	0.00	81.46	6.80	81.46	6.80	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	120	Medium Density Residential	2.12	1.70	9.56	1.51	0.00	0.00	WP	100	Existing	36	62	3.44	0.94	6.12	0.57	6.12	0.57	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	500	Water	2.10	1.68	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	120	Medium Density Residential	3.66	3.66	20.60	3.25	4.06	2.60	N	100	Existing	0	0	0.00	0.00	16.54	0.65	16.54	0.65	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	120	Medium Density Residential	2.59	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	130	High Density Residential	5.72	1.33	8.39	1.88	2.35	1.51	W	100	Existing	20	30	1.21	0.11	4.83	0.26	4.83	0.26	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	140	Commercial	1.16	0.55	3.60	0.52	0.00	0.00	W	100	Existing	20	30	0.72	0.16	2.88	0.36	2.88	0.36	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	140	Commercial	7.06	3.41	22.25	3.20	1.93	1.24	W	100	Existing	20	30	4.06	0.59	16.26	1.37	16.26	1.37	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	186	Recreational 2 (Parks w/facilities)	0.25	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	120	Medium Density Residential	0.76	0.60	3.40	0.54	0.00	0.00	WP	100	Existing	36	62	1.22	0.33	2.18	0.20	2.18	0.20	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	120	Medium Density Residential	0.99	0.79	4.47	0.71	0.00	0.00	WP	100	Existing	36	62	1.61	0.44	2.86	0.27	2.86	0.27	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	130	High Density Residential	26.35	21.08	132.98	29.81	0.00	0.00	WP	100	Existing	36	62	47.87	18.48	85.10	11.33	85.10	11.33	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	130	High Density Residential	0.83	0.66	4.19	0.94	0.00	0.00	WP	100	Existing	36	62	1.51	0.58	2.68	0.36	2.68	0.36	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	140	Commercial	0.02	0.02	0.12	0.02	0.00	0.00	WP	100	Existing	36	62	0.04	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	130	High Density Residential	0.01	0.00	0.02	0.00	0.00	0.00	DP	100	Existing	80	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	130	High Density Residential	0.08	0.02	0.10	0.02	0.00	0.00	DP	100	Existing	80	80	0.08	0.02	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	140	Commercial	1.12	0.22	1.46	0.21	0.00	0.00	DP	100	Existing	80	80	1.17	0.17	0.29	0.04	0.29	0.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	140	Commercial	10.94	2.19	14.28	2.05	0.00	0.00	DP	100	Existing	80	80	11.42	1.64	2.86	0.41	2.86	0.41	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	130	High Density Residential	0.18	0.04	0.22	0.05	0.00	0.00	DP	100	Existing	80	80	0.18	0.04	0.04	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	140	Commercial	38.86	7.77	50.72	7.29	0.00	0.00	DP	100	Existing	80	80	40.58	5.83	10.14	1.46	10.14	1.46	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	140	Commercial	2.13	0.43	2.78	0.40	0.00	0.00	DP	100	Existing	80	80	2.23	0.32	0.56	0.08	0.56	0.08	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	120	Medium Density Residential	0.35	0.35	1.94	0.31	0.00	0.00	C	100	Existing	0	0	0.00	0.00	1.94	0.31	1.94	0.31	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	130	High Density Residential	6.13	6.13	38.68	8.67	0.00	0.00	C	100	Existing	0	0	0.00	0.00	38.68	8.67	38.68	8.67	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	140	Commercial	1.01	1.01	6.56	0.94	0.20	0.13	C	100	Existing	0	0	0.00	0.00	6.36	0.81	6.36	0.81	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	500	Water	2.07	2.07	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	120	Medium Density Residential	4.28	3.43	19.29	3.05	2.83	1.81	WP	100	Existing	36	62	5.93	0.76	10.53	0.47	10.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	130	High Density Residential	0.02	0.01	0.08	0.02	0.04	0.02	WP	100	Existing	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.05	0.01	0.00	0.00	WP	100	Existing	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	140	Commercial	0.50	0.40	2.63	0.38	0.00	0.00	WP	100	Existing	36	62	0.95	0.23	1.69	0.14	1.69	0.14	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	140	Commercial	60.81	48.65	317.50	45.64	0.00	0.00	WP	100	Existing	36	62	114.30	28.30	203.20	17.34	203.20	17.34	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	186	Recreational 2 (Parks w/facilities)	0.04	0.03	0.13	0.02	0.00	0.00	WP	100	Existing	36	62	0.05	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	500	Water	9.05	7.24	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.01	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.03	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	130	High Density Residential	2.69	2.69	16.95	3.80	0.00	0.00	C	100	Existing	0	0	0.00	0.00	16.95	3.80	16.95	3.80	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	140	Commercial	0.10	0.10	0.67	0.10	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.67	0.10	0.67	0.10	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	500	Water	0.78	0.78	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	120	Medium Density Residential	0.01	0.00	0.01	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	120	Medium Density Residential	0.72	0.26	1.44	0.23	0.00	0.00	W	100	Existing	20	30	0.29	0.07	1.15	0.16	1.15	0.16	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-130A	13L3140B	1	38.1	0.3	130	High Density Residential	0.54	0.37	2.37	0.53	0.00	0.00	W	100	Existing	20	30	0.47	0.16	1.89	0.37	1.89	0.37	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	140	Commercial	14.22	11.50	75.08	10.79	0.00	0.00	W	100	Existing	20	30	15.02	3.24	60.07	7.56	60.07	7.56	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	140	Commercial	54.14	43.95	286.85	41.23	0.00	0.00	W	100	Existing	20	30	57.37	12.37	229.48	28.86	229.48	28.86	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	186	Recreational 2 (Parks w/facilities)	0.97	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-600D	13L3140B	1	38.1	5.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	120	Medium Density Residential	2.93	2.34	13.18	2.08	1.06	0.68	WP	100	Existing	36	62	4.36	0.87	7.76	0.53	0.00	0.00	0.00	0.00	7.76	0.53	0.00	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	120	Medium Density Residential	6.33	5.06	28.50	4.50	0.76	0.49	WP	100	Existing	36	62	9.99	2.49	17.75	1.53	0.00	0.00	0.00	0.00	17.75	1.53	0.00	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	500	Water	1.87	1.50	0.00	0

Appendix B.6: Pollutant Load Calculations - Existing Condition

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total N Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13N0100B-500D	13N0100B	3	15.6	1.4	500	Water	4.72	3.78	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	120	Medium Density Residential	0.80	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	120	Medium Density Residential	1.43	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	120	Medium Density Residential	11.70	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	500	Water	0.95	0.42	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	500	Water	33.18	14.63	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	8100	Transportation	0.27	0.11	0.40	0.05	0.22	0.05	L	100	Existing	36	62	0.06	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	120	Medium Density Residential	5.30	5.30	29.82	4.71	3.13	2.01	N	100	Existing	0	0	0.00	0.00	26.69	2.70	0.00	0.00	0.00	0.00	26.69	2.70	0.00	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	120	Medium Density Residential	0.04	0.04	0.21	0.03	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.21	0.03	0.00	0.00	0.00	0.00	0.21	0.03	0.00	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	130	High Density Residential	0.04	0.04	0.27	0.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.27	0.06	0.00	0.00	0.00	0.00	0.27	0.06	0.00	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	186	Recreational 2 (Parks w/facilities)	0.23	0.23	1.03	0.12	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.03	0.12	0.00	0.00	0.00	0.00	1.03	0.12	0.00	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	120	Medium Density Residential	1.04	0.83	4.69	0.74	0.10	0.07	GCP-4	100	Existing	36	62	1.66	0.42	2.92	0.26	0.00	0.00	0.00	0.00	2.92	0.26	0.00	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	120	Medium Density Residential	7.85	6.28	35.33	5.58	6.30	4.04	GCP-4	100	Existing	36	62	10.53	0.95	18.49	0.59	0.00	0.00	0.00	0.00	18.49	0.59	0.00	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-4	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.09	0.58	0.10	0.02	0.02	GCP-4	100	Existing	36	62	0.20	0.05	0.36	0.03	0.00	0.00	0.00	0.00	0.36	0.03	0.00	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	120	Medium Density Residential	0.03	0.02	0.14	0.02	0.14	0.02	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	120	Medium Density Residential	13.18	10.54	59.33	9.37	3.97	2.54	WP	100	Existing	36	62	19.93	4.23	35.43	2.59	0.00	0.00	0.00	0.00	35.43	2.59	0.00	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	182r	Golf Course (w/Reclaimed Irrigation)	0.27	0.22	1.46	0.24	1.46	0.24	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	120	Medium Density Residential	2.05	2.05	11.52	1.82	2.51	1.61	N	100	Existing	0	0	0.00	0.00	9.01	0.21	0.00	0.00	0.00	0.00	9.01	0.21	0.00	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	120	Medium Density Residential	21.77	21.77	122.52	19.36	18.32	11.75	N	100	Existing	0	0	0.00	0.00	104.21	7.61	0.00	0.00	0.00	0.00	104.21	7.61	0.00	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	120	Medium Density Residential	21.75	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	500	Water	16.08	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	120	Medium Density Residential	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	120	Medium Density Residential	0.44	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	500	Water	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	120	Medium Density Residential	19.85	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	120	Medium Density Residential	11.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	120	Medium Density Residential	0.28	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	140	Commercial	15.39	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	140	Commercial	0.58	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	500	Water	0.82	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	500	Water	0.88	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	500	Water	52.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	120	Medium Density Residential	1.58	0.16	0.89	0.14	0.70	0.14	N	100	Existing	0	0	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	120	Medium Density Residential	13.45	1.34	7.57	1.20	6.84	1.20	N	100	Existing	0	0	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	185	Recreational 1 (Parks w/little impervious)	0.16	0.02	0.07	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	120	Medium Density Residential	4.20	0.42	2.37	0.37	2.37	0.37	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	120	Medium Density Residential	1.62	0.16	0.91	0.14	0.91	0.14	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	120	Medium Density Residential	0.08	0.01	0.04	0.01	0.04	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	140	Commercial	0.56	0.06	0.36	0.05	0.00	0.00	DP	100	Existing	80	80	0.29	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	140	Commercial	8.68	0.87	5.67	0.81	0.00	0.00	DP	100	Existing	80	80	4.53	0.65	1.13	0.16	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	186	Recreational 2 (Parks w/facilities)	0.07	0.01	0.03	0.00	0.00	0.00	DP	100	Existing	80	80	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	120	Medium Density Residential	8.73	0.87	4.91	0.78	4.80	0.78	N	100	Existing	0	0	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	120	Medium Density Residential	6.78	0.68	3.82	0.60	3.82	0.60	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	120	Medium Density Residential	16.15	1.61	9.09	1.44	9.09	1.44	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	120	Medium Density Residential	10.62	1.06	5.98	0.94	5.98	0.94	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	120	Medium Density Residential	2.40	0.24	1.35	0.21	0.00	0.00	WP	100	Existing	36	62	0.49	0.13	0.87	0.08	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	120	Medium Density Residential	38.98	3.90	21.94	3.47	21.94	3.47	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	120	Medium Density Residential	6.13	0.61	3.45	0.55	2.31	0.55	WP	100	Existing	36	62	0.41	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	185	Recreational 1 (Parks w/little impervious)	0.03	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	120	Medium Density Residential	0.05	0.04	0.21	0.03	0.00	0.00	WP	100	Existing	36	62	0.08	0.02	0.14	0.01	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	120	Medium Density Residential	3.47	2.77	15.61	2.47	0.08	0.05	WP	100	Existing	36	62	5.59	1.50	9.94	0.92	0.00	0.00	0.00	0.00	9.94	0.92	0.00	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	500	Water	2.14	1.71	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix B.6: Pollutant Load Calculations - Existing Condition

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total N Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13N0900B-120D	13N0900B	3	7.4	5.6	120	Medium Density Residential	4.76	3.81	21.45	3.39	2.44	1.56	WP	100	Existing	36	62	6.84	1.13	12.17	0.69	0.00	0.00	0.00	0.00	12.17	0.69	0.00	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	500	Water	3.08	2.46	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	120	Medium Density Residential	0.80	0.80	4.52	0.71	0.25	0.16	N	100	Existing	0	0	0.00	0.00	4.26	0.55	0.00	0.00	0.00	0.00	4.26	0.55	0.00	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	120	Medium Density Residential	7.97	7.97	44.85	7.08	5.92	3.80	N	100	Existing	0	0	0.00	0.00	38.92	3.29	0.00	0.00	0.00	0.00	38.92	3.29	0.00	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.06	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	120	Medium Density Residential	0.04	0.04	0.22	0.03	0.22	0.03	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	120	Medium Density Residential	0.58	0.58	3.29	0.52	0.87	0.52	N	100	Existing	0	0	0.00	0.00	2.43	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.03	0.22	0.04	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.22	0.04	0.00	0.00	0.00	0.00	0.22	0.04	0.00	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	120	Medium Density Residential	1.29	0.47	2.66	0.42	0.49	0.31	W	100	Existing	20	30	0.43	0.03	1.74	0.07	0.00	0.00	0.00	0.00	1.74	0.07	0.00	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	120	Medium Density Residential	4.97	2.43	13.68	2.16	5.82	2.16	W	100	Existing	20	30	1.57	0.00	6.29	0.00	0.00	0.00	0.00	0.00	6.29	0.00	0.00	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	120	Medium Density Residential	1.41	0.99	5.57	0.88	0.00	0.00	DA	100	Existing	20	40	1.11	0.35	4.45	0.53	0.00	0.00	0.00	0.00	4.45	0.53	0.00	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	120	Medium Density Residential	0.33	0.23	1.29	0.20	0.00	0.00	DA	100	Existing	20	40	0.26	0.08	1.03	0.12	0.00	0.00	0.00	0.00	1.03	0.12	0.00	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	DA	100	Existing	20	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DA	100	Existing	20	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DA	100	Existing	20	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	120	Medium Density Residential	1.23	0.86	4.84	0.76	0.00	0.00	DA	100	Existing	20	40	0.97	0.31	3.87	0.46	0.00	0.00	0.00	0.00	3.87	0.46	0.00	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.07	0.50	0.08	0.00	0.00	DA	100	Existing	20	40	0.10	0.03	0.40	0.05	0.00	0.00	0.00	0.00	0.40	0.05	0.00	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	120	Medium Density Residential	2.28	2.28	12.86	2.03	1.07	0.69	N	100	Existing	0	0	0.00	0.00	11.79	1.34	0.00	0.00	0.00	0.00	11.79	1.34	0.00	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.07	0.44	0.07	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.44	0.07	0.00	0.00	0.00	0.00	0.44	0.07	0.00	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	120	Medium Density Residential	0.64	0.64	3.61	0.57	0.00	0.00	C	100	Existing	0	0	0.00	0.00	3.61	0.57	0.00	0.00	0.00	0.00	3.61	0.57	0.00	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	120	Medium Density Residential	0.90	0.90	5.05	0.80	0.00	0.00	C	100	Existing	0	0	0.00	0.00	5.05	0.80	0.00	0.00	0.00	0.00	5.05	0.80	0.00	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.04	0.30	0.05	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.30	0.05	0.00	0.00	0.00	0.00	0.30	0.05	0.00	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	120	Medium Density Residential	5.02	5.02	28.28	4.47	1.48	0.95	C	100	Existing	0	0	0.00	0.00	26.80	3.52	0.00	0.00	0.00	0.00	26.80	3.52	0.00	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	170	Institutional	0.15	0.15	0.64	0.08	0.07	0.05	C	100	Existing	0	0	0.00	0.00	0.56	0.03	0.00	0.00	0.00	0.00	0.56	0.03	0.00	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.13	0.86	0.14	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.86	0.14	0.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	120	Medium Density Residential	6.90	6.90	38.87	6.14	5.84	3.75	C	100	Existing	0	0	0.00	0.00	33.02	2.39	0.00	0.00	0.00	0.00	33.02	2.39	0.00	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	140	Commercial	3.70	3.70	24.12	3.47	1.72	1.10	C	100	Existing	0	0	0.00	0.00	22.41	2.37	0.00	0.00	0.00	0.00	22.41	2.37	0.00	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.07	0.49	0.08	0.49	0.08	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	120	Medium Density Residential	0.38	0.27	1.50	0.24	0.00	0.00	DA	100	Existing	20	40	0.30	0.09	1.20	0.14	0.00	0.00	0.00	0.00	1.20	0.14	0.00	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.09	0.61	0.10	0.00	0.00	DA	100	Existing	20	40	0.12	0.04	0.49	0.06	0.00	0.00	0.00	0.00	0.49	0.06	0.00	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	120	Medium Density Residential	1.14	1.14	6.43	1.02	0.00	0.00	C	100	Existing	0	0	0.00	0.00	6.43	1.02	0.00	0.00	0.00	0.00	6.43	1.02	0.00	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.04	0.01	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	120	Medium Density Residential	0.02	0.02	0.11	0.02	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	130	High Density Residential	1.23	1.23	7.78	1.74	0.29	0.19	C	100	Existing	0	0	0.00	0.00	7.48	1.56	0.00	0.00	0.00	0.00	7.48	1.56	0.00	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.05	0.35	0.06	0.35	0.06	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	130	High Density Residential	1.22	0.90	5.67	1.27	0.00	0.00	WP	100	Existing	36	62	2.04	0.79	3.63	0.48	3.63	0.48	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	130	High Density Residential	0.14	0.10	0.65	0.15	0.00	0.00	WP	100	Existing	36	62	0.23	0.09	0.42	0.06	0.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	140	Commercial	0.47	0.36	2.33	0.34	0.00	0.00	WP	100	Existing	36	62	0.84	0.21	1.49	0.13	1.49	0.13	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	182r	Golf Course (w/Reclaimed Irrigation)	0.12	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	500	Water	0.18	0.13	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	500	Water	6.79	5.17	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	120	Medium Density Residential	0.18	0.18	1.00	0.16	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.00	0.16	1.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	130	High Density Residential	6.01	6.01	37.90	8.49	0.00	0.00	N	100	Existing	0	0	0.00	0.00	37.90	8.49	37.90	8.49	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	140	Commercial	0.24	0.24	1.56	0.22	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.56	0.22	1.56	0.22	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	140	Commercial	15.78	12.63	82.41	11.85	0.11	0.07	WP	100	Existing	36	62	29.63	7.30	52.67	4.48	47.41	4.03	0.00	0.00	5.27	0.45	0.00	0.00
13P1810B-182rD	13P1810B	5	10.0	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	186	Recreational 2 (Parks w/facilities)	0.78	0.63	2.74	0.33	0.16	0.10	WP	100	Existing	36	62	0.93	0.14	1.65	0.08	1.49	0.08	0.00	0.00	0.17	0.01	0.00	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	130	High Density Residential	0.09	0.07	0.46	0.10	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.46	0.10	0.46	0.10	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	140	Commercial	12.68	10.81	70.57	10.14	0.00	0.00	N	100	Existing	0	0	0.00	0.00	70.57	10.14	70.57	10.14	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	120	Medium Density Residential	3.91	3.03	17.03	2.69	1.62	1.04	W	100	Existing	20	30	3.08	0.49	12.32	1.15	11.09	1.04	0.00	0.00	1.23	0.12	0.00	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	140	Commercial	25.28	23.61	154.06	22.15	2.36	1.51	W	100	Existing	20	30	30.34	6.19	121.36	14.44	109.23	13.00	0.00	0.00	12.14	1.44	0.00	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	170	Institutional	1.59	1.26	5.51	0.65	0.84	0.54	W	100	Existing	20	30	0.93	0.03	3.73	0.08	3.36	0.07	0.00	0.00	0.37	0.01	0.00	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	186	Recreational 2 (Parks w/facilities)	0.29	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	140	Commercial	34.13	8.50	55.49	7.98	0.00	0.00	L	100	Existing	36	62	19.98	4.95	35.51	3.03	31.96	2.73	0.00	0.00	3.55	0.30	0.00	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	140	Commercial	0.01	0.00	0.02	0.00	0.00	0.00	L	100	Existing	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	500	Water	0.70	0.24	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	500	Water	17.19	6.03	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	140	Commercial	2.74	2.74	17.89	2.57	0.00	0.00	N	100	Existing	0	0	0.00	0.00	17.89	2.57	16.10	2.31	0.00	0.00	1.79	0.26	0.00	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	186	Recreational 2 (Parks w/facilities)	0.33	0.33	1.46	0.17	0.08	0.05	N	100	Existing	0	0	0.00	0.00	1.38	0.12	1.24	0.11	0.00	0.00	0.14	0.01	0.00	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	140	Commercial	5.22	5.22	34.04	4.89	0.00	0.00	N	100	Existing	0	0	0.00	0.00	34.04	4.89	30.64	4.40	0.00	0.00	3.40	0.49	0.00	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	140	Commercial	26.24	26.24	171.27	24.62	0.00	0.00	N	100	Existing	0	0	0.00	0.00	171.27	24.62	154.14	22.16	0.00	0.00	17.13	2.46	0.00	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	140	Commercial	0.12	0.12	0.79	0.11	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.79	0.11	0.71	0.10	0.00	0.00	0.08	0.01	0.00	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	186	Recreational 2 (Parks w/facilities)	0.15	0.15	0.64	0.08	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.64	0.08	0.58	0.07	0.00	0.00	0.06	0.01	0.00	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	140	Commercial	0.22	0.22	1.45	0.21	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.45	0.21	1.30	0.19	0.00	0.00	0.14	0.02	0.00	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	186	Recreational 2 (Parks w/facilities)	0.27	0.27	1.19	0.14	0.00	0.00	N	100	Existing	0

Appendix B.6: Pollutant Load Calculations - Existing Condition

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total N Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P2250B-500D	13P2250B	5	49.8	0.7	500	Water	2.26	1.40	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	500	Water	40.92	25.45	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	140	Commercial	17.03	13.62	88.89	12.78	0.33	0.21	WP	100	Existing	36	62	31.88	7.79	56.68	4.77	51.01	4.30	0.00	0.00	5.67	0.48	0.00	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	186	Recreational 2 (Parks w/facilities)	0.53	0.43	1.86	0.22	0.00	0.00	WP	100	Existing	36	62	0.67	0.14	1.19	0.08	1.07	0.08	0.00	0.00	0.12	0.01	0.00	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	140	Commercial	10.60	8.48	55.34	7.96	0.00	0.00	WP	100	Existing	36	62	19.92	4.93	35.42	3.02	31.88	2.72	0.00	0.00	3.54	0.30	0.00	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	186	Recreational 2 (Parks w/facilities)	0.46	0.37	1.61	0.19	0.00	0.00	WP	100	Existing	36	62	0.58	0.12	1.03	0.07	0.93	0.07	0.00	0.00	0.10	0.01	0.00	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	140	Commercial	10.89	10.89	71.09	10.22	0.00	0.00	N	100	Existing	0	0	0.00	0.00	71.09	10.22	63.98	9.20	0.00	0.00	7.11	1.02	0.00	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	186	Recreational 2 (Parks w/facilities)	0.11	0.11	0.48	0.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.48	0.06	0.43	0.05	0.00	0.00	0.05	0.01	0.00	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	110	Low Density Residential	0.24	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	120	Medium Density Residential	0.38	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	120	Medium Density Residential	126.56	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	120	Medium Density Residential	1.03	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	130	High Density Residential	0.00	0.00	0.01	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	140	Commercial	2.39	1.12	7.29	1.05	0.00	0.00	L	100	Existing	36	62	2.62	0.65	4.67	0.40	4.20	0.36	0.00	0.00	0.47	0.04	0.00	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	140	Commercial	123.58	58.76	383.47	55.12	0.00	0.00	L	100	Existing	36	62	138.05	34.18	245.42	20.95	220.88	18.85	0.00	0.00	24.54	2.09	0.00	0.00
13P2600B-155D	13P2600B	5	344.8	2.0	155	Industrial	0.59	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	185	Recreational 1 (Parks w/little impervious)	0.16	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	500	Water	9.14	4.99	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	500	Water	419.99	229.45	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	120	Medium Density Residential	0.86	0.86	4.84	0.76	0.00	0.00	N	100	Existing	0	0	0.00	0.00	4.84	0.76	4.36	0.69	0.00	0.00	0.48	0.08	0.00	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	140	Commercial	14.52	14.52	94.75	13.62	0.00	0.00	N	100	Existing	0	0	0.00	0.00	94.75	13.62	85.27	12.26	0.00	0.00	9.47	1.36	0.00	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	186	Recreational 2 (Parks w/facilities)	0.43	0.43	1.86	0.22	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.86	0.22	1.68	0.20	0.00	0.00	0.19	0.02	0.00	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	140	Commercial	8.70	8.70	56.78	8.16	0.00	0.00	N	100	Existing	0	0	0.00	0.00	56.78	8.16	51.10	7.35	0.00	0.00	5.68	0.82	0.00	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	186	Recreational 2 (Parks w/facilities)	0.20	0.20	0.86	0.10	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.86	0.10	0.78	0.09	0.00	0.00	0.09	0.01	0.00	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	140	Commercial	20.02	20.02	130.68	18.78	0.00	0.00	N	100	Existing	0	0	0.00	0.00	130.68	18.78	117.61	16.91	0.00	0.00	13.07	1.88	0.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	186	Recreational 2 (Parks w/facilities)	0.28	0.28	1.25	0.15	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.25	0.15	1.12	0.13	0.00	0.00	0.12	0.01	0.00	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	140	Commercial	4.62	0.92	6.03	0.87	0.00	0.00	DP	100	Existing	80	80	4.82	0.69	1.21	0.17	1.09	0.16	0.00	0.00	0.12	0.02	0.00	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	120	Medium Density Residential	4.84	2.43	13.69	2.16	0.00	0.00	W	100	Existing	20	30	2.74	0.65	10.95	1.51	9.86	1.36	0.00	0.00	1.10	0.15	0.00	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	120	Medium Density Residential	1.61	0.96	5.42	0.86	0.00	0.00	W	100	Existing	20	30	1.08	0.26	4.34	0.60	3.90	0.54	0.00	0.00	0.43	0.06	0.00	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	140	Commercial	0.14	0.12	0.78	0.11	0.00	0.00	W	100	Existing	20	30	0.16	0.03	0.63	0.08	0.56	0.07	0.00	0.00	0.06	0.01	0.00	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	140	Commercial	37.85	33.40	217.95	31.33	0.00	0.00	W	100	Existing	20	30	43.59	9.40	174.36	21.93	156.93	19.74	0.00	0.00	17.44	2.19	0.00	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	120	Medium Density Residential	5.94	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	120	Medium Density Residential	1.75	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	140	Commercial	9.64	5.30	34.57	4.97	0.00	0.00	W	100	Existing	20	30	6.91	1.49	27.66	3.48	24.89	3.13	0.00	0.00	2.77	0.35	0.00	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	120	Medium Density Residential	11.54	4.93	27.73	4.38	0.00	0.00	W	100	Existing	20	30	5.55	1.31	22.19	3.07	19.97	2.76	0.00	0.00	2.22	0.31	0.00	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	120	Medium Density Residential	1.65	0.88	4.98	0.79	0.00	0.00	W	100	Existing	20	30	1.00	0.24	3.98	0.55	3.59	0.50	0.00	0.00	0.40	0.06	0.00	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	140	Commercial	0.44	0.38	2.48	0.36	0.00	0.00	W	100	Existing	20	30	0.50	0.11	1.98	0.25	1.79	0.22	0.00	0.00	0.20	0.02	0.00	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	186	Recreational 2 (Parks w/facilities)	0.05	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	120	Medium Density Residential	59.34	49.68	279.64	44.17	0.00	0.00	L	100	Existing	36	62	100.67	27.39	178.97	16.79	161.07	15.11	0.00	0.00	17.90	1.68	0.00	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	130	High Density Residential	0.38	0.35	2.22	0.50	0.00	0.00	L	100	Existing	36	62	0.80	0.31	1.42	0.19	1.28	0.17	0.00	0.00	0.14	0.02	0.00	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	130	High Density Residential	68.26	63.43	400.15	89.69	0.00	0.00	L	100	Existing	36	62	144.05	55.61	256.10	34.08	230.49	30.67	0.00	0.00	25.61	3.41	0.00	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	140	Commercial	54.63	52.03	339.55	48.81	0.00	0.00	L	100	Existing	36	62	122.24	30.26	217.31	18.55	195.58	16.69	0.00	0.00	21.73	1.85	0.00	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	170	Institutional	4.08	3.46	15.16	1.80	0.00	0.00	L	100	Existing	36	62	5.46	1.11	9.70	0.68	8.73	0.62	0.00	0.00	0.97	0.07	0.00	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	186	Recreational 2 (Parks w/facilities)	2.73	0.47	2.05	0.24	0.00	0.00	L	100	Existing	36	62	0.74	0.15	1.32	0.09	1.18	0.08	0.00	0.00	0.13	0.01	0.00	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	500	Water	15.49	14.85	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	120	Medium Density Residential	16.37	16.37	92.12	14.55	0.00	0.00	L	100	Existing	36	62	33.16	9.02	58.96	5.53	53.06	4.98	0.00	0.00	5.90	0.55	0.00	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	130	High Density Residential	9.26	9.26	58.42	13.09	0.00	0.00	L	100	Existing	36	62	21.03	8.12	37.39	4.98	33.65	4.48	0.00	0.00	3.74	0.50	0.00	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	140	Commercial	0.67	0.67	4.35	0.63	0.00	0.00	L	100	Existing	36	62	1.57	0.39	2.78	0.24	2.51	0.21	0.00	0.00	0.28	0.02	0.00	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	140	Commercial	40.72	32.57	212.58	30.56	0.00	0.00	WP	100	Existing	36	62	76.53	18.95	136.05	11.61	122.45	10.45	0.00	0.00	13.61	1.16	0.00	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	500	Water	4.20	3.36	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	120	Medium Density Residential	2.33	2.33	13.13	2.07	0.00	0.00	N	100	Existing	0	0	0.00	0.00	13.13	2.07	11.82	1.87	0.00	0.00	1.31	0.21	0.00	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	140	Commercial	2.19	2.19	14.32	2.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	14.32	2.06	12.88	1.85	0.00	0.00	1.43	0.21	0.00	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	120	Medium Density Residential	27.85	22.28	125.40	19.81	0.00	0.00	WP	100	Existing	36	62	45.14	12.28	80.25	7.53	72.23	6.77	0.00	0.00	8.03	0.75	0.00	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	140	Commercial	16.02	12.81	83.62	12.02	0.00	0.00	WP	100	Existing	36	62	30.10	7.45	53.52	4.57	48.16	4.11	0.00	0.00	5.35	0.46	0.00	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.02	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	500	Water	6.47	5.18	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	155	Industrial	0.10	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	120	Medium Density Residential	0.03	0.03	0.16	0.03	0.03	0.02	N	100	Existing	0	0	0.00	0.00	0.13	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	120	Medium Density Residential	1.27	1.27	7.14	1.13	1.02	0.65	N	100	Existing	0	0	0.00	0.00	6.12	0.48	5.51	0.43	0.00	0.00	0.61

Appendix B.6: Pollutant Load Calculations - Existing Condition

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total N Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13Q0860B-500D	13Q0860B	5	12.7	0.7	500	Water	2.44	2.44	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	120	Medium Density Residential	0.18	0.14	0.80	0.13	0.00	0.00	WP	100	Existing	36	62	0.29	0.08	0.51	0.05	0.46	0.04	0.00	0.00	0.05	0.00	0.00	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	120	Medium Density Residential	1.01	0.81	4.55	0.72	0.75	0.48	WP	100	Existing	36	62	1.37	0.15	2.44	0.09	2.19	0.08	0.00	0.00	0.24	0.01	0.00	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	155	Industrial	0.03	0.02	0.07	0.01	0.07	0.01	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	155	Industrial	0.42	0.33	1.09	0.24	0.19	0.12	WP	100	Existing	36	62	0.32	0.07	0.57	0.04	0.52	0.04	0.00	0.00	0.06	0.00	0.00	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	155	Industrial	0.05	0.04	0.14	0.03	0.00	0.00	WP	100	Existing	36	62	0.05	0.02	0.09	0.01	0.08	0.01	0.00	0.00	0.01	0.00	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	155	Industrial	1.86	1.49	4.86	1.05	1.75	1.05	WP	100	Existing	36	62	1.12	0.00	1.99	0.00	1.79	0.00	0.00	0.00	0.20	0.00	0.00	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	500	Water	5.91	4.73	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	120	Medium Density Residential	3.89	3.89	21.90	3.46	2.97	1.90	N	100	Existing	0	0	0.00	0.00	18.93	1.56	17.04	1.40	0.00	0.00	1.89	0.16	0.00	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	500	Water	1.26	1.26	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	120	Medium Density Residential	3.97	3.97	22.36	3.53	3.12	2.00	N	100	Existing	0	0	0.00	0.00	19.24	1.53	17.31	1.38	0.00	0.00	1.92	0.15	0.00	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	185	Recreational 1 (Parks w/little impervious)	0.11	0.11	0.48	0.06	0.48	0.06	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	120	Medium Density Residential	6.97	6.97	39.23	6.20	2.84	1.82	N	100	Existing	0	0	0.00	0.00	36.39	4.38	32.75	3.94	0.00	0.00	3.64	0.44	0.00	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	140	Commercial	0.43	0.43	2.82	0.41	0.00	0.00	N	100	Existing	0	0	0.00	0.00	2.82	0.41	2.54	0.36	0.00	0.00	0.28	0.04	0.00	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	185	Recreational 1 (Parks w/little impervious)	0.03	0.03	0.11	0.01	0.11	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.02	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.09	0.02	0.09	0.01	0.00	0.00	0.01	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	140	Commercial	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	185	Recreational 1 (Parks w/little impervious)	0.09	0.09	0.42	0.05	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.42	0.05	0.37	0.04	0.00	0.00	0.04	0.00	0.00	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	120	Medium Density Residential	3.64	2.91	16.39	2.59	0.00	0.00	WP	100	Existing	36	62	5.90	1.61	10.49	0.98	9.44	0.89	0.00	0.00	1.05	0.10	0.00	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	155	Industrial	0.01	0.01	0.03	0.01	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	120	Medium Density Residential	3.41	2.73	15.36	2.43	0.00	0.00	WP	100	Existing	36	62	5.53	1.50	9.83	0.92	8.85	0.83	0.00	0.00	0.98	0.09	0.00	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	500	Water	3.28	2.63	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	120	Medium Density Residential	0.83	0.66	3.73	0.59	0.00	0.00	WP	100	Existing	36	62	1.34	0.37	2.39	0.22	2.15	0.20	0.00	0.00	0.24	0.02	0.00	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	140	Commercial	0.65	0.52	3.41	0.49	0.00	0.00	WP	100	Existing	36	62	1.23	0.30	2.18	0.19	1.96	0.17	0.00	0.00	0.22	0.02	0.00	0.00
13Q1100B-155D	13Q1100B	5	2.2	0.8	155	Industrial	0.23	0.18	0.59	0.13	0.00	0.00	WP	100	Existing	36	62	0.21	0.08	0.38	0.05	0.34	0.04	0.00	0.00	0.04	0.00	0.00	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	155	Industrial	0.01	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	155	Industrial	0.18	0.15	0.48	0.10	0.21	0.10	WP	100	Existing	36	62	0.09	0.00	0.17	0.00	0.15	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	155	Industrial	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	155	Industrial	0.94	0.75	2.46	0.53	0.00	0.00	WP	100	Existing	36	62	0.88	0.33	1.57	0.20	1.41	0.18	0.00	0.00	0.16	0.02	0.00	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	120	Medium Density Residential	4.75	3.80	21.40	3.38	0.83	0.53	WP	100	Existing	36	62	7.41	1.77	13.17	1.08	11.85	0.97	0.00	0.00	1.32	0.11	0.00	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	130	High Density Residential	4.66	3.73	23.51	5.27	0.00	0.00	WP	100	Existing	36	62	8.46	3.27	15.04	2.00	13.54	1.80	0.00	0.00	1.50	0.20	0.00	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	140	Commercial	0.11	0.08	0.55	0.08	0.00	0.00	WP	100	Existing	36	62	0.20	0.05	0.35	0.03	0.32	0.03	0.00	0.00	0.04	0.00	0.00	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	140	Commercial	30.98	24.78	161.74	23.25	2.97	1.91	WP	100	Existing	36	62	57.16	13.23	101.61	8.11	91.45	7.30	0.00	0.00	10.16	0.81	0.00	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	155	Industrial	0.11	0.09	0.29	0.06	0.00	0.00	WP	100	Existing	36	62	0.10	0.04	0.18	0.02	0.16	0.02	0.00	0.00	0.02	0.00	0.00	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.1 Runoff Calculations – Design Scenario 1a

C.2 Pollutant Load Calculations – Design Scenario 1a

C.3 Runoff Calculations – Design Scenario 1b

C.4 Pollutant Load Calculations – Design Scenario 1b

C.5 Runoff Calculations – Design Scenario 2

C.6 Pollutant Load Calculations – Design Scenario 2

C.7 Runoff Calculations – Design Scenario 3

C.8 Pollutant Load Calculations – Design Scenario 3

Appendix C
Design Condition
Pollutant Loading Calculations

C.1 Runoff Calculations – Design Scenario 1a

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L0800B-120A	13L0800B	4	35.0	9.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	6.62	L	Existing	100	0	0.00	4.55	2.08	0.00	0.00	0.00	2.08
13L0800B-120D	13L0800B	4	35.0	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.86	L	Existing	100	0	0.00	4.36	3.50	0.00	0.00	0.00	3.50
13L0800B-130A	13L0800B	4	35.0	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.39	L	Existing	100	0	0.00	0.10	0.29	0.00	0.00	0.00	0.29
13L0800B-130D	13L0800B	4	35.0	0.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.79	L	Existing	100	0	0.00	0.43	1.36	0.00	0.00	0.00	1.36
13L0800B-140A	13L0800B	4	35.0	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.52	L	Existing	100	0	0.00	0.09	0.43	0.00	0.00	0.00	0.43
13L0800B-140D	13L0800B	4	35.0	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.10	L	Existing	100	0	0.00	0.18	0.92	0.00	0.00	0.00	0.92
13L0800B-186D	13L0800B	4	35.0	7.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	1.17	L	Existing	100	0	0.00	3.31	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.82	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.38	L	Existing	100	0	0.00	0.19	1.18	0.00	0.00	0.00	1.18
13L0800B-600D	13L0800B	4	35.0	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	2.14	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.00	L	Existing	100	0	0.00	0.46	2.54	0.00	0.00	0.00	2.54
13L0801B-120A	13L0801B	4	26.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.00	0.00	0.00	0.04
13L0801B-120D	13L0801B	4	26.1	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.32	DP	Existing	100	80	5.06	0.00	1.26	0.00	0.00	0.00	1.26
13L0801B-130A	13L0801B	4	26.1	9.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	16.92	DP	Existing	100	80	13.54	0.00	3.38	0.00	0.00	0.00	3.38
13L0801B-130D	13L0801B	4	26.1	1.2	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.39	DP	Existing	100	80	1.91	0.00	0.48	0.00	0.00	0.00	0.48
13L0801B-140A	13L0801B	4	26.1	4.7	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	13.48	DP	Existing	100	80	10.78	0.00	2.70	0.00	0.00	0.00	2.70
13L0801B-140D	13L0801B	4	26.1	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.05	DP	Existing	100	80	0.84	0.00	0.21	0.00	0.00	0.00	0.21
13L0801B-186A	13L0801B	4	26.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.44	DP	Existing	100	80	0.35	0.00	0.09	0.00	0.00	0.00	0.09
13L0801B-430A	13L0801B	4	26.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.40	WP	Existing	100	20	0.08	0.00	0.32	0.00	0.00	0.00	0.32
13L0820B-120D	13L0820B	4	24.7	7.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.69	WP	Existing	100	20	1.34	0.00	5.35	0.00	0.00	0.00	5.35
13L0820B-130A	13L0820B	4	24.7	2.4	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	4.31	WP	Existing	100	20	0.86	0.00	3.45	0.00	0.00	0.00	3.45
13L0820B-130D	13L0820B	4	24.7	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.20	WP	Existing	100	20	1.84	0.00	7.36	0.00	0.00	0.00	7.36
13L0820B-140D	13L0820B	4	24.7	4.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	13.56	WP	Existing	100	20	2.71	0.00	10.85	0.00	0.00	0.00	10.85
13L0820B-186D	13L0820B	4	24.7	3.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.61	WP	Existing	100	20	0.12	0.00	0.49	0.00	0.00	0.00	0.49
13L0820B-500D	13L0820B	4	24.7	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.42	WP	Existing	100	20	0.68	0.00	2.74	0.00	0.00	0.00	2.74
13L1000B-120A	13L1000B	3	59.8	4.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.79	L	Existing	100	0	0.00	0.86	1.93	0.00	0.00	1.93	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.93	L	Existing	100	0	0.00	5.70	17.23	0.00	0.00	17.23	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.19	L	Existing	100	0	0.00	1.19	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.09	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.24	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.58	L	Existing	100	0	0.00	0.24	3.33	0.00	0.00	3.33	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.36	GCP-3	Existing	100	20	0.07	0.00	0.29	0.00	0.29	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.73	GCP-3	Existing	100	20	0.95	0.00	3.78	0.00	3.78	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-3	Existing	100	20	0.01	0.00	0.05	0.00	0.05	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.96	WP	Existing	100	20	0.39	0.00	1.57	0.00	1.57	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.84	WP	Existing	100	20	0.77	0.00	3.07	0.00	3.07	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.70	WP	Existing	100	20	0.54	0.00	2.16	0.00	2.16	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.06	W	Existing	100	0	0.00	0.16	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	19.73	W	Existing	100	0	0.00	7.75	11.98	0.00	0.00	11.98	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.01	W	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.02	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.11	L	Existing	100	0	0.00	0.01	0.11	0.00	0.11	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.79	L	Existing	100	0	0.00	1.47	23.32	0.00	23.32	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.25	L	Existing	100	0	0.00	0.36	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.29	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.01	L	Existing	100	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L1200B-600D	13L1200B	2	44.6	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.25	Pond 2-1	Alt. #1	100	20	0.85	0.00	3.40	0.00	3.40	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.77	Pond 2-1	Alt. #1	100	20	0.15	0.00	0.62	0.00	0.62	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	Pond 2-1	Alt. #1	100	20	0.02	0.00	0.07	0.00	0.07	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.57	Pond 11-1	Alt. #1	100	20	0.31	0.00	1.25	0.00	1.25	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	Pond 11-1	Alt. #1	100	20	0.78	0.00	3.13	0.00	3.13	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	Pond 11-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	Pond 11-1	Alt. #1	100	20	0.01	0.00	0.03	0.00	0.03	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.18	N	Existing	100	0	0.00	0.00	1.18	0.00	1.18	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.47	L	Existing	100	0	0.00	0.00	1.47	1.47	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.88	L	Existing	100	0	0.00	0.00	22.88	22.88	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	L	Existing	100	0	0.00	0.00	0.05	0.05	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.21	L	Existing	100	0	0.00	0.00	0.21	0.21	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.54	Pond 7AB-1	Alt. #1	100	20	0.11	0.00	0.43	0.43	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	Pond 7AB-1	Alt. #1	100	20	0.02	0.00	0.07	0.07	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.09	Pond 7AB-1	Alt. #1	100	20	0.22	0.00	0.88	0.88	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.03	DP	Existing	100	80	1.62	0.00	0.41	0.41	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	15.98	DP	Existing	100	80	12.78	0.00	3.20	3.20	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.11	W	Existing	100	0	0.00	19.46	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.03	W	Existing	100	0	0.00	12.79	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	W	Existing	100	0	0.00	2.08	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	67.30	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	42.15	N	Existing	100	0	0.00	0.00	42.15	42.15	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.96	N	Existing	100	0	0.00	0.00	5.96	5.96	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.17	N	Existing	100	0	0.00	0.00	29.17	29.17	0.00	0.00	0.00
13L1876B-155D	13L1876B	1	66.8	1.1	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.33	N	Existing	100	0	0.00	0.00	0.33	0.33	0.00	0.00	0.00
13L1876B-186D	13L1876B	1	66.8	3.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.59	N	Existing	100	0	0.00	0.00	0.59	0.59	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.33	Pond 7AB-1	Alt. #1	100	20	5.47	0.00	21.86	21.86	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	15.37	Pond 7AB-1	Alt. #1	100	20	3.07	0.00	12.29	12.29	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.05	Pond 7AB-1	Alt. #1	100	20	3.21	0.00	12.84	12.84	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.53	Pond 7AB-1	Alt. #1	100	20	1.11	0.00	4.42	4.42	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.06	Pond 7AB-1	Alt. #1	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.49	W	Existing	100	0	0.00	4.73	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	3.48	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.96	W	Existing	100	0	0.00	24.44	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.15	W	Existing	100	0	0.00	11.36	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	104.36	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.99	GCP-8	Existing	100	20	0.40	0.00	1.59	1.59	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-8	Existing	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	41.78	N	Existing	100	0	0.00	0.00	41.78	41.78	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.50	N	Existing	100	0	0.00	0.00	29.50	29.50	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.16	N	Existing	100	0	0.00	0.00	0.16	0.16	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.15	W	Existing	100	0	0.00	6.51	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.20	W	Existing	100	0	0.00	10.27	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	11.30	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.97	W	Existing	100	0	0.00	7.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	W	Existing	100	0	0.00	5.16	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	19.87	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.90	N	Existing	100	0	0.00	0.00	8.90	8.90	0.00	0.00	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L2052B-120D	13L2052B	1	9.2	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.93	Pond 10-1	Alt. #1	100	20	1.59	0.00	6.34	6.34	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.52	Pond 10-1	Alt. #1	100	20	4.90	0.00	19.62	19.62	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.84	Pond 10-1	Alt. #1	100	20	0.37	0.00	1.47	1.47	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.86	N	Existing	100	0	0.00	0.00	3.86	3.86	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.70	Pond 10-1	Alt. #1	100	20	3.34	0.00	13.36	13.36	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.12	WP	Existing	100	20	0.42	0.00	1.70	1.70	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.10	WP	Existing	100	20	0.42	0.00	1.68	1.68	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.66	N	Existing	100	0	0.00	0.00	3.66	3.66	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.59	W	Existing	100	0	0.00	4.57	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.72	W	Existing	100	0	0.00	4.39	1.33	1.33	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.16	W	Existing	100	0	0.00	0.61	0.55	0.55	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	7.06	W	Existing	100	0	0.00	3.65	3.41	3.41	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.14	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.01	W	Existing	100	0	0.00	0.75	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.25	W	Existing	100	0	0.00	2.21	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.38	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	11.66	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.76	WP	Existing	100	20	0.15	0.00	0.60	0.60	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.99	WP	Existing	100	20	0.20	0.00	0.79	0.79	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	26.35	WP	Existing	100	20	5.27	0.00	21.08	21.08	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.83	WP	Existing	100	20	0.17	0.00	0.66	0.66	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.02	WP	Existing	100	20	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.01	DP	Existing	100	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.08	DP	Existing	100	80	0.06	0.00	0.02	0.02	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.12	DP	Existing	100	80	0.89	0.00	0.22	0.22	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.94	DP	Existing	100	80	8.75	0.00	2.19	2.19	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.04	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	38.86	DP	Existing	100	80	31.09	0.00	7.77	7.77	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.13	DP	Existing	100	80	1.71	0.00	0.43	0.43	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.35	C	Existing	100	0	0.00	0.00	0.35	0.35	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.13	C	Existing	100	0	0.00	0.00	6.13	6.13	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.01	C	Existing	100	0	0.00	0.00	1.01	1.01	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.07	C	Existing	100	0	0.00	0.00	2.07	2.07	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.28	WP	Existing	100	20	0.86	0.00	3.43	3.43	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.02	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.50	WP	Existing	100	20	0.10	0.00	0.40	0.40	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	60.81	WP	Existing	100	20	12.16	0.00	48.65	48.65	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.04	WP	Existing	100	20	0.01	0.00	0.03	0.03	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.05	WP	Existing	100	20	1.81	0.00	7.24	7.24	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	C	Existing	100	0	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.69	C	Existing	100	0	0.00	0.00	2.69	2.69	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.10	C	Existing	100	0	0.00	0.00	0.10	0.10	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.78	C	Existing	100	0	0.00	0.00	0.78	0.78	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	W	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.72	W	Existing	100	0	0.00	0.46	0.26	0.26	0.00	0.00	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L3140B-130A	13L3140B	1	38.1	0.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.54	W	Existing	100	0	0.00	0.16	0.37	0.37	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	14.22	W	Existing	100	0	0.00	2.72	11.50	11.50	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.14	W	Existing	100	0	0.00	10.19	43.95	43.95	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Existing	100	0	0.00	0.13	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.97	W	Existing	100	0	0.00	3.18	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.09	0.00	0.00	0.00	0.00	0.00
13L3140B-600D	13L3140B	1	38.1	5.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	2.84	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.93	WP	Existing	100	20	0.59	0.00	2.34	0.00	0.00	2.34	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.33	WP	Existing	100	20	1.27	0.00	5.06	0.00	0.00	5.06	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.87	WP	Existing	100	20	0.37	0.00	1.50	0.00	0.00	1.50	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.01	WP	Existing	100	20	0.60	0.00	2.40	0.00	0.00	2.40	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.55	WP	Existing	100	20	0.51	0.00	2.04	0.00	0.00	2.04	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.68	WP	Existing	100	20	1.74	0.00	6.94	0.00	0.00	6.94	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	WP	Existing	100	20	0.25	0.00	1.01	0.00	0.00	1.01	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.72	WP	Existing	100	20	0.94	0.00	3.78	0.00	0.00	3.78	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.80	W	Existing	100	0	0.00	2.59	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.29	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.43	L	Existing	100	0	0.00	3.92	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.70	L	Existing	100	0	0.00	25.81	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.95	L	Existing	100	0	0.00	0.53	0.42	0.00	0.00	0.42	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	33.18	L	Existing	100	0	0.00	18.55	14.63	0.00	0.00	14.63	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.98	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.23	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	0.27	L	Existing	100	0	0.00	0.17	0.11	0.00	0.00	0.11	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.30	N	Existing	100	0	0.00	0.00	5.30	0.00	0.00	5.30	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.23	N	Existing	100	0	0.00	0.00	0.23	0.00	0.00	0.23	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.04	GCP-4	Existing	100	20	0.21	0.00	0.83	0.00	0.00	0.83	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.85	GCP-4	Existing	100	20	1.57	0.00	6.28	0.00	0.00	6.28	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-4	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	GCP-4	Existing	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.00	0.00	0.02	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.18	WP	Existing	100	20	2.64	0.00	10.54	0.00	0.00	10.54	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.27	WP	Existing	100	20	0.05	0.00	0.22	0.00	0.00	0.22	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.05	Pond 5-1	Alt. #1	74.4	20	0.30	0.00	1.74	0.00	0.00	1.74	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.77	Pond 5-1	Alt. #1	74.4	20	3.24	0.00	18.53	0.00	0.00	18.53	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #1	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #1	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #1	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.75	LL	Existing	100	100	21.75	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	16.08	LL	Existing	100	100	16.08	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.02	W	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.44	W	Existing	100	0	0.00	1.95	0.00	0.00	0.00	0.00	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0700B-500D	13N0700B	3	4.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	W	Existing	100	0	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.51	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	13.97	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	19.85	L	Existing	100	90	17.86	27.27	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.05	L	Existing	100	90	9.94	12.26	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.28	L	Existing	100	90	0.26	0.21	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	15.39	L	Existing	100	90	13.85	5.08	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.58	L	Existing	100	90	0.52	0.19	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.02	L	Existing	100	90	0.02	1.74	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.02	L	Existing	100	90	0.02	0.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	4.18	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	0.30	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.82	L	Existing	100	90	0.74	0.23	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.88	L	Existing	100	90	0.79	0.25	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	52.05	L	Existing	100	90	46.85	14.63	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	2.51	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.96	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	5.14	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.58	N	Existing	100	90	1.43	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.45	N	Existing	100	90	12.10	0.00	1.34	0.00	0.00	0.13	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	N	Existing	100	90	0.14	0.00	0.02	0.00	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	DP	Existing	100	90	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.20	DP	Existing	100	90	3.78	0.00	0.42	0.00	0.00	0.04	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.62	N	Existing	100	90	1.46	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.08	N	Existing	100	90	0.07	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.56	DP	Existing	100	90	0.50	0.00	0.06	0.00	0.00	0.01	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.68	DP	Existing	100	90	7.81	0.00	0.87	0.00	0.00	0.09	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.07	DP	Existing	100	90	0.06	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.73	N	Existing	100	90	7.85	0.00	0.87	0.00	0.00	0.09	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.78	N	Existing	100	90	6.10	0.00	0.68	0.00	0.00	0.07	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.15	N	Existing	100	90	14.53	0.00	1.61	0.00	0.00	0.16	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	10.62	N	Existing	100	90	9.56	0.00	1.06	0.00	0.00	0.11	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.40	WP	Existing	100	90	2.16	0.00	0.24	0.00	0.00	0.02	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	38.98	WP	Existing	100	90	35.08	0.00	3.90	0.00	0.00	0.39	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.13	WP	Existing	100	90	5.52	0.00	0.61	0.00	0.00	0.06	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	WP	Existing	100	90	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.47	WP	Existing	100	20	0.69	0.00	2.77	0.00	0.00	2.77	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.14	WP	Existing	100	20	0.43	0.00	1.71	0.00	0.00	1.71	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.42	WP	Existing	100	20	0.28	0.00	1.14	0.00	0.00	1.14	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.16	WP	Existing	100	20	0.83	0.00	3.33	0.00	0.00	3.33	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0900B-120A	13N0900B	3	7.4	0.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.62	WP	Existing	100	20	0.12	0.00	0.50	0.00	0.00	0.50	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.76	WP	Existing	100	20	0.95	0.00	3.81	0.00	0.00	3.81	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.08	WP	Existing	100	20	0.62	0.00	2.46	0.00	0.00	2.46	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.80	Pond 2-1	Alt. #1	100	20	0.16	0.00	0.64	0.00	0.00	0.64	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.97	Pond 2-1	Alt. #1	100	20	1.59	0.00	6.37	0.00	0.00	6.37	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.04	Pond 2-1	Alt. #1	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.58	Pond 2-1	Alt. #1	100	20	0.12	0.00	0.47	0.00	0.00	0.47	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	Pond 2-1	Alt. #1	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.29	Pond 2-1	Alt. #1	100	20	0.26	0.81	0.22	0.00	0.00	0.22	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.97	Pond 2-1	Alt. #1	100	20	0.99	2.53	1.44	0.00	0.00	1.44	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.31	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #1	100	20	0.01	0.86	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.83	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.41	Pond 2-1	Alt. #1	100	20	0.28	0.00	1.13	0.00	0.00	1.13	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.33	Pond 2-1	Alt. #1	100	20	0.07	0.00	0.26	0.00	0.00	0.26	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.23	Pond 2-1	Alt. #1	100	20	0.25	0.00	0.98	0.00	0.00	0.98	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	Pond 2-1	Alt. #1	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.28	Pond 2-1	Alt. #1	100	20	0.46	0.00	1.83	0.00	0.00	1.83	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #1	100	20	0.01	0.00	0.05	0.00	0.00	0.05	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.64	Pond 2-1	Alt. #1	100	20	0.13	0.00	0.51	0.00	0.00	0.51	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.90	Pond 2-1	Alt. #1	100	20	0.18	0.00	0.72	0.00	0.00	0.72	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	Pond 2-1	Alt. #1	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	5.02	Pond 2-1	Alt. #1	100	20	1.00	0.00	4.02	0.00	0.00	4.02	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	0.15	Pond 2-1	Alt. #1	100	20	0.03	0.00	0.12	0.00	0.00	0.12	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	Pond 2-1	Alt. #1	100	20	0.03	0.00	0.10	0.00	0.00	0.10	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.90	Pond 2-1	Alt. #1	100	20	1.38	0.00	5.52	0.00	0.00	5.52	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	3.70	Pond 2-1	Alt. #1	100	20	0.74	0.00	2.96	0.00	0.00	2.96	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #1	100	20	0.01	0.00	0.06	0.00	0.00	0.06	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.38	Pond 2-1	Alt. #1	100	20	0.08	0.00	0.30	0.00	0.00	0.30	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	Pond 2-1	Alt. #1	100	20	0.03	0.00	0.10	0.00	0.00	0.10	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.14	Pond 2-1	Alt. #1	100	20	0.23	0.00	0.91	0.00	0.00	0.91	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	Pond 2-1	Alt. #1	100	20	0.00	0.00	0.02	0.00	0.00	0.02	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.23	Pond 2-1	Alt. #1	100	20	0.25	0.00	0.99	0.00	0.00	0.99	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	Pond 2-1	Alt. #1	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.22	WP	Existing	100	20	0.24	0.08	0.90	0.90	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	0.63	1.02	1.13	1.37	6.79	5.40	3.62	2.41	1.48	3.73	27.60	0.58	0.14	WP	Existing	100	20	0.03	0.01	0.10	0.10	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.47	WP	Existing	100	20	0.09	0.02	0.36	0.36	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.12	WP	Existing	100	20	0.02	0.45	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	0.04	0.06	0.06	0.08	0.42	0.36	0.24	0.16	0.10	0.26	1.79	0.04	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.18	WP	Existing	100	20	0.04	0.01	0.13	0.13	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.79	WP	Existing	100	20	1.36	0.26	5.17	5.17	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.03	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.18	N	Existing	100	0	0.00	0.00	0.18	0.18	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.01	N	Existing	100	0	0.00	0.00	6.01	6.01	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.24	N	Existing	100	0	0.00	0.00	0.24	0.24	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	15.78	WP	Existing	100	20	3.16	0.00	12.63	11.36	0.00	1.26	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P1810B-182rD	13P1810B	5	10.0	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.78	WP	Existing	100	20	0.16	0.00	0.63	0.56	0.00	0.06	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.09	N	Existing	100	0	0.00	0.02	0.07	0.07	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	12.68	N	Existing	100	0	0.00	1.86	10.81	10.81	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.04	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	N	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.25	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	W	Existing	100	0	0.00	0.88	3.03	2.72	0.00	0.30	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	25.28	W	Existing	100	0	0.00	1.67	23.61	21.25	0.00	2.36	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	1.59	W	Existing	100	0	0.00	0.33	1.26	1.13	0.00	0.13	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.29	W	Existing	100	0	0.00	0.34	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.18	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	34.13	L	Existing	100	0	0.00	25.62	8.50	7.65	0.00	0.85	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	0.85	1.40	1.52	1.83	9.01	7.08	4.72	3.14	1.92	4.83	36.30	0.76	0.01	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	L	Existing	100	0	0.00	0.11	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.70	L	Existing	100	0	0.00	0.45	0.24	0.22	0.00	0.02	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	17.19	L	Existing	100	0	0.00	11.16	6.03	5.42	0.00	0.60	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	18.09	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	1.47	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.74	N	Existing	100	0	0.00	0.00	2.74	2.47	0.00	0.27	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.33	N	Existing	100	0	0.00	0.00	0.33	0.30	0.00	0.03	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	5.22	N	Existing	100	0	0.00	0.00	5.22	4.69	0.00	0.52	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	26.24	N	Existing	100	0	0.00	0.00	26.24	23.62	0.00	2.62	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.12	N	Existing	100	0	0.00	0.00	0.12	0.11	0.00	0.01	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.15	N	Existing	100	0	0.00	0.00	0.15	0.13	0.00	0.01	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.22	N	Existing	100	0	0.00	0.00	0.22	0.20	0.00	0.02	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.27	N	Existing	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.27	N	Existing	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.20	N	Existing	100	0	0.00	0.00	17.20	15.48	0.00	1.72	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.06	N	Existing	100	0	0.00	0.00	0.06	0.06	0.00	0.01	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	12.91	L	Existing	100	0	0.00	19.27	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.19	L	Existing	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.55	L	Existing	100	0	0.00	23.85	30.70	27.63	0.00	3.07	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.03	L	Existing	100	0	0.00	0.26	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.26	L	Existing	100	0	0.00	0.85	1.40	1.26	0.00	0.14	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	40.92	L	Existing	100	0	0.00	15.47	25.45	22.90	0.00	2.54	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	3.21	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.68	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.03	WP	Existing	100	20	3.41	0.00	13.62	12.26	0.00	1.36	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.53	WP	Existing	100	20	0.11	0.00	0.43	0.38	0.00	0.04	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.60	WP	Existing	100	20	2.12	0.00	8.48	7.63	0.00	0.85	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.46	WP	Existing	100	20	0.09	0.00	0.37	0.33	0.00	0.04	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.89	N	Existing	100	0	0.00	0.00	10.89	9.80	0.00	1.09	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.11	N	Existing	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.24	L	Existing	100	0	0.00	3.13	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.38	L	Existing	100	0	0.00	0.85	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	126.56	L	Existing	100	0	0.00	226.67	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	1.03	L	Existing	100	0	0.00	1.24	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	2.39	L	Existing	100	0	0.00	1.27	1.12	1.01	0.00	0.11	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	123.58	L	Existing	100	0	0.00	64.82	58.76	52.88	0.00	5.88	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2600B-155D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.59	L	Existing	100	0	0.00	3.11	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	L	Existing	100	0	0.00	7.33	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	5.54	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.14	L	Existing	100	0	0.00	4.15	4.99	4.49	0.00	0.50	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	419.99	L	Existing	100	0	0.00	190.54	229.45	206.50	0.00	22.94	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.37	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.30	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.86	N	Existing	100	0	0.00	0.00	0.86	0.77	0.00	0.09	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	14.52	N	Existing	100	0	0.00	0.00	14.52	13.07	0.00	1.45	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.43	N	Existing	100	0	0.00	0.00	0.43	0.38	0.00	0.04	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.70	N	Existing	100	0	0.00	0.00	8.70	7.83	0.00	0.87	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.20	N	Existing	100	0	0.00	0.00	0.20	0.18	0.00	0.02	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	20.02	N	Existing	100	0	0.00	0.00	20.02	18.02	0.00	2.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.28	N	Existing	100	0	0.00	0.00	0.28	0.26	0.00	0.03	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	4.62	DP	Existing	100	80	3.70	0.00	0.92	0.83	0.00	0.09	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.84	W	Existing	100	0	0.00	2.41	2.43	2.19	0.00	0.24	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.61	W	Existing	100	0	0.00	0.65	0.96	0.87	0.00	0.10	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.14	W	Existing	100	0	0.00	0.02	0.12	0.11	0.00	0.01	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	37.85	W	Existing	100	0	0.00	4.46	33.40	30.06	0.00	3.34	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.44	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.06	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.58	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.43	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.94	W	Existing	100	0	0.00	11.32	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.75	W	Existing	100	0	0.00	2.69	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	9.64	W	Existing	100	0	0.00	4.34	5.30	4.77	0.00	0.53	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Existing	100	0	0.00	0.07	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	3.36	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	2.41	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	10.01	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	11.54	W	Existing	100	0	0.00	6.62	4.93	4.43	0.00	0.49	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.65	W	Existing	100	0	0.00	0.76	0.88	0.80	0.00	0.09	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.44	W	Existing	100	0	0.00	0.06	0.38	0.34	0.00	0.04	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.05	W	Existing	100	0	0.00	1.75	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.06	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	0.37	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	59.34	L	Existing	100	0	0.00	9.66	49.68	44.71	0.00	4.97	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.38	L	Existing	100	0	0.00	0.03	0.35	0.32	0.00	0.04	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	68.26	L	Existing	100	0	0.00	4.83	63.43	57.08	0.00	6.34	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.63	L	Existing	100	0	0.00	2.61	52.03	46.82	0.00	5.20	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	4.08	L	Existing	100	0	0.00	0.62	3.46	3.12	0.00	0.35	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.03	L	Existing	100	0	0.00	0.35	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	2.73	L	Existing	100	0	0.00	2.26	0.47	0.42	0.00	0.05	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	15.49	L	Existing	100	0	0.00	0.64	14.85	13.37	0.00	1.49	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.15	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.37	L	Existing	100	0	0.00	0.00	16.37	14.73	0.00	1.64	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.26	L	Existing	100	0	0.00	0.00	9.26	8.33	0.00	0.93	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.67	L	Existing	100	0	0.00	0.00	0.67	0.60	0.00	0.07	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	40.72	WP	Existing	100	20	8.14	0.00	32.57	29.32	0.00	3.26	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P3400B-430D	13P3400B	5	15.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.20	WP	Existing	100	20	0.84	0.00	3.36	3.02	0.00	0.34	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.33	N	Existing	100	0	0.00	0.00	2.33	2.10	0.00	0.23	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.19	N	Existing	100	0	0.00	0.00	2.19	1.97	0.00	0.22	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.85	WP	Existing	100	20	5.57	0.00	22.28	20.05	0.00	2.23	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	16.02	WP	Existing	100	20	3.20	0.00	12.81	11.53	0.00	1.28	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.47	WP	Existing	100	20	1.29	0.00	5.18	4.66	0.00	0.52	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	W	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.10	W	Existing	100	0	0.00	0.95	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.38	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	N	Existing	100	0	0.00	0.00	0.03	0.03	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.27	N	Existing	100	0	0.00	0.00	1.27	1.14	0.00	0.13	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.02	N	Existing	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.14	N	Existing	100	0	0.00	0.00	0.14	0.13	0.00	0.01	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	N	Existing	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.44	N	Existing	100	0	0.00	0.00	2.44	2.19	0.00	0.24	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	WP	Existing	100	20	0.04	0.00	0.14	0.13	0.00	0.01	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.01	WP	Existing	100	20	0.20	0.00	0.81	0.73	0.00	0.08	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.02	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.42	WP	Existing	100	20	0.08	0.00	0.33	0.30	0.00	0.03	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.04	0.00	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	1.86	WP	Existing	100	20	0.37	0.00	1.49	1.34	0.00	0.15	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	5.91	WP	Existing	100	20	1.18	0.00	4.73	4.25	0.00	0.47	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.89	N	Existing	100	0	0.00	0.00	3.89	3.50	0.00	0.39	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	N	Existing	100	0	0.00	0.00	1.26	1.13	0.00	0.13	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.97	N	Existing	100	0	0.00	0.00	3.97	3.58	0.00	0.40	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	N	Existing	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.97	N	Existing	100	0	0.00	0.00	6.97	6.27	0.00	0.70	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.43	N	Existing	100	0	0.00	0.00	0.43	0.39	0.00	0.04	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	N	Existing	100	0	0.00	0.00	0.03	0.02	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	N	Existing	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	N	Existing	100	0	0.00	0.00	0.09	0.09	0.00	0.01	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.64	WP	Existing	100	20	0.73	0.00	2.91	2.62	0.00	0.29	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.01	WP	Existing	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.41	WP	Existing	100	20	0.68	0.00	2.73	2.46	0.00	0.27	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.28	WP	Existing	100	20	0.66	0.00	2.63	2.36	0.00	0.26	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.83	WP	Existing	100	20	0.17	0.00	0.66	0.60	0.00	0.07	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.65	WP	Existing	100	20	0.13	0.00	0.52	0.47	0.00	0.05	0.00

Appendix C.1: Runoff Calculations - Design Scenario 1a

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
457	1340	1708	1341	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13Q1100B-155D	13Q1100B	5	2.2	0.8	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.23	WP	Existing	100	20	0.05	0.00	0.18	0.16	0.00	0.02	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.01	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.18	WP	Existing	100	20	0.04	0.00	0.15	0.13	0.00	0.01	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.94	WP	Existing	100	20	0.19	0.00	0.75	0.68	0.00	0.08	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.75	WP	Existing	100	20	0.95	0.00	3.80	3.42	0.00	0.38	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	4.66	WP	Existing	100	20	0.93	0.00	3.73	3.35	0.00	0.37	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.11	WP	Existing	100	20	0.02	0.00	0.08	0.08	0.00	0.01	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	30.98	WP	Existing	100	20	6.20	0.00	24.78	22.30	0.00	2.48	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.11	WP	Existing	100	20	0.02	0.00	0.09	0.08	0.00	0.01	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.2 Pollutant Load Calculations – Design Scenario 1a

Appendix C.2: Pollutant Load Calculations - Design Scenario 1a

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
							2830	1708	8229	1296	421.9	231.9						2033.4	475.2	5773.8	588.5	4753.5	507.1	137.5	10.0	730.1	57.5	149.3	13.7
13L0800B-120A	13L0800B	4	35.0	9.6	120	Medium Density Residential	6.62	2.08	11.68	1.85	5.47	1.85	L	100	Existing	36	62	2.23	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00
13L0800B-120D	13L0800B	4	35.0	9.2	120	Medium Density Residential	7.86	3.50	19.70	3.11	5.22	3.11	L	100	Existing	36	62	5.21	0.00	9.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27	0.00
13L0800B-130A	13L0800B	4	35.0	0.2	130	High Density Residential	0.39	0.29	1.83	0.41	0.09	0.06	L	100	Existing	36	62	0.63	0.22	1.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.13
13L0800B-130D	13L0800B	4	35.0	0.9	130	High Density Residential	1.79	1.36	8.56	1.92	0.00	0.00	L	100	Existing	36	62	3.08	1.19	5.48	0.73	0.00	0.00	0.00	0.00	0.00	0.00	5.48	0.73
13L0800B-140A	13L0800B	4	35.0	0.2	140	Commercial	0.52	0.43	2.84	0.41	0.00	0.00	L	100	Existing	36	62	1.02	0.25	1.82	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.16
13L0800B-140D	13L0800B	4	35.0	0.4	140	Commercial	1.10	0.92	6.01	0.86	0.00	0.00	L	100	Existing	36	62	2.16	0.54	3.84	0.33	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.33
13L0800B-186D	13L0800B	4	35.0	7.0	186	Recreational 2 (Parks w/facilities)	1.17	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	500	Water	1.38	1.18	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-600D	13L0800B	4	35.0	4.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	8100	Transportation	3.00	2.54	9.45	1.15	0.69	0.45	L	100	Existing	36	62	3.15	0.44	5.61	0.27	0.00	0.00	0.00	0.00	0.00	0.00	5.61	0.27
13L0801B-120A	13L0801B	4	26.1	0.3	120	Medium Density Residential	0.18	0.04	0.20	0.03	0.00	0.00	DP	100	Existing	80	80	0.16	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01
13L0801B-120D	13L0801B	4	26.1	7.4	120	Medium Density Residential	6.32	1.26	7.11	1.12	1.06	0.68	DP	100	Existing	80	80	4.84	0.36	1.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.09
13L0801B-130A	13L0801B	4	26.1	9.3	130	High Density Residential	16.92	3.38	21.35	4.79	7.09	4.55	DP	100	Existing	80	80	11.41	0.19	2.85	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.05
13L0801B-130D	13L0801B	4	26.1	1.2	130	High Density Residential	2.39	0.48	3.02	0.68	0.72	0.46	DP	100	Existing	80	80	1.84	0.17	0.46	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.04
13L0801B-140A	13L0801B	4	26.1	4.7	140	Commercial	13.48	2.70	17.59	2.53	0.00	0.00	DP	100	Existing	80	80	14.08	2.02	3.52	0.51	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.51
13L0801B-140D	13L0801B	4	26.1	0.4	140	Commercial	1.05	0.21	1.37	0.20	0.06	0.04	DP	100	Existing	80	80	1.04	0.12	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.03
13L0801B-186A	13L0801B	4	26.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	186	Recreational 2 (Parks w/facilities)	0.44	0.09	0.38	0.05	0.38	0.05	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-430A	13L0801B	4	26.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	120	Medium Density Residential	0.40	0.32	1.78	0.28	0.10	0.06	WP	100	Existing	36	62	0.61	0.14	1.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.08
13L0820B-120D	13L0820B	4	24.7	7.8	120	Medium Density Residential	6.69	5.35	30.13	4.76	0.87	0.56	WP	100	Existing	36	62	10.53	2.60	18.73	1.60	0.00	0.00	0.00	0.00	0.00	0.00	18.73	1.60
13L0820B-130A	13L0820B	4	24.7	2.4	130	High Density Residential	4.31	3.45	21.74	4.87	0.00	0.00	WP	100	Existing	36	62	7.83	3.02	13.91	1.85	0.00	0.00	0.00	0.00	0.00	0.00	13.91	1.85
13L0820B-130D	13L0820B	4	24.7	4.7	130	High Density Residential	9.20	7.36	46.45	10.41	0.00	0.00	WP	100	Existing	36	62	16.72	6.45	29.73	3.96	0.00	0.00	0.00	0.00	0.00	0.00	29.73	3.96
13L0820B-140D	13L0820B	4	24.7	4.6	140	Commercial	13.56	10.85	70.81	10.18	0.00	0.00	WP	100	Existing	36	62	25.49	6.31	45.32	3.87	0.00	0.00	0.00	0.00	0.00	0.00	45.32	3.87
13L0820B-186D	13L0820B	4	24.7	3.6	186	Recreational 2 (Parks w/facilities)	0.61	0.49	2.14	0.25	0.50	0.25	WP	100	Existing	36	62	0.59	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00
13L0820B-500D	13L0820B	4	24.7	1.0	500	Water	3.42	2.74	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-120A	13L1000B	3	59.8	4.0	120	Medium Density Residential	2.79	1.93	10.89	1.72	1.09	0.70	L	100	Existing	36	62	3.53	0.63	6.27	0.39	0.00	0.00	0.00	0.00	6.27	0.39	0.00	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	120	Medium Density Residential	22.93	17.23	97.00	15.32	8.17	5.24	L	100	Existing	36	62	31.98	6.25	56.86	3.83	0.00	0.00	0.00	0.00	56.86	3.83	0.00	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	182r	Golf Course (w/Reclaimed Irrigation)	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	186	Recreational 2 (Parks w/facilities)	0.09	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	8100	Transportation	3.58	3.33	12.41	1.51	2.93	1.51	L	100	Existing	36	62	3.41	0.00	6.07	0.00	0.00	0.00	0.00	0.00	6.07	0.00	0.00	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	120	Medium Density Residential	0.36	0.29	1.61	0.25	0.38	0.25	GCP-3	100	Existing	41	72	0.51	0.01	0.72	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	120	Medium Density Residential	4.73	3.78	21.29	3.36	2.91	1.86	GCP-3	100	Existing	41	72	7.60	1.08	10.78	0.42	0.00	0.00	10.78	0.42	0.00	0.00	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-3	100	Existing	41	72	0.15	0.04	0.21	0.02	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	120	Medium Density Residential	1.96	1.57	8.83	1.40	0.63	0.41	WP	100	Existing	36	62	2.95	0.61	5.25	0.38	0.00	0.00	5.25	0.38	0.00	0.00	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	120	Medium Density Residential	3.84	3.07	17.31	2.73	2.05	1.32	WP	100	Existing	36	62	5.49	0.88	9.76	0.54	0.00	0.00	9.76	0.54	0.00	0.00	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	500	Water	2.70	2.16	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	110	Low Density Residential	0.06	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	120	Medium Density Residential	19.73	11.98	67.46	10.66	12.07	7.74	W	100	Existing	20	30	11.08	0.87	44.31	2.04	0.00	0.00	0.00	0.00	44.31	2.04	0.00	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	130	High Density Residential	0.01	0.01	0.04	0.01	0.00	0.00	W	100	Existing	20	30	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	120	Medium Density Residential	0.11	0.11	0.59	0.09	0.00	0.00	L	100	Existing	36	62	0.21	0.06	0.38	0.04	0.00	0.00	0.38	0.04	0.00	0.00	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	120	Medium Density Residential	24.79	23.32	131.27	20.74	3.55	2.28	L	100	Existing	36	62	45.98	11.44	81.74	7.01	0.00	0.00	81.74	7.01	0.00	0.00	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	182r	Golf Course (w/Reclaimed Irrigation)	0.25	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	500	Water	0.01	0.01	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	120	Medium Density Residential	4.25	3.40	19.15	3.03	2.97	1.91	Pond 2-1	100	Alt. #1	43	81	6.94	0.91	9.23	0.21	0.00	0.00	9.23	0.21	0.00	0.00	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	120	Medium Density Residential	0.77	0.62	3.47	0.55	1.44	0.55	Pond 2-1	100	Alt. #1	43	81	0.87	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.01	0.00	0.01	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.50	0.08	0.50	0.08	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	120	Medium Density Residential	1.57	1.25	7.05	1.11	3.47	1.11	Pond 11-1	100	Alt. #1	40	69	1.45	0.00	2.14	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	120	Medium Density Residential	3.91	3.13	17.61	2.78	0.46	0.29	Pond 11-1	100	Alt. #1	40	69	6.93	1.71	10.22	0.78	0.00	0.00	10.22	0.78	0.00	0.00	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.00	0.03	0.00	0.03	0.00	Pond 11-1	100	Alt. #1	40	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.03	0.19	0.03	0.19	0.03	Pond 11-1	100	Alt. #1	40	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	120	Medium Density Residential	1.18	1.18	6.63	1.05	0.75	0.48	N	100	Existing	0	0	0.00	0.00	5.88	0.57	0.00	0.00	5.88	0.57	0.00	0.00	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.01	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	120	Medium Density Residential	1.47	1.47	8.27	1.31	2.46	1.31	L	100	Existing	36	62	2.09	0.00	3.72	0.00	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	120	Medium Density Residential	22.88	22.88	128.77	20.34	10.54	6.76	L	100	Existing	36	62	42.56	8.42	75.67	5.16	75.67	5.16	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.05	0.34	0.06	0.00	0.00	L	100	Existing	36	62	0.12	0.03	0.22	0.02	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	500	Water	0.21	0.21	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	120	Medium Density Residential	0.54	0.43	2.43	0.38	1.67	0.38	Pond 7AB-1	100	Alt. #1	33	58	0.25	0.00	0.51	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.46	0.08	0.46	0.08	Pond 7AB-1	100	Alt. #1	33	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	500	Water	1.09	0.88	0.00	0.00	0.00	0.00	Pond 7AB-1	100	Alt. #1	33	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-1	100	Alt. #1	33	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	120	Medium Density Residential	2.03	0.41	2.28	0.36	1.33	0.36	DP	100	Existing	80	80	0.76	0.00	0.19	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	170	Institutional	15.98	3.20	13.99	1.66	0.00	0.00	DP	100	Existing	80	80	11.19	1.33	2.80	0.33	2.80	0.33	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	120	Medium Density Residential	7.11	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	170	Institutional	5.03	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	120	Medium Density Residential	42.15	42.15	237.28	37.48	34.32	22.01	N	100	Existing	0	0	0.00	0.00	202.96	15.47	202.96	15.47	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	130	High Density Residential	5.96	5.96	37.60	8.43	0.00	0.00	N	100	Existing	0	0	0.00	0.00	37.60	8.43	37.60	8.43	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0

Appendix C.2: Pollutant Load Calculations - Design Scenario 1a

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13L1877B-120D	13L1877B	1	31.9	31.9	120	Medium Density Residential	27.33	21.86	123.05	19.44	21.61	13.86	Pond 7AB-1	100	Alt. #1	33	58	33.01	3.22	68.44	2.36	68.44	2.36	0.00	0.00	0.00	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	120	Medium Density Residential	15.37	12.29	69.19	10.93	13.53	8.68	Pond 7AB-1	100	Alt. #1	33	58	18.11	1.30	37.55	0.95	37.55	0.95	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	120	Medium Density Residential	16.05	12.84	72.26	11.41	9.13	5.86	Pond 7AB-1	100	Alt. #1	33	58	20.54	3.21	42.58	2.35	42.58	2.35	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	170	Institutional	5.53	4.42	19.36	2.30	0.00	0.00	Pond 7AB-1	100	Alt. #1	33	58	6.30	1.33	13.06	0.97	13.06	0.97	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.06	0.05	0.35	0.06	0.00	0.00	Pond 7AB-1	100	Alt. #1	33	58	0.11	0.03	0.23	0.02	0.23	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-1	100	Alt. #1	33	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	120	Medium Density Residential	3.49	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	120	Medium Density Residential	7.96	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	182r	Golf Course (w/Reclaimed Irrigation)	0.15	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	120	Medium Density Residential	1.99	1.59	8.95	1.41	1.96	1.25	GCP-8	100	Existing	37	62	2.57	0.10	4.42	0.06	4.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-8	100	Existing	37	62	0.13	0.04	0.23	0.02	0.23	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	100	Existing	37	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	120	Medium Density Residential	41.78	41.78	235.18	37.15	38.44	24.65	N	100	Existing	0	0	0.00	0.00	196.74	12.50	196.74	12.50	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	140	Commercial	29.50	29.50	192.51	27.67	5.52	3.54	N	100	Existing	0	0	0.00	0.00	186.99	24.13	186.99	24.13	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	186	Recreational 2 (Parks w/facilities)	0.16	0.16	0.69	0.08	0.11	0.07	N	100	Existing	0	0	0.00	0.00	0.58	0.01	0.58	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	120	Medium Density Residential	3.15	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	182r	Golf Course (w/Reclaimed Irrigation)	0.20	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	120	Medium Density Residential	2.97	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	120	Medium Density Residential	8.90	8.90	50.12	7.92	7.74	4.96	N	100	Existing	0	0	0.00	0.00	42.38	2.95	42.38	2.95	0.00	0.00	0.00	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	120	Medium Density Residential	7.93	6.34	35.70	5.64	6.11	3.92	Pond 10-1	100	Alt. #1	37	63	11.01	1.08	18.58	0.64	18.58	0.64	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	120	Medium Density Residential	24.52	19.62	110.42	17.44	17.78	11.40	Pond 10-1	100	Alt. #1	37	63	34.48	3.80	58.16	2.25	58.16	2.25	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	140	Commercial	1.84	1.47	9.60	1.38	0.71	0.46	Pond 10-1	100	Alt. #1	37	63	3.31	0.58	5.58	0.34	5.58	0.34	0.00	0.00	0.00	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	120	Medium Density Residential	3.86	3.86	21.70	3.43	2.75	1.76	N	100	Existing	0	0	0.00	0.00	18.95	1.66	18.95	1.66	0.00	0.00	0.00	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	120	Medium Density Residential	16.70	13.36	75.22	11.88	12.56	8.05	Pond 10-1	100	Alt. #1	37	63	23.32	2.41	39.34	1.42	39.34	1.42	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	120	Medium Density Residential	2.12	1.70	9.56	1.51	0.00	0.00	WP	100	Existing	36	62	3.44	0.94	6.12	0.57	6.12	0.57	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	500	Water	2.10	1.68	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	120	Medium Density Residential	3.66	3.66	20.60	3.25	4.06	2.60	N	100	Existing	0	0	0.00	0.00	16.54	0.65	16.54	0.65	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	120	Medium Density Residential	2.59	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	130	High Density Residential	5.72	1.33	8.39	1.88	2.35	1.51	W	100	Existing	20	30	1.21	0.11	4.83	0.26	4.83	0.26	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	140	Commercial	1.16	0.55	3.60	0.52	0.00	0.00	W	100	Existing	20	30	0.72	0.16	2.88	0.36	2.88	0.36	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	140	Commercial	7.06	3.41	22.25	3.20	1.93	1.24	W	100	Existing	20	30	4.06	0.59	16.26	1.37	16.26	1.37	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	186	Recreational 2 (Parks w/facilities)	0.25	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	120	Medium Density Residential	0.76	0.60	3.40	0.54	0.00	0.00	WP	100	Existing	36	62	1.22	0.33	2.18	0.20	2.18	0.20	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	120	Medium Density Residential	0.99	0.79	4.47	0.71	0.00	0.00	WP	100	Existing	36	62	1.61	0.44	2.86	0.27	2.86	0.27	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	130	High Density Residential	26.35	21.08	132.98	29.81	0.00	0.00	WP	100	Existing	36	62	47.87	18.48	85.10	11.33	85.10	11.33	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	130	High Density Residential	0.83	0.66	4.19	0.94	0.00	0.00	WP	100	Existing	36	62	1.51	0.58	2.68	0.36	2.68	0.36	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	140	Commercial	0.02	0.02	0.12	0.02	0.00	0.00	WP	100	Existing	36	62	0.04	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	130	High Density Residential	0.01	0.00	0.02	0.00	0.00	0.00	DP	100	Existing	80	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	130	High Density Residential	0.08	0.02	0.10	0.02	0.00	0.00	DP	100	Existing	80	80	0.08	0.02	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	140	Commercial	1.12	0.22	1.46	0.21	0.00	0.00	DP	100	Existing	80	80	1.17	0.17	0.29	0.04	0.29	0.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	140	Commercial	10.94	2.19	14.28	2.05	0.00	0.00	DP	100	Existing	80	80	11.42	1.64	2.86	0.41	2.86	0.41	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	130	High Density Residential	0.18	0.04	0.22	0.05	0.00	0.00	DP	100	Existing	80	80	0.18	0.04	0.04	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	140	Commercial	38.86	7.77	50.72	7.29	0.00	0.00	DP	100	Existing	80	80	40.58	5.83	10.14	1.46	10.14	1.46	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	140	Commercial	2.13	0.43	2.78	0.40	0.00	0.00	DP	100	Existing	80	80	2.23	0.32	0.56	0.08	0.56	0.08	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	120	Medium Density Residential	0.35	0.35	1.94	0.31	0.00	0.00	C	100	Existing	0	0	0.00	0.00	1.94	0.31	1.94	0.31	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	130	High Density Residential	6.13	6.13	38.68	8.67	0.00	0.00	C	100	Existing	0	0	0.00	0.00	38.68	8.67	38.68	8.67	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	140	Commercial	1.01	1.01	6.56	0.94	0.20	0.13	C	100	Existing	0	0	0.00	0.00	6.36	0.81	6.36	0.81	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	500	Water	2.07	2.07	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	120	Medium Density Residential	4.28	3.43	19.29	3.05	2.83	1.81	WP	100	Existing	36	62	5.93	0.76	10.53	0.47	10.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	130	High Density Residential	0.02	0.01	0.08	0.02	0.04	0.02	WP	100	Existing	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.05	0.01	0.00	0.00	WP	100	Existing	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	140	Commercial	0.50	0.40	2.63	0.38	0.00	0.00	WP	100	Existing	36	62	0.95	0.23	1.69	0.14	1.69	0.14	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	140	Commercial	60.81	48.65	317.50	45.64	0.00	0.00	WP	100	Existing	36	62	114.30	28.30	203.20	17.34	203.20	17.34	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	186	Recreational 2 (Parks w/facilities)	0.04	0.03	0.13	0.02	0.00	0.00	WP	100	Existing	36	62	0.05	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	500	Water	9.05	7.24	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.01	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.03	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	130	High Density Residential	2.69	2.69	16.95	3.80	0.00	0.00	C	100	Existing	0	0	0.00	0.00	16.95	3.80	16.95	3.80	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	140	Commercial	0.10	0.10	0.67	0.10	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.67	0.10	0.67	0.10	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	500	Water	0.78	0.78	0.00	0.00	0.00	0.00	C	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	120	Medium Density Residential	0.01	0.00	0.01	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	120	Medium Density Residential	0.72	0.26	1.44	0.23	0.00	0.00	W	100	Existing	20	30	0.29	0.07	1.15	0.16	1.15	0.16	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-130A	13L3140B	1	38.1	0.3	130	High Density Residential	0.54	0.37	2.37	0.53	0.00	0.00	W	100	Existing	20	30	0.47	0.16	1.89	0.37	1.89	0.37	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	140	Commercial	14.22	11.50	75.08	10.79	0.00	0.00	W	100	Existing	20	30	15.02	3.24	60.07	7.56	60.07	7.56	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	140	Commercial	54.14	43.95	286.85	41.23	0.00	0.00	W	100	Existing	20	30	57.37	12.37	229.48	28.86	229.48	28.86	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	186	Recreational 2 (Parks w/facilities)	0.97	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00

Appendix C.2: Pollutant Load Calculations - Design Scenario 1a

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (OM) (lbs/yr)	Total P Load to Lake 1 (OM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13N0050B-120D	13N0050B	3	13.3	7.4	120	Medium Density Residential	6.33	5.06	28.50	4.50	0.76	0.49	WP	100	Existing	36	62	9.99	2.49	17.75	1.53	0.00	0.00	0.00	0.00	17.75	1.53	0.00	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	500	Water	1.87	1.50	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	500	Water	3.01	2.40	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	120	Medium Density Residential	2.55	2.04	11.48	1.81	0.10	0.06	WP	100	Existing	36	62	4.10	1.09	7.28	0.67	0.00	0.00	0.00	0.00	7.28	0.67	0.00	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	120	Medium Density Residential	8.68	6.94	39.07	6.17	0.62	0.40	WP	100	Existing	36	62	13.84	3.58	24.61	2.19	0.00	0.00	0.00	0.00	24.61	2.19	0.00	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	500	Water	1.26	1.01	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	500	Water	4.72	3.78	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	120	Medium Density Residential	0.80	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	120	Medium Density Residential	1.43	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	120	Medium Density Residential	11.70	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	500	Water	0.95	0.42	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	500	Water	33.18	14.63	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	8100	Transportation	0.27	0.11	0.40	0.05	0.22	0.05	L	100	Existing	36	62	0.06	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	120	Medium Density Residential	5.30	5.30	29.82	4.71	3.13	2.01	N	100	Existing	0	0	0.00	0.00	26.69	2.70	0.00	0.00	0.00	0.00	26.69	2.70	0.00	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	120	Medium Density Residential	0.04	0.04	0.21	0.03	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.21	0.03	0.00	0.00	0.00	0.00	0.21	0.03	0.00	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	130	High Density Residential	0.04	0.04	0.27	0.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.27	0.06	0.00	0.00	0.00	0.00	0.27	0.06	0.00	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	186	Recreational 2 (Parks w/facilities)	0.23	0.23	1.03	0.12	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.03	0.12	0.00	0.00	0.00	0.00	1.03	0.12	0.00	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	120	Medium Density Residential	1.04	0.83	4.69	0.74	0.10	0.07	GCP-4	100	Existing	36	62	1.66	0.42	2.92	0.26	0.00	0.00	0.00	0.00	2.92	0.26	0.00	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	120	Medium Density Residential	7.85	6.28	35.33	5.58	6.30	4.04	GCP-4	100	Existing	36	62	10.53	0.95	18.49	0.59	0.00	0.00	0.00	0.00	18.49	0.59	0.00	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-4	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.09	0.58	0.10	0.02	0.02	GCP-4	100	Existing	36	62	0.20	0.05	0.36	0.03	0.00	0.00	0.00	0.00	0.36	0.03	0.00	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	120	Medium Density Residential	0.03	0.02	0.14	0.02	0.14	0.02	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	120	Medium Density Residential	13.18	10.54	59.33	9.37	3.97	2.54	WP	100	Existing	36	62	19.93	4.23	35.43	2.59	0.00	0.00	0.00	0.00	35.43	2.59	0.00	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	182r	Golf Course (w/Reclaimed Irrigation)	0.27	0.22	1.46	0.24	1.46	0.24	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	120	Medium Density Residential	2.05	1.74	9.81	1.55	2.51	1.55	Pond 5-1	74.4	Alt. #1	41	69	2.21	0.00	5.09	0.00	0.00	0.00	0.00	0.00	5.09	0.00	0.00	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	120	Medium Density Residential	21.77	18.53	104.29	16.48	18.32	11.75	Pond 5-1	74.4	Alt. #1	41	69	25.99	2.44	59.99	2.29	0.00	0.00	0.00	0.00	59.99	2.29	0.00	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #1	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #1	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #1	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	120	Medium Density Residential	21.75	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	500	Water	16.08	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	120	Medium Density Residential	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	120	Medium Density Residential	0.44	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	500	Water	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	120	Medium Density Residential	19.85	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	120	Medium Density Residential	11.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	120	Medium Density Residential	0.28	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	140	Commercial	15.39	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	140	Commercial	0.58	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	500	Water	0.82	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	500	Water	0.88	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	500	Water	52.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	120	Medium Density Residential	1.58	0.16	0.89	0.14	0.70	0.14	N	100	Existing	0	0	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	120	Medium Density Residential	13.45	1.34	7.57	1.20	6.84	1.20	N	100	Existing	0	0	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	185	Recreational 1 (Parks w/little impervious)	0.16	0.02	0.07	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	120	Medium Density Residential	4.20	0.42	2.37	0.37	2.37	0.37	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	120	Medium Density Residential	1.62	0.16	0.91	0.14	0.91	0.14	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	120	Medium Density Residential	0.08	0.01	0.04	0.01	0.04	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	140	Commercial	0.56	0.06	0.36	0.05	0.00	0.00	DP	100	Existing	80	80	0.29	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	140	Commercial	8.68	0.87	5.67	0.81	0.00	0.00	DP	100	Existing	80	80	4.53	0.65	1.13	0.16	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	186	Recreational 2 (Parks w/facilities)	0.07	0.01	0.03	0.00	0.00	0.00	DP	100	Existing	80	80	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	120	Medium Density Residential	8.73	0.87	4.91	0.78	4.80	0.78	N	100	Existing	0	0	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	120	Medium Density Residential	6.78	0.68	3.82	0.60	3.82	0.60	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	120	Medium Density Residential	16.15	1.61	9.09	1.44	9.09	1.44	N	100	Existing	0	0

Appendix C.2: Pollutant Load Calculations - Design Scenario 1a

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13N0750B-600D	13N0750B	6	3.5	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	120	Medium Density Residential	38.98	3.90	21.94	3.47	21.94	3.47	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	120	Medium Density Residential	6.13	0.61	3.45	0.55	2.31	0.55	WP	100	Existing	36	62	0.41	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	185	Recreational 1 (Parks w/little impervious)	0.03	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	120	Medium Density Residential	0.05	0.04	0.21	0.03	0.00	0.00	WP	100	Existing	36	62	0.08	0.02	0.14	0.01	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	120	Medium Density Residential	3.47	2.77	15.61	2.47	0.08	0.05	WP	100	Existing	36	62	5.59	1.50	9.94	0.92	0.00	0.00	0.00	0.00	9.94	0.92	0.00	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	500	Water	2.14	1.71	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	120	Medium Density Residential	1.42	1.14	6.41	1.01	0.00	0.00	WP	100	Existing	36	62	2.31	0.63	4.10	0.38	0.00	0.00	0.00	0.00	4.10	0.38	0.00	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	500	Water	4.16	3.33	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-120A	13N0900B	3	7.4	0.9	120	Medium Density Residential	0.62	0.50	2.79	0.44	0.36	0.23	WP	100	Existing	36	62	0.88	0.13	1.56	0.08	0.00	0.00	0.00	0.00	1.56	0.08	0.00	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	120	Medium Density Residential	4.76	3.81	21.45	3.39	2.44	1.56	WP	100	Existing	36	62	6.84	1.13	12.17	0.69	0.00	0.00	0.00	0.00	12.17	0.69	0.00	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	500	Water	3.08	2.46	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	120	Medium Density Residential	0.80	0.64	3.61	0.57	0.25	0.16	Pond 2-1	100	Alt. #1	43	81	1.44	0.33	1.92	0.08	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	120	Medium Density Residential	7.97	6.37	35.88	5.67	5.92	3.80	Pond 2-1	100	Alt. #1	43	81	12.86	1.51	17.10	0.36	0.00	0.00	0.00	0.00	17.10	0.36	0.00	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.05	0.01	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	120	Medium Density Residential	0.04	0.03	0.18	0.03	0.18	0.03	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	120	Medium Density Residential	0.58	0.47	2.63	0.42	0.87	0.42	Pond 2-1	100	Alt. #1	43	81	0.76	0.00	1.01	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.03	0.18	0.03	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.08	0.02	0.10	0.01	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	120	Medium Density Residential	1.29	0.22	1.22	0.19	0.49	0.19	Pond 2-1	100	Alt. #1	43	81	0.31	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	120	Medium Density Residential	4.97	1.44	8.09	1.28	5.82	1.28	Pond 2-1	100	Alt. #1	43	81	0.98	0.00	1.30	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	120	Medium Density Residential	1.41	1.13	6.36	1.01	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	2.73	0.81	3.63	0.19	0.00	0.00	0.00	0.00	3.63	0.19	0.00	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	120	Medium Density Residential	0.33	0.26	1.48	0.23	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.63	0.19	0.84	0.04	0.00	0.00	0.00	0.00	0.84	0.04	0.00	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	120	Medium Density Residential	1.23	0.98	5.53	0.87	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	2.37	0.71	3.16	0.17	0.00	0.00	0.00	0.00	3.16	0.17	0.00	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.09	0.57	0.09	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.25	0.08	0.33	0.02	0.00	0.00	0.00	0.00	0.33	0.02	0.00	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	120	Medium Density Residential	2.28	1.83	10.28	1.62	1.07	0.69	Pond 2-1	100	Alt. #1	43	81	3.95	0.76	5.26	0.18	0.00	0.00	0.00	0.00	5.26	0.18	0.00	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.35	0.06	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.15	0.05	0.20	0.01	0.00	0.00	0.00	0.00	0.20	0.01	0.00	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	120	Medium Density Residential	0.64	0.51	2.89	0.46	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	1.24	0.37	1.65	0.09	0.00	0.00	0.00	0.00	1.65	0.09	0.00	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	120	Medium Density Residential	0.90	0.72	4.04	0.64	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	1.73	0.52	2.31	0.12	0.00	0.00	0.00	0.00	2.31	0.12	0.00	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.04	0.24	0.04	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.10	0.03	0.14	0.01	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	120	Medium Density Residential	5.02	4.02	22.62	3.57	1.48	0.95	Pond 2-1	100	Alt. #1	43	81	9.08	2.13	12.07	0.50	0.00	0.00	0.00	0.00	12.07	0.50	0.00	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	170	Institutional	0.15	0.12	0.51	0.06	0.07	0.05	Pond 2-1	100	Alt. #1	43	81	0.19	0.01	0.25	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.10	0.69	0.11	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.30	0.09	0.39	0.02	0.00	0.00	0.00	0.00	0.39	0.02	0.00	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	120	Medium Density Residential	6.90	5.52	31.09	4.91	5.84	3.75	Pond 2-1	100	Alt. #1	43	81	10.84	0.94	14.41	0.22	0.00	0.00	0.00	0.00	14.41	0.22	0.00	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	140	Commercial	3.70	2.96	19.30	2.77	1.72	1.10	Pond 2-1	100	Alt. #1	43	81	7.55	1.36	10.04	0.32	0.00	0.00	0.00	0.00	10.04	0.32	0.00	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.06	0.40	0.06	0.40	0.06	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	120	Medium Density Residential	0.38	0.30	1.71	0.27	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.73	0.22	0.98	0.05	0.00	0.00	0.00	0.00	0.98	0.05	0.00	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.10	0.69	0.11	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.30	0.09	0.40	0.02	0.00	0.00	0.00	0.00	0.40	0.02	0.00	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	120	Medium Density Residential	1.14	0.91	5.14	0.81	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	2.21	0.66	2.94	0.15	0.00	0.00	0.00	0.00	2.94	0.15	0.00	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.03	0.01	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.01	0.00	0.00	Pond 2-1	100	Alt. #1	43	81	0.04	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	130	High Density Residential	1.23	0.99	6.22	1.39	0.29	0.19	Pond 2-1	100	Alt. #1	43	81	2.54	0.98	3.38	0.23	0.00	0.00	0.00	0.00	3.38	0.23	0.00	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.04	0.28	0.05	0.28	0.05	Pond 2-1	100	Alt. #1	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	130	High Density Residential	1.22	0.90	5.67	1.27	0.00	0.00	WP	100	Existing	36	62	2.04	0.79	3.63	0.48	3.63	0.48	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	130	High Density Residential	0.14	0.10	0.65	0.15	0.00	0.00	WP	100	Existing	36	62	0.23	0.09	0.42	0.06	0.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	140	Commercial	0.47	0.36	2.33	0.34	0.00	0.00	WP	100	Existing	36	62	0.84	0.21	1.49	0.13	1.49	0.13	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	182r	Golf Course (w/Reclaimed Irrigation)	0.12	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	500	Water	0.18	0.13	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	500	Water	6.79	5.17	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	120	Medium Density Residential	0.18	0.18	1.00	0.16	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.00	0.16	1.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	130	High Density Residential	6.01	6.01	37.90	8.49	0.00	0.00	N	100	Existing	0	0	0.00	0.00	37.90	8.49	37.90	8.49	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	140	Commercial	0.24	0.24	1.56	0.22	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.56	0.22	1.56	0.22	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	140	Commercial	15.78	12.63	82.41	11.85	0.11	0.07	WP	100	Existing	36	62	29.63	7.30	52.67	4.48	47.41	4.03	0.00	0.00	5.27	0.45	0.00	0.00
13P1810B-182rD	13P1810B	5	10.0	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	186	Recreational 2 (Parks w/facilities)	0.78	0.63	2.74	0.33	0.16	0.10	WP	100	Existing	36	62	0.93	0.14	1.65	0.08	1.49	0.08	0.00	0.00	0.17	0.01	0.00	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	130	High Density Residential	0.09	0.07	0.46	0.10	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.46	0.10	0.46	0.10	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	140	Commercial	12.68	10.81	70.57	10.14	0.00	0.00	N	100	Existing	0	0	0.00	0.00	70.57	10.14	70.57	10.14	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	120	Medium Density Residential	3.91	3.03	17.03	2.69	1.62	1.04	W	100	Existing	20	30	3.08	0.49	12.32	1.15	11.09	1.04	0.00	0.00	1.23	0.12	0.00	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	140	Commercial	25.28	23.61	154.06	22.15	2.36	1.51	W	100	Existing	20	30	30.34	6.19	121.36	14.44	109.23	13.00	0.00	0.00	12.14	1.44	0.00	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	170	Institutional	1.59	1.26	5.51	0.65	0.84	0.54	W	100	Existing	20	30	0.93	0.03	3.73	0.08	3.36	0.07	0.00	0.00	0.37	0.01	0.00	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	186	Recreational 2 (Parks w/facilities)	0.29	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	140	Commercial	34.13	8.50	55.49	7.98	0.00	0.00	L	100	Existing	36	62	19.98	4.95	35.51	3.03	31.96	2.73	0.00	0.00	3.55	0.30	0.00	0.00
13P1900B-140W

Appendix C.2: Pollutant Load Calculations - Design Scenario 1a

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P1900B-600W	13P1900B	5	25.9	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	140	Commercial	2.74	2.74	17.89	2.57	0.00	0.00	N	100	Existing	0	0	0.00	0.00	17.89	2.57	16.10	2.31	0.00	0.00	1.79	0.26	0.00	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	186	Recreational 2 (Parks w/facilities)	0.33	0.33	1.46	0.17	0.08	0.05	N	100	Existing	0	0	0.00	0.00	1.38	0.12	1.24	0.11	0.00	0.00	0.14	0.01	0.00	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	140	Commercial	5.22	5.22	34.04	4.89	0.00	0.00	N	100	Existing	0	0	0.00	0.00	34.04	4.89	30.64	4.40	0.00	0.00	3.40	0.49	0.00	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	140	Commercial	26.24	26.24	171.27	24.62	0.00	0.00	N	100	Existing	0	0	0.00	0.00	171.27	24.62	154.14	22.16	0.00	0.00	17.13	2.46	0.00	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	140	Commercial	0.12	0.12	0.79	0.11	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.79	0.11	0.71	0.10	0.00	0.00	0.08	0.01	0.00	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	186	Recreational 2 (Parks w/facilities)	0.15	0.15	0.64	0.08	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.64	0.08	0.58	0.07	0.00	0.00	0.06	0.01	0.00	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	140	Commercial	0.22	0.22	1.45	0.21	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.45	0.21	1.30	0.19	0.00	0.00	0.14	0.02	0.00	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	186	Recreational 2 (Parks w/facilities)	0.27	0.27	1.19	0.14	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.19	0.14	1.07	0.13	0.00	0.00	0.12	0.01	0.00	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	120	Medium Density Residential	0.27	0.27	1.50	0.24	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.50	0.24	1.35	0.21	0.00	0.00	0.15	0.02	0.00	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	140	Commercial	17.20	17.20	112.26	16.14	0.17	0.11	N	100	Existing	0	0	0.00	0.00	112.09	16.03	100.88	14.42	0.00	0.00	11.21	1.60	0.00	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	186	Recreational 2 (Parks w/facilities)	0.06	0.06	0.28	0.03	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.28	0.03	0.26	0.03	0.00	0.00	0.03	0.00	0.00	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	120	Medium Density Residential	12.91	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	120	Medium Density Residential	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	140	Commercial	54.55	30.70	200.38	28.80	3.11	1.99	L	100	Existing	36	62	71.02	16.62	126.25	10.19	113.63	9.17	0.00	0.00	12.63	1.02	0.00	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	500	Water	2.26	1.40	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	500	Water	40.92	25.45	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	140	Commercial	17.03	13.62	88.89	12.78	0.33	0.21	WP	100	Existing	36	62	31.88	7.79	56.68	4.77	51.01	4.30	0.00	0.00	5.67	0.48	0.00	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	186	Recreational 2 (Parks w/facilities)	0.53	0.43	1.86	0.22	0.00	0.00	WP	100	Existing	36	62	0.67	0.14	1.19	0.08	1.07	0.08	0.00	0.00	0.12	0.01	0.00	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	140	Commercial	10.60	8.48	55.34	7.96	0.00	0.00	WP	100	Existing	36	62	19.92	4.93	35.42	3.02	31.88	2.72	0.00	0.00	3.54	0.30	0.00	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	186	Recreational 2 (Parks w/facilities)	0.46	0.37	1.61	0.19	0.00	0.00	WP	100	Existing	36	62	0.58	0.12	1.03	0.07	0.93	0.07	0.00	0.00	0.10	0.01	0.00	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	140	Commercial	10.89	10.89	71.09	10.22	0.00	0.00	N	100	Existing	0	0	0.00	0.00	71.09	10.22	63.98	9.20	0.00	0.00	7.11	1.02	0.00	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	186	Recreational 2 (Parks w/facilities)	0.11	0.11	0.48	0.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.48	0.06	0.43	0.05	0.00	0.00	0.05	0.01	0.00	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	110	Low Density Residential	0.24	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	120	Medium Density Residential	0.38	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	120	Medium Density Residential	126.56	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	120	Medium Density Residential	1.03	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	130	High Density Residential	0.00	0.00	0.01	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	140	Commercial	2.39	1.12	7.29	1.05	0.00	0.00	L	100	Existing	36	62	2.62	0.65	4.67	0.40	4.20	0.36	0.00	0.00	0.47	0.04	0.00	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	140	Commercial	123.58	58.76	383.47	55.12	0.00	0.00	L	100	Existing	36	62	138.05	34.18	245.42	20.95	220.88	18.85	0.00	0.00	24.54	2.09	0.00	0.00
13P2600B-155D	13P2600B	5	344.8	2.0	155	Industrial	0.59	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	185	Recreational 1 (Parks w/little impervious)	0.16	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	500	Water	9.14	4.99	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	500	Water	419.99	229.45	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	120	Medium Density Residential	0.86	0.86	4.84	0.76	0.00	0.00	N	100	Existing	0	0	0.00	0.00	4.84	0.76	4.36	0.69	0.00	0.00	0.48	0.08	0.00	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	140	Commercial	14.52	14.52	94.75	13.62	0.00	0.00	N	100	Existing	0	0	0.00	0.00	94.75	13.62	85.27	12.26	0.00	0.00	9.47	1.36	0.00	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	186	Recreational 2 (Parks w/facilities)	0.43	0.43	1.86	0.22	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.86	0.22	1.68	0.20	0.00	0.00	0.19	0.02	0.00	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	140	Commercial	8.70	8.70	56.78	8.16	0.00	0.00	N	100	Existing	0	0	0.00	0.00	56.78	8.16	51.10	7.35	0.00	0.00	5.68	0.82	0.00	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	186	Recreational 2 (Parks w/facilities)	0.20	0.20	0.86	0.10	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.86	0.10	0.78	0.09	0.00	0.00	0.09	0.01	0.00	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	140	Commercial	20.02	20.02	130.68	18.78	0.00	0.00	N	100	Existing	0	0	0.00	0.00	130.68	18.78	117.61	16.91	0.00	0.00	13.07	1.88	0.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	186	Recreational 2 (Parks w/facilities)	0.28	0.28	1.25	0.15	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.25	0.15	1.12	0.13	0.00	0.00	0.12	0.01	0.00	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	140	Commercial	4.62	0.92	6.03	0.87	0.00	0.00	DP	100	Existing	80	80	4.82	0.69	1.21	0.17	1.09	0.16	0.00	0.00	0.12	0.02	0.00	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	120	Medium Density Residential	4.84	2.43	13.69	2.16	0.00	0.00	W	100	Existing	20	30	2.74	0.65	10.95	1.51	9.86	1.36	0.00	0.00	1.10	0.15	0.00	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	120	Medium Density Residential	1.61	0.96	5.42	0.86	0.00	0.00	W	100	Existing	20	30	1.08	0.26	4.34	0.60	3.90	0.54	0.00	0.00	0.43	0.06	0.00	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	140	Commercial	0.14	0.12	0.78	0.11	0.00	0.00	W	100	Existing	20	30	0.16	0.03	0.63	0.08	0.56	0.07	0.00	0.00	0.06	0.01	0.00	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	140	Commercial	37.85	33.40	217.95	31.33	0.00	0.00	W	100	Existing	20	30	43.59	9.40	174.36	21.93	156.93	19.74	0.00	0.00	17.44	2.19	0.00	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	120	Medium Density Residential	5.94	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	120	Medium Density Residential	1.75	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	140	Commercial	9.64	5.30	34.57	4.97	0.00	0.00	W	100	Existing	20	30	6.91	1.49	27.66	3.48	24.89	3.13	0.00	0.00	2.77	0.35	0.00	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	120	Medium Density Residential	11.54	4.93	27.73	4.38	0.00	0.00	W	100	Existing	20	30	5.55	1.31	22.19	3.07	19.97	2.76	0.00	0.00	2.22	0.31	0.00	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	120	Medium Density Residential	1.65	0.88	4.98	0.79	0.00	0.00	W	100	Existing	20	30	1.00	0.24	3.98	0.55	3.59	0.50	0.00	0.00	0.40	0.06	0.00	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	140	Commercial	0.44	0.38	2.48	0.36	0.00	0.00	W	100	Existing	20	30	0.50	0.11	1.98	0.25	1.79	0.22	0.00	0.00	0.20	0.02	0.00	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	186	Recreational 2 (Parks w/facilities)	0.05	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	120	Medium Density Residential	59.34	49.68	279.64	44.17	0.00	0.00	L	100	Existing	36	62	100.67	27.39	178.97	16.79	161.07	15.11	0.00	0.00	17.90	1.68	0.00	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	130	High Density Residential	0.38	0.35	2.22	0.50	0.00	0.00	L	100	Existing	36	62	0.80	0.31	1.42	0.19	1.28	0.17	0.00	0.00	0.14	0.02	0.00	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	130	High Density Residential	68.26	63.43	400.15	89.69	0.00	0.00	L	100	Existing	36	62	144.05	55.61	256.10	34.08	230.49	30.67	0.00	0.00	25.61	3.41	0.00	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	140	Commercial	54.63	52.03	339.55	48.81	0.00	0.00	L	100	Existing	36	62	122.24	30.26	217.31	18.55	195.58	16.69	0.00	0.00	21.73	1.85	0.00	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	170	Institutional	4.08	3.46	15.16	1.80	0.00	0.00	L	100	Existing	36	62	5.46	1.11	9.70	0.68	8.73	0.62	0.00	0.00	0.97	0.07	0.00	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	186	Recreational 2 (Parks w/facilities)	2.73	0.47	2.05	0.24	0.00	0.00	L	100	Existing	36	62	0.74	0.15	1.32	0.09	1.18	0.08	0.00	0.00	0.13	0.01	0.00	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	500	Water	15.49	14.85	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	120	Medium Density Residential	16.37	16.37	92.12	14.55	0.00	0.00	L	100	Existing	36	62	33.16	9.02	58.96	5.53	53.06	4.98	0.00	0.00	5.90	0.55

Appendix C.2: Pollutant Load Calculations - Design Scenario 1a

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (OM) (lbs/yr)	Total P Load to Lake 1 (OM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P2900B-140D	13P2900B	5	24.3	0.2	140	Commercial	0.67	0.67	4.35	0.63	0.00	0.00	L	100	Existing	36	62	1.57	0.39	2.78	0.24	2.51	0.21	0.00	0.00	0.28	0.02	0.00	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	140	Commercial	40.72	32.57	212.58	30.56	0.00	0.00	WP	100	Existing	36	62	76.53	18.95	136.05	11.61	122.45	10.45	0.00	0.00	13.61	1.16	0.00	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	500	Water	4.20	3.36	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	120	Medium Density Residential	2.33	2.33	13.13	2.07	0.00	0.00	N	100	Existing	0	0	0.00	0.00	13.13	2.07	11.82	1.87	0.00	0.00	1.31	0.21	0.00	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	140	Commercial	2.19	2.19	14.32	2.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	14.32	2.06	12.88	1.85	0.00	0.00	1.43	0.21	0.00	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	120	Medium Density Residential	27.85	22.28	125.40	19.81	0.00	0.00	WP	100	Existing	36	62	45.14	12.28	80.25	7.53	72.23	6.77	0.00	0.00	8.03	0.75	0.00	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	140	Commercial	16.02	12.81	83.62	12.02	0.00	0.00	WP	100	Existing	36	62	30.10	7.45	53.52	4.57	48.16	4.11	0.00	0.00	5.35	0.46	0.00	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.02	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	500	Water	6.47	5.18	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	155	Industrial	0.10	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	120	Medium Density Residential	0.03	0.03	0.16	0.03	0.03	0.02	N	100	Existing	0	0	0.00	0.00	0.13	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	120	Medium Density Residential	1.27	1.27	7.14	1.13	1.02	0.65	N	100	Existing	0	0	0.00	0.00	6.12	0.48	5.51	0.43	0.00	0.00	0.61	0.05	0.00	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	155	Industrial	0.02	0.02	0.08	0.02	0.08	0.02	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	155	Industrial	0.14	0.14	0.47	0.10	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.47	0.10	0.42	0.09	0.00	0.00	0.05	0.01	0.00	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.02	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	500	Water	0.02	0.02	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	500	Water	2.44	2.44	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	120	Medium Density Residential	0.18	0.14	0.80	0.13	0.00	0.00	WP	100	Existing	36	62	0.29	0.08	0.51	0.05	0.46	0.04	0.00	0.00	0.05	0.00	0.00	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	120	Medium Density Residential	1.01	0.81	4.55	0.72	0.75	0.48	WP	100	Existing	36	62	1.37	0.15	2.44	0.09	2.19	0.08	0.00	0.00	0.24	0.01	0.00	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	155	Industrial	0.03	0.02	0.07	0.01	0.07	0.01	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	155	Industrial	0.42	0.33	1.09	0.24	0.19	0.12	WP	100	Existing	36	62	0.32	0.07	0.57	0.04	0.52	0.04	0.00	0.00	0.06	0.00	0.00	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	155	Industrial	0.05	0.04	0.14	0.03	0.00	0.00	WP	100	Existing	36	62	0.05	0.02	0.09	0.01	0.08	0.01	0.00	0.00	0.01	0.00	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	155	Industrial	1.86	1.49	4.86	1.05	1.75	1.05	WP	100	Existing	36	62	1.12	0.00	1.99	0.00	1.79	0.00	0.00	0.00	0.20	0.00	0.00	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	500	Water	5.91	4.73	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	120	Medium Density Residential	3.89	3.89	21.90	3.46	2.97	1.90	N	100	Existing	0	0	0.00	0.00	18.93	1.56	17.04	1.40	0.00	0.00	1.89	0.16	0.00	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	500	Water	1.26	1.26	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	120	Medium Density Residential	3.97	3.97	22.36	3.53	3.12	2.00	N	100	Existing	0	0	0.00	0.00	19.24	1.53	17.31	1.38	0.00	0.00	1.92	0.15	0.00	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	185	Recreational 1 (Parks w/little impervious)	0.11	0.11	0.48	0.06	0.48	0.06	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	120	Medium Density Residential	6.97	6.97	39.23	6.20	2.84	1.82	N	100	Existing	0	0	0.00	0.00	36.39	4.38	32.75	3.94	0.00	0.00	3.64	0.44	0.00	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	140	Commercial	0.43	0.43	2.82	0.41	0.00	0.00	N	100	Existing	0	0	0.00	0.00	2.82	0.41	2.54	0.36	0.00	0.00	0.28	0.04	0.00	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	185	Recreational 1 (Parks w/little impervious)	0.03	0.03	0.11	0.01	0.11	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.02	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.09	0.02	0.09	0.01	0.00	0.00	0.01	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	140	Commercial	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	185	Recreational 1 (Parks w/little impervious)	0.09	0.09	0.42	0.05	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.42	0.05	0.37	0.04	0.00	0.00	0.04	0.00	0.00	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	120	Medium Density Residential	3.64	2.91	16.39	2.59	0.00	0.00	WP	100	Existing	36	62	5.90	1.61	10.49	0.98	9.44	0.89	0.00	0.00	1.05	0.10	0.00	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	155	Industrial	0.01	0.01	0.03	0.01	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	120	Medium Density Residential	3.41	2.73	15.36	2.43	0.00	0.00	WP	100	Existing	36	62	5.53	1.50	9.83	0.92	8.85	0.83	0.00	0.00	0.98	0.09	0.00	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	500	Water	3.28	2.63	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	120	Medium Density Residential	0.83	0.66	3.73	0.59	0.00	0.00	WP	100	Existing	36	62	1.34	0.37	2.39	0.22	2.15	0.20	0.00	0.00	0.24	0.02	0.00	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	140	Commercial	0.65	0.52	3.41	0.49	0.00	0.00	WP	100	Existing	36	62	1.23	0.30	2.18	0.19	1.96	0.17	0.00	0.00	0.22	0.02	0.00	0.00
13Q1100B-155D	13Q1100B	5	2.2	0.8	155	Industrial	0.23	0.18	0.59	0.13	0.00	0.00	WP	100	Existing	36	62	0.21	0.08	0.38	0.05	0.34	0.04	0.00	0.00	0.04	0.00	0.00	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	155	Industrial	0.01	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	155	Industrial	0.18	0.15	0.48	0.10	0.21	0.10	WP	100	Existing	36	62	0.09	0.00	0.17	0.00	0.15	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	155	Industrial	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	155	Industrial	0.94	0.75	2.46	0.53	0.00	0.00	WP	100	Existing	36	62	0.88	0.33	1.57	0.20	1.41	0.18	0.00	0.00	0.16	0.02	0.00	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	120	Medium Density Residential	4.75	3.80	21.40	3.38	0.83	0.53	WP	100	Existing	36	62	7.41	1.77	13.17	1.08	11.85	0.97	0.00	0.00	1.32	0.11	0.00	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	130	High Density Residential	4.66	3.73	23.51	5.27	0.00	0.00	WP	100	Existing	36	62	8.46	3.27	15.04	2.00	13.54	1.80	0.00	0.00	1.50	0.20	0.00	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	140	Commercial	0.11	0.08	0.55	0.08	0.00	0.00	WP	100	Existing	36	62	0.20	0.05	0.35	0.03	0.32	0.03	0.00	0.00	0.04	0.00	0.00	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	140	Commercial	30.98	24.78	161.74	23.25	2.97	1.91	WP	100	Existing	36	62	57.16	13.23	101.61	8.11	91.45	7.30	0.00	0.00	10.16	0.81	0.00	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	155	Industrial	0.11	0.09	0.29	0.06	0.00	0.00	WP	100	Existing	36	62	0.10	0.04	0.18	0.02	0.16	0.02	0.00	0.00	0.02	0.00	0.00	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	185	Recreational 1 (Parks w/little impervious)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.3 Runoff Calculations – Design Scenario 1b

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L0800B-120A	13L0800B	4	35.0	9.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	6.62	L	Existing	100	0	0.00	4.55	2.08	0.00	0.00	0.00	2.08
13L0800B-120D	13L0800B	4	35.0	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.86	L	Existing	100	0	0.00	4.36	3.50	0.00	0.00	0.00	3.50
13L0800B-130A	13L0800B	4	35.0	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.39	L	Existing	100	0	0.00	0.10	0.29	0.00	0.00	0.00	0.29
13L0800B-130D	13L0800B	4	35.0	0.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.79	L	Existing	100	0	0.00	0.43	1.36	0.00	0.00	0.00	1.36
13L0800B-140A	13L0800B	4	35.0	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.52	L	Existing	100	0	0.00	0.09	0.43	0.00	0.00	0.00	0.43
13L0800B-140D	13L0800B	4	35.0	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.10	L	Existing	100	0	0.00	0.18	0.92	0.00	0.00	0.00	0.92
13L0800B-186D	13L0800B	4	35.0	7.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	1.17	L	Existing	100	0	0.00	3.31	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.82	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.38	L	Existing	100	0	0.00	0.19	1.18	0.00	0.00	0.00	1.18
13L0800B-600D	13L0800B	4	35.0	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	2.14	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.00	L	Existing	100	0	0.00	0.46	2.54	0.00	0.00	0.00	2.54
13L0801B-120A	13L0801B	4	26.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.00	0.00	0.00	0.04
13L0801B-120D	13L0801B	4	26.1	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.32	DP	Existing	100	80	5.06	0.00	1.26	0.00	0.00	0.00	1.26
13L0801B-130A	13L0801B	4	26.1	9.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	16.92	DP	Existing	100	80	13.54	0.00	3.38	0.00	0.00	0.00	3.38
13L0801B-130D	13L0801B	4	26.1	1.2	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.39	DP	Existing	100	80	1.91	0.00	0.48	0.00	0.00	0.00	0.48
13L0801B-140A	13L0801B	4	26.1	4.7	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	13.48	DP	Existing	100	80	10.78	0.00	2.70	0.00	0.00	0.00	2.70
13L0801B-140D	13L0801B	4	26.1	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.05	DP	Existing	100	80	0.84	0.00	0.21	0.00	0.00	0.00	0.21
13L0801B-186A	13L0801B	4	26.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.44	DP	Existing	100	80	0.35	0.00	0.09	0.00	0.00	0.00	0.09
13L0801B-430A	13L0801B	4	26.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.40	WP	Existing	100	20	0.08	0.00	0.32	0.00	0.00	0.00	0.32
13L0820B-120D	13L0820B	4	24.7	7.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.69	WP	Existing	100	20	1.34	0.00	5.35	0.00	0.00	0.00	5.35
13L0820B-130A	13L0820B	4	24.7	2.4	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	4.31	WP	Existing	100	20	0.86	0.00	3.45	0.00	0.00	0.00	3.45
13L0820B-130D	13L0820B	4	24.7	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.20	WP	Existing	100	20	1.84	0.00	7.36	0.00	0.00	0.00	7.36
13L0820B-140D	13L0820B	4	24.7	4.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	13.56	WP	Existing	100	20	2.71	0.00	10.85	0.00	0.00	0.00	10.85
13L0820B-186D	13L0820B	4	24.7	3.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.61	WP	Existing	100	20	0.12	0.00	0.49	0.00	0.00	0.00	0.49
13L0820B-500D	13L0820B	4	24.7	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.42	WP	Existing	100	20	0.68	0.00	2.74	0.00	0.00	0.00	2.74
13L1000B-120A	13L1000B	3	59.8	4.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.79	L	Existing	100	0	0.00	0.86	1.93	0.00	0.00	1.93	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.93	L	Existing	100	0	0.00	5.70	17.23	0.00	0.00	17.23	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.19	L	Existing	100	0	0.00	1.19	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.09	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.24	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.58	L	Existing	100	0	0.00	0.24	3.33	0.00	0.00	3.33	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.36	GCP-3	Existing	100	20	0.07	0.00	0.29	0.00	0.29	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.73	GCP-3	Existing	100	20	0.95	0.00	3.78	0.00	3.78	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-3	Existing	100	20	0.01	0.00	0.05	0.00	0.05	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.96	WP	Existing	100	20	0.39	0.00	1.57	0.00	1.57	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.84	WP	Existing	100	20	0.77	0.00	3.07	0.00	3.07	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.70	WP	Existing	100	20	0.54	0.00	2.16	0.00	2.16	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.06	W	Existing	100	0	0.00	0.16	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	19.73	W	Existing	100	0	0.00	7.75	11.98	0.00	0.00	11.98	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.01	W	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.02	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.11	L	Existing	100	0	0.00	0.01	0.11	0.00	0.11	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.79	L	Existing	100	0	0.00	1.47	23.32	0.00	23.32	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.25	L	Existing	100	0	0.00	0.36	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.29	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.01	L	Existing	100	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L1200B-600D	13L1200B	2	44.6	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.25	Pond 2-1	Alt. #1b	100	20	0.85	0.00	3.40	0.00	3.40	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.77	Pond 2-1	Alt. #1b	100	20	0.15	0.00	0.62	0.00	0.62	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	Pond 2-1	Alt. #1b	100	20	0.02	0.00	0.07	0.00	0.07	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.57	GCP-11	Existing	100	20	0.31	0.00	1.25	0.00	1.25	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	GCP-11	Existing	100	20	0.78	0.00	3.13	0.00	3.13	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	GCP-11	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	GCP-11	Existing	100	20	0.01	0.00	0.03	0.00	0.03	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.18	N	Existing	100	0	0.00	0.00	1.18	0.00	1.18	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.47	L	Existing	100	0	0.00	0.00	1.47	1.47	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.88	L	Existing	100	0	0.00	0.00	22.88	22.88	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	L	Existing	100	0	0.00	0.00	0.05	0.05	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.21	L	Existing	100	0	0.00	0.00	0.21	0.21	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.54	GCP-7A	Alt. #1b-Alum	100	20	0.11	0.00	0.43	0.43	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	GCP-7A	Alt. #1b-Alum	100	20	0.02	0.00	0.07	0.07	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.09	GCP-7A	Alt. #1b-Alum	100	20	0.22	0.00	0.88	0.88	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7A	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.03	DP	Alt. #1b-Alum	100	80	1.62	0.00	0.41	0.41	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	15.98	DP	Alt. #1b-Alum	100	80	12.78	0.00	3.20	3.20	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.11	W	Alt. #1b-Alum	100	0	0.00	19.46	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.03	W	Alt. #1b-Alum	100	0	0.00	12.79	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	W	Alt. #1b-Alum	100	0	0.00	2.08	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	67.30	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	42.15	N	Alt. #1b-Alum	100	0	0.00	0.00	42.15	42.15	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.96	N	Alt. #1b-Alum	100	0	0.00	0.00	5.96	5.96	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.17	N	Alt. #1b-Alum	100	0	0.00	0.00	29.17	29.17	0.00	0.00	0.00
13L1876B-155D	13L1876B	1	66.8	1.1	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.33	N	Alt. #1b-Alum	100	0	0.00	0.00	0.33	0.33	0.00	0.00	0.00
13L1876B-186D	13L1876B	1	66.8	3.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.59	N	Alt. #1b-Alum	100	0	0.00	0.00	0.59	0.59	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.33	N	Alt. #1b-Alum	100	0	0.00	0.00	27.33	27.33	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	15.37	N	Alt. #1b-Alum	100	0	0.00	0.00	15.37	15.37	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.05	GCP-7B	Alt. #1b-Alum	100	20	3.21	0.00	12.84	12.84	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.53	GCP-7B	Alt. #1b-Alum	100	20	1.11	0.00	4.42	4.42	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.06	GCP-7B	Alt. #1b-Alum	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7B	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.49	W	Alt. #1b-Alum	100	0	0.00	4.73	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	3.48	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.96	W	Alt. #1b-Alum	100	0	0.00	24.44	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.15	W	Alt. #1b-Alum	100	0	0.00	11.36	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	104.36	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.99	GCP-8	Alt. #1b-Alum	100	20	0.40	0.00	1.59	1.59	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-8	Alt. #1b-Alum	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	41.78	N	Alt. #1b-Alum	100	0	0.00	0.00	41.78	41.78	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.50	N	Alt. #1b-Alum	100	0	0.00	0.00	29.50	29.50	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.16	N	Alt. #1b-Alum	100	0	0.00	0.00	0.16	0.16	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.15	W	Alt. #1b-Alum	100	0	0.00	6.51	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.20	W	Alt. #1b-Alum	100	0	0.00	10.27	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	11.30	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.97	W	Alt. #1b-Alum	100	0	0.00	7.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	W	Alt. #1b-Alum	100	0	0.00	5.16	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	19.87	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.90	N	Alt. #1b-Alum	100	0	0.00	0.00	8.90	8.90	0.00	0.00	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L2052B-120D	13L2052B	1	9.2	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.93	N	Alt. #1b-Alum	100	0	0.00	0.00	7.93	7.93	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.52	N	Alt. #1b-Alum	100	0	0.00	0.00	24.52	24.52	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.84	N	Alt. #1b-Alum	100	0	0.00	0.00	1.84	1.84	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.86	N	Alt. #1b-Alum	100	0	0.00	0.00	3.86	3.86	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.70	N	Alt. #1b-Alum	100	0	0.00	0.00	16.70	16.70	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.12	WP	Alt. #1b-Alum	100	20	0.42	0.00	1.70	1.70	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.10	WP	Alt. #1b-Alum	100	20	0.42	0.00	1.68	1.68	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.66	N	Alt. #1b-Alum	100	0	0.00	0.00	3.66	3.66	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.59	W	Alt. #1b-Alum	100	0	0.00	4.57	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.72	W	Alt. #1b-Alum	100	0	0.00	4.39	1.33	1.33	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.16	W	Alt. #1b-Alum	100	0	0.00	0.61	0.55	0.55	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	7.06	W	Alt. #1b-Alum	100	0	0.00	3.65	3.41	3.41	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Alt. #1b-Alum	100	0	0.00	0.14	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.01	W	Alt. #1b-Alum	100	0	0.00	0.75	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.25	W	Alt. #1b-Alum	100	0	0.00	2.21	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.38	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	11.66	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.76	WP	Alt. #1b-Alum	100	20	0.15	0.00	0.60	0.60	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.99	WP	Alt. #1b-Alum	100	20	0.20	0.00	0.79	0.79	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	26.35	WP	Alt. #1b-Alum	100	20	5.27	0.00	21.08	21.08	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.83	WP	Alt. #1b-Alum	100	20	0.17	0.00	0.66	0.66	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.02	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.01	DP	Alt. #1b-Alum	100	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.08	DP	Alt. #1b-Alum	100	80	0.06	0.00	0.02	0.02	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.12	DP	Alt. #1b-Alum	100	80	0.89	0.00	0.22	0.22	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.94	DP	Alt. #1b-Alum	100	80	8.75	0.00	2.19	2.19	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Alt. #1b-Alum	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.18	DP	Alt. #1b-Alum	100	80	0.14	0.00	0.04	0.04	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	38.86	DP	Alt. #1b-Alum	100	80	31.09	0.00	7.77	7.77	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.13	DP	Alt. #1b-Alum	100	80	1.71	0.00	0.43	0.43	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Alt. #1b-Alum	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	DP	Alt. #1b-Alum	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.35	C	Alt. #1b-Alum	100	0	0.00	0.00	0.35	0.35	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.13	C	Alt. #1b-Alum	100	0	0.00	0.00	6.13	6.13	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.01	C	Alt. #1b-Alum	100	0	0.00	0.00	1.01	1.01	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	C	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.07	C	Alt. #1b-Alum	100	0	0.00	0.00	2.07	2.07	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.28	WP	Alt. #1b-Alum	100	20	0.86	0.00	3.43	3.43	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.02	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.50	WP	Alt. #1b-Alum	100	20	0.10	0.00	0.40	0.40	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	60.81	WP	Alt. #1b-Alum	100	20	12.16	0.00	48.65	48.65	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.04	WP	Alt. #1b-Alum	100	20	0.01	0.00	0.03	0.03	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.05	WP	Alt. #1b-Alum	100	20	1.81	0.00	7.24	7.24	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	C	Alt. #1b-Alum	100	0	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.69	C	Alt. #1b-Alum	100	0	0.00	0.00	2.69	2.69	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.10	C	Alt. #1b-Alum	100	0	0.00	0.00	0.10	0.10	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.78	C	Alt. #1b-Alum	100	0	0.00	0.00	0.78	0.78	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	W	Alt. #1b-Alum	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.72	W	Alt. #1b-Alum	100	0	0.00	0.46	0.26	0.26	0.00	0.00	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L3140B-130A	13L3140B	1	38.1	0.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.54	W	Alt. #1b-Alum	100	0	0.00	0.16	0.37	0.37	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	14.22	W	Alt. #1b-Alum	100	0	0.00	2.72	11.50	11.50	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.14	W	Alt. #1b-Alum	100	0	0.00	10.19	43.95	43.95	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.13	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.97	W	Alt. #1b-Alum	100	0	0.00	3.18	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.09	0.00	0.00	0.00	0.00	0.00
13L3140B-600D	13L3140B	1	38.1	5.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	2.84	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.93	WP	Existing	100	20	0.59	0.00	2.34	0.00	0.00	2.34	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.33	WP	Existing	100	20	1.27	0.00	5.06	0.00	0.00	5.06	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.87	WP	Existing	100	20	0.37	0.00	1.50	0.00	0.00	1.50	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.01	WP	Existing	100	20	0.60	0.00	2.40	0.00	0.00	2.40	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.55	WP	Existing	100	20	0.51	0.00	2.04	0.00	0.00	2.04	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.68	WP	Existing	100	20	1.74	0.00	6.94	0.00	0.00	6.94	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	WP	Existing	100	20	0.25	0.00	1.01	0.00	0.00	1.01	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.72	WP	Existing	100	20	0.94	0.00	3.78	0.00	0.00	3.78	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.80	W	Existing	100	0	0.00	2.59	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.29	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.43	L	Existing	100	0	0.00	3.92	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.70	L	Existing	100	0	0.00	25.81	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.95	L	Existing	100	0	0.00	0.53	0.42	0.00	0.00	0.42	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	33.18	L	Existing	100	0	0.00	18.55	14.63	0.00	0.00	14.63	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.98	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.23	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	0.27	L	Existing	100	0	0.00	0.17	0.11	0.00	0.00	0.11	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.30	N	Existing	100	0	0.00	0.00	5.30	0.00	0.00	5.30	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.23	N	Existing	100	0	0.00	0.00	0.23	0.00	0.00	0.23	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.04	GCP-4	Existing	100	20	0.21	0.00	0.83	0.00	0.00	0.83	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.85	GCP-4	Existing	100	20	1.57	0.00	6.28	0.00	0.00	6.28	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-4	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	GCP-4	Existing	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.00	0.00	0.02	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.18	WP	Existing	100	20	2.64	0.00	10.54	0.00	0.00	10.54	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.27	WP	Existing	100	20	0.05	0.00	0.22	0.00	0.00	0.22	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.05	Pond 5-1	Alt. #1b	74.4	20	0.30	0.00	1.74	0.00	0.00	1.74	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.77	Pond 5-1	Alt. #1b	74.4	20	3.24	0.00	18.53	0.00	0.00	18.53	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #1b	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #1b	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #1b	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.75	LL	Existing	100	100	21.75	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	16.08	LL	Existing	100	100	16.08	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.02	W	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.44	W	Existing	100	0	0.00	1.95	0.00	0.00	0.00	0.00	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0700B-500D	13N0700B	3	4.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	W	Existing	100	0	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.51	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	13.97	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	19.85	L	Existing	100	90	17.86	27.27	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.05	L	Existing	100	90	9.94	12.26	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.28	L	Existing	100	90	0.26	0.21	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	15.39	L	Existing	100	90	13.85	5.08	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.58	L	Existing	100	90	0.52	0.19	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.02	L	Existing	100	90	0.02	1.74	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.02	L	Existing	100	90	0.02	0.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	4.18	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	0.30	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.82	L	Existing	100	90	0.74	0.23	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.88	L	Existing	100	90	0.79	0.25	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	52.05	L	Existing	100	90	46.85	14.63	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	2.51	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.96	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	5.14	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.58	N	Existing	100	90	1.43	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.45	N	Existing	100	90	12.10	0.00	1.34	0.00	0.00	0.13	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	N	Existing	100	90	0.14	0.00	0.02	0.00	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	DP	Existing	100	90	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.20	DP	Existing	100	90	3.78	0.00	0.42	0.00	0.00	0.04	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.62	N	Existing	100	90	1.46	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.08	N	Existing	100	90	0.07	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.56	DP	Existing	100	90	0.50	0.00	0.06	0.00	0.00	0.01	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.68	DP	Existing	100	90	7.81	0.00	0.87	0.00	0.00	0.09	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.07	DP	Existing	100	90	0.06	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.73	N	Existing	100	90	7.85	0.00	0.87	0.00	0.00	0.09	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.78	N	Existing	100	90	6.10	0.00	0.68	0.00	0.00	0.07	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.15	N	Existing	100	90	14.53	0.00	1.61	0.00	0.00	0.16	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	10.62	N	Existing	100	90	9.56	0.00	1.06	0.00	0.00	0.11	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.40	WP	Existing	100	90	2.16	0.00	0.24	0.00	0.00	0.02	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	38.98	WP	Existing	100	90	35.08	0.00	3.90	0.00	0.00	0.39	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.13	WP	Existing	100	90	5.52	0.00	0.61	0.00	0.00	0.06	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	WP	Existing	100	90	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.47	WP	Existing	100	20	0.69	0.00	2.77	0.00	0.00	2.77	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.14	WP	Existing	100	20	0.43	0.00	1.71	0.00	0.00	1.71	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.42	WP	Existing	100	20	0.28	0.00	1.14	0.00	0.00	1.14	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.16	WP	Existing	100	20	0.83	0.00	3.33	0.00	0.00	3.33	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0900B-120A	13N0900B	3	7.4	0.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.62	WP	Existing	100	20	0.12	0.00	0.50	0.00	0.00	0.50	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.76	WP	Existing	100	20	0.95	0.00	3.81	0.00	0.00	3.81	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.08	WP	Existing	100	20	0.62	0.00	2.46	0.00	0.00	2.46	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.80	Pond 2-1	Alt. #1b	100	20	0.16	0.00	0.64	0.00	0.00	0.64	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.97	Pond 2-1	Alt. #1b	100	20	1.59	0.00	6.37	0.00	0.00	6.37	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.04	Pond 2-1	Alt. #1b	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.58	Pond 2-1	Alt. #1b	100	20	0.12	0.00	0.47	0.00	0.00	0.47	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	Pond 2-1	Alt. #1b	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.29	Pond 2-1	Alt. #1b	100	20	0.26	0.81	0.22	0.00	0.00	0.22	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.97	Pond 2-1	Alt. #1b	100	20	0.99	2.53	1.44	0.00	0.00	1.44	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.31	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #1b	100	20	0.01	0.86	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.83	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.41	Pond 2-1	Alt. #1b	100	20	0.28	0.00	1.13	0.00	0.00	1.13	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.33	Pond 2-1	Alt. #1b	100	20	0.07	0.00	0.26	0.00	0.00	0.26	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.23	Pond 2-1	Alt. #1b	100	20	0.25	0.00	0.98	0.00	0.00	0.98	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	Pond 2-1	Alt. #1b	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.28	Pond 2-1	Alt. #1b	100	20	0.46	0.00	1.83	0.00	0.00	1.83	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #1b	100	20	0.01	0.00	0.05	0.00	0.00	0.05	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.64	Pond 2-1	Alt. #1b	100	20	0.13	0.00	0.51	0.00	0.00	0.51	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.90	Pond 2-1	Alt. #1b	100	20	0.18	0.00	0.72	0.00	0.00	0.72	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	Pond 2-1	Alt. #1b	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	5.02	Pond 2-1	Alt. #1b	100	20	1.00	0.00	4.02	0.00	0.00	4.02	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	0.15	Pond 2-1	Alt. #1b	100	20	0.03	0.00	0.12	0.00	0.00	0.12	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	Pond 2-1	Alt. #1b	100	20	0.03	0.00	0.10	0.00	0.00	0.10	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.90	Pond 2-1	Alt. #1b	100	20	1.38	0.00	5.52	0.00	0.00	5.52	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	3.70	Pond 2-1	Alt. #1b	100	20	0.74	0.00	2.96	0.00	0.00	2.96	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #1b	100	20	0.01	0.00	0.06	0.00	0.00	0.06	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.38	Pond 2-1	Alt. #1b	100	20	0.08	0.00	0.30	0.00	0.00	0.30	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	Pond 2-1	Alt. #1b	100	20	0.03	0.00	0.10	0.00	0.00	0.10	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.14	Pond 2-1	Alt. #1b	100	20	0.23	0.00	0.91	0.00	0.00	0.91	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	Pond 2-1	Alt. #1b	100	20	0.00	0.00	0.02	0.00	0.00	0.02	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.23	Pond 2-1	Alt. #1b	100	20	0.25	0.00	0.99	0.00	0.00	0.99	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	Pond 2-1	Alt. #1b	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.22	WP	Alt. #1b-Alum	100	20	0.24	0.08	0.90	0.90	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	0.63	1.02	1.13	1.37	6.79	5.40	3.62	2.41	1.48	3.73	27.60	0.58	0.14	WP	Alt. #1b-Alum	100	20	0.03	0.01	0.10	0.10	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.47	WP	Alt. #1b-Alum	100	20	0.09	0.02	0.36	0.36	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.12	WP	Alt. #1b-Alum	100	20	0.02	0.45	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	0.04	0.06	0.06	0.08	0.42	0.36	0.24	0.16	0.10	0.26	1.79	0.04	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.18	WP	Alt. #1b-Alum	100	20	0.04	0.01	0.13	0.13	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.79	WP	Alt. #1b-Alum	100	20	1.36	0.26	5.17	5.17	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.03	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.18	N	Alt. #1b-Alum	100	0	0.00	0.00	0.18	0.18	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.01	N	Alt. #1b-Alum	100	0	0.00	0.00	6.01	6.01	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.24	N	Alt. #1b-Alum	100	0	0.00	0.00	0.24	0.24	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	15.78	WP	Alt. #1b-Alum	100	20	3.16	0.00	12.63	11.36	0.00	1.26	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P1810B-182rD	13P1810B	5	10.0	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.78	WP	Alt. #1b-Alum	100	20	0.16	0.00	0.63	0.56	0.00	0.06	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.09	N	Alt. #1b-Alum	100	0	0.00	0.02	0.07	0.07	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	12.68	N	Alt. #1b-Alum	100	0	0.00	1.86	10.81	10.81	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Alt. #1b-Alum	100	0	0.00	0.04	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	N	Alt. #1b-Alum	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.25	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	W	Alt. #1b-Alum	100	0	0.00	0.88	3.03	2.72	0.00	0.30	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	25.28	W	Alt. #1b-Alum	100	0	0.00	1.67	23.61	21.25	0.00	2.36	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	1.59	W	Alt. #1b-Alum	100	0	0.00	0.33	1.26	1.13	0.00	0.13	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.29	W	Alt. #1b-Alum	100	0	0.00	0.34	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.18	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	34.13	L	Alt. #1b-Alum	100	0	0.00	25.62	8.50	7.65	0.00	0.85	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	0.85	1.40	1.52	1.83	9.01	7.08	4.72	3.14	1.92	4.83	36.30	0.76	0.01	L	Alt. #1b-Alum	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	L	Alt. #1b-Alum	100	0	0.00	0.11	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.70	L	Alt. #1b-Alum	100	0	0.00	0.45	0.24	0.22	0.00	0.02	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	17.19	L	Alt. #1b-Alum	100	0	0.00	11.16	6.03	5.42	0.00	0.60	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	18.09	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	1.47	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.74	N	Alt. #1b-Alum	100	0	0.00	0.00	2.74	2.47	0.00	0.27	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.33	N	Alt. #1b-Alum	100	0	0.00	0.00	0.33	0.30	0.00	0.03	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	5.22	N	Alt. #1b-Alum	100	0	0.00	0.00	5.22	4.69	0.00	0.52	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	26.24	N	Alt. #1b-Alum	100	0	0.00	0.00	26.24	23.62	0.00	2.62	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.12	N	Alt. #1b-Alum	100	0	0.00	0.00	0.12	0.11	0.00	0.01	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.15	N	Alt. #1b-Alum	100	0	0.00	0.00	0.15	0.13	0.00	0.01	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.22	N	Alt. #1b-Alum	100	0	0.00	0.00	0.22	0.20	0.00	0.02	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.27	N	Alt. #1b-Alum	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.27	N	Alt. #1b-Alum	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.20	N	Alt. #1b-Alum	100	0	0.00	0.00	17.20	15.48	0.00	1.72	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.06	N	Alt. #1b-Alum	100	0	0.00	0.00	0.06	0.06	0.00	0.01	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	12.91	L	Alt. #1b-Alum	100	0	0.00	19.27	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.19	L	Alt. #1b-Alum	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.55	L	Alt. #1b-Alum	100	0	0.00	23.85	30.70	27.63	0.00	3.07	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.03	L	Alt. #1b-Alum	100	0	0.00	0.26	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.26	L	Alt. #1b-Alum	100	0	0.00	0.85	1.40	1.26	0.00	0.14	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	40.92	L	Alt. #1b-Alum	100	0	0.00	15.47	25.45	22.90	0.00	2.54	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	3.21	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	0.68	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.03	WP	Alt. #1b-Alum	100	20	3.41	0.00	13.62	12.26	0.00	1.36	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.53	WP	Alt. #1b-Alum	100	20	0.11	0.00	0.43	0.38	0.00	0.04	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.60	WP	Alt. #1b-Alum	100	20	2.12	0.00	8.48	7.63	0.00	0.85	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.46	WP	Alt. #1b-Alum	100	20	0.09	0.00	0.37	0.33	0.00	0.04	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.89	N	Alt. #1b-Alum	100	0	0.00	0.00	10.89	9.80	0.00	1.09	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.11	N	Alt. #1b-Alum	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.24	L	Alt. #1b-Alum	100	0	0.00	3.13	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.38	L	Alt. #1b-Alum	100	0	0.00	0.85	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	126.56	L	Alt. #1b-Alum	100	0	0.00	226.67	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	1.03	L	Alt. #1b-Alum	100	0	0.00	1.24	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.00	L	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	2.39	L	Alt. #1b-Alum	100	0	0.00	1.27	1.12	1.01	0.00	0.11	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	123.58	L	Alt. #1b-Alum	100	0	0.00	64.82	58.76	52.88	0.00	5.88	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2600B-155D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.59	L	Alt. #1b-Alum	100	0	0.00	3.11	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	L	Alt. #1b-Alum	100	0	0.00	7.33	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	5.54	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.14	L	Alt. #1b-Alum	100	0	0.00	4.15	4.99	4.49	0.00	0.50	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	419.99	L	Alt. #1b-Alum	100	0	0.00	190.54	229.45	206.50	0.00	22.94	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	16.37	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	4.30	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.86	N	Alt. #1b-Alum	100	0	0.00	0.00	0.86	0.77	0.00	0.09	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	14.52	N	Alt. #1b-Alum	100	0	0.00	0.00	14.52	13.07	0.00	1.45	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.43	N	Alt. #1b-Alum	100	0	0.00	0.00	0.43	0.38	0.00	0.04	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.70	N	Alt. #1b-Alum	100	0	0.00	0.00	8.70	7.83	0.00	0.87	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.20	N	Alt. #1b-Alum	100	0	0.00	0.00	0.20	0.18	0.00	0.02	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	20.02	N	Alt. #1b-Alum	100	0	0.00	0.00	20.02	18.02	0.00	2.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.28	N	Alt. #1b-Alum	100	0	0.00	0.00	0.28	0.26	0.00	0.03	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	4.62	DP	Alt. #1b-Alum	100	80	3.70	0.00	0.92	0.83	0.00	0.09	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.84	W	Alt. #1b-Alum	100	0	0.00	2.41	2.43	2.19	0.00	0.24	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.61	W	Alt. #1b-Alum	100	0	0.00	0.65	0.96	0.87	0.00	0.10	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	W	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.14	W	Alt. #1b-Alum	100	0	0.00	0.02	0.12	0.11	0.00	0.01	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	37.85	W	Alt. #1b-Alum	100	0	0.00	4.46	33.40	30.06	0.00	3.34	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.44	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.06	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.58	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.43	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.94	W	Alt. #1b-Alum	100	0	0.00	11.32	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.75	W	Alt. #1b-Alum	100	0	0.00	2.69	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	9.64	W	Alt. #1b-Alum	100	0	0.00	4.34	5.30	4.77	0.00	0.53	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.07	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	3.36	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	2.41	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	10.01	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	11.54	W	Alt. #1b-Alum	100	0	0.00	6.62	4.93	4.43	0.00	0.49	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.65	W	Alt. #1b-Alum	100	0	0.00	0.76	0.88	0.80	0.00	0.09	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.44	W	Alt. #1b-Alum	100	0	0.00	0.06	0.38	0.34	0.00	0.04	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.05	W	Alt. #1b-Alum	100	0	0.00	1.75	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	1.06	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	0.37	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	59.34	L	Alt. #1b-Alum	100	0	0.00	9.66	49.68	44.71	0.00	4.97	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.38	L	Alt. #1b-Alum	100	0	0.00	0.03	0.35	0.32	0.00	0.04	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	68.26	L	Alt. #1b-Alum	100	0	0.00	4.83	63.43	57.08	0.00	6.34	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.63	L	Alt. #1b-Alum	100	0	0.00	2.61	52.03	46.82	0.00	5.20	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	4.08	L	Alt. #1b-Alum	100	0	0.00	0.62	3.46	3.12	0.00	0.35	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.03	L	Alt. #1b-Alum	100	0	0.00	0.35	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	2.73	L	Alt. #1b-Alum	100	0	0.00	2.26	0.47	0.42	0.00	0.05	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	15.49	L	Alt. #1b-Alum	100	0	0.00	0.64	14.85	13.37	0.00	1.49	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	0.15	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.37	L	Alt. #1b-Alum	100	0	0.00	0.00	16.37	14.73	0.00	1.64	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.26	L	Alt. #1b-Alum	100	0	0.00	0.00	9.26	8.33	0.00	0.93	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.67	L	Alt. #1b-Alum	100	0	0.00	0.00	0.67	0.60	0.00	0.07	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	40.72	WP	Alt. #1b-Alum	100	20	8.14	0.00	32.57	29.32	0.00	3.26	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P3400B-430D	13P3400B	5	15.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.20	WP	Alt. #1b-Alum	100	20	0.84	0.00	3.36	3.02	0.00	0.34	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.33	N	Alt. #1b-Alum	100	0	0.00	0.00	2.33	2.10	0.00	0.23	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.19	N	Alt. #1b-Alum	100	0	0.00	0.00	2.19	1.97	0.00	0.22	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.85	WP	Alt. #1b-Alum	100	20	5.57	0.00	22.28	20.05	0.00	2.23	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	16.02	WP	Alt. #1b-Alum	100	20	3.20	0.00	12.81	11.53	0.00	1.28	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.47	WP	Alt. #1b-Alum	100	20	1.29	0.00	5.18	4.66	0.00	0.52	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	W	Alt. #1b-Alum	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.10	W	Alt. #1b-Alum	100	0	0.00	0.95	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Alt. #1b-Alum	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #1b-Alum	100	0	0.00	7.38	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	N	Alt. #1b-Alum	100	0	0.00	0.00	0.03	0.03	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.27	N	Alt. #1b-Alum	100	0	0.00	0.00	1.27	1.14	0.00	0.13	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.02	N	Alt. #1b-Alum	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.14	N	Alt. #1b-Alum	100	0	0.00	0.00	0.14	0.13	0.00	0.01	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	N	Alt. #1b-Alum	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.44	N	Alt. #1b-Alum	100	0	0.00	0.00	2.44	2.19	0.00	0.24	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	WP	Alt. #1b-Alum	100	20	0.04	0.00	0.14	0.13	0.00	0.01	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.01	WP	Alt. #1b-Alum	100	20	0.20	0.00	0.81	0.73	0.00	0.08	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.03	WP	Alt. #1b-Alum	100	20	0.01	0.00	0.02	0.02	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.42	WP	Alt. #1b-Alum	100	20	0.08	0.00	0.33	0.30	0.00	0.03	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.05	WP	Alt. #1b-Alum	100	20	0.01	0.00	0.04	0.04	0.00	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	1.86	WP	Alt. #1b-Alum	100	20	0.37	0.00	1.49	1.34	0.00	0.15	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	5.91	WP	Alt. #1b-Alum	100	20	1.18	0.00	4.73	4.25	0.00	0.47	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.89	N	Alt. #1b-Alum	100	0	0.00	0.00	3.89	3.50	0.00	0.39	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	N	Alt. #1b-Alum	100	0	0.00	0.00	1.26	1.13	0.00	0.13	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.97	N	Alt. #1b-Alum	100	0	0.00	0.00	3.97	3.58	0.00	0.40	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	N	Alt. #1b-Alum	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.97	N	Alt. #1b-Alum	100	0	0.00	0.00	6.97	6.27	0.00	0.70	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.43	N	Alt. #1b-Alum	100	0	0.00	0.00	0.43	0.39	0.00	0.04	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	N	Alt. #1b-Alum	100	0	0.00	0.00	0.03	0.02	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	N	Alt. #1b-Alum	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.00	N	Alt. #1b-Alum	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	N	Alt. #1b-Alum	100	0	0.00	0.00	0.09	0.09	0.00	0.01	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.64	WP	Alt. #1b-Alum	100	20	0.73	0.00	2.91	2.62	0.00	0.29	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.01	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.41	WP	Alt. #1b-Alum	100	20	0.68	0.00	2.73	2.46	0.00	0.27	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.28	WP	Alt. #1b-Alum	100	20	0.66	0.00	2.63	2.36	0.00	0.26	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.83	WP	Alt. #1b-Alum	100	20	0.17	0.00	0.66	0.60	0.00	0.07	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.65	WP	Alt. #1b-Alum	100	20	0.13	0.00	0.52	0.47	0.00	0.05	0.00

Appendix C.3: Runoff Calculations - Design Scenario 1b

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
439	1340	1727	1360	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13Q1100B-155D	13Q1100B	5	2.2	0.8	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.23	WP	Alt. #1b-Alum	100	20	0.05	0.00	0.18	0.16	0.00	0.02	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.01	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.18	WP	Alt. #1b-Alum	100	20	0.04	0.00	0.15	0.13	0.00	0.01	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.94	WP	Alt. #1b-Alum	100	20	0.19	0.00	0.75	0.68	0.00	0.08	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.75	WP	Alt. #1b-Alum	100	20	0.95	0.00	3.80	3.42	0.00	0.38	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	4.66	WP	Alt. #1b-Alum	100	20	0.93	0.00	3.73	3.35	0.00	0.37	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.11	WP	Alt. #1b-Alum	100	20	0.02	0.00	0.08	0.08	0.00	0.01	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	30.98	WP	Alt. #1b-Alum	100	20	6.20	0.00	24.78	22.30	0.00	2.48	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.11	WP	Alt. #1b-Alum	100	20	0.02	0.00	0.09	0.08	0.00	0.01	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #1b-Alum	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.4 Pollutant Load Calculations – Design Scenario 1b

Appendix C.4: Pollutant Load Calculations - Design Scenario 1b

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treat-ment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Additional Treatment -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Alum - N Removal Lake 1 (QM) (lbs/yr)	Alum - P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
							2830	1727	8335	1312	421.9	231.9						1895.0	461.6	6018.0	618.8				2457.2	478.6	2536.8	58.4	141.0	10.4	730.1	57.5	149.3	13.7
13L0800B-120A	13L0800B	4	35.0	9.6	120	Medium Density Residential	6.62	2.08	11.68	1.85	5.47	1.85	L	100	Existing	36	62	2.23	0.00	3.97	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00
13L0800B-120D	13L0800B	4	35.0	9.2	120	Medium Density Residential	7.86	3.50	19.70	3.11	5.22	3.11	L	100	Existing	36	62	5.21	0.00	9.27	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27	0.00
13L0800B-130A	13L0800B	4	35.0	0.2	130	High Density Residential	0.39	0.29	1.83	0.41	0.09	0.06	L	100	Existing	36	62	0.63	0.22	1.11	0.13	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.13
13L0800B-130D	13L0800B	4	35.0	0.9	130	High Density Residential	1.79	1.36	8.56	1.92	0.00	0.00	L	100	Existing	36	62	3.08	1.19	5.48	0.73	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.48	0.73
13L0800B-140A	13L0800B	4	35.0	0.2	140	Commercial	0.52	0.43	2.84	0.41	0.00	0.00	L	100	Existing	36	62	1.02	0.25	1.82	0.16	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.16
13L0800B-140D	13L0800B	4	35.0	0.4	140	Commercial	1.10	0.92	6.01	0.86	0.00	0.00	L	100	Existing	36	62	2.16	0.54	3.84	0.33	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.33
13L0800B-186D	13L0800B	4	35.0	7.0	186	Recreational 2 (Parks w/facilities)	1.17	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	500	Water	1.38	1.18	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-600D	13L0800B	4	35.0	4.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	8100	Transportation	3.00	2.54	9.45	1.15	0.69	0.45	L	100	Existing	36	62	3.15	0.44	5.61	0.27	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.61	0.27
13L0801B-120A	13L0801B	4	26.1	0.3	120	Medium Density Residential	0.18	0.04	0.20	0.03	0.00	0.00	DP	100	Existing	80	80	0.16	0.03	0.04	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01
13L0801B-120D	13L0801B	4	26.1	7.4	120	Medium Density Residential	6.32	1.26	7.11	1.12	1.06	0.68	DP	100	Existing	80	80	4.84	0.36	1.21	0.09	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.09
13L0801B-130A	13L0801B	4	26.1	9.3	130	High Density Residential	16.92	3.38	21.35	4.79	7.09	4.55	DP	100	Existing	80	80	11.41	0.19	2.85	0.05	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.05
13L0801B-130D	13L0801B	4	26.1	1.2	130	High Density Residential	2.39	0.48	3.02	0.68	0.72	0.46	DP	100	Existing	80	80	1.84	0.17	0.46	0.04	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.04
13L0801B-140A	13L0801B	4	26.1	4.7	140	Commercial	13.48	2.70	17.59	2.53	0.00	0.00	DP	100	Existing	80	80	14.08	2.02	3.52	0.51	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.51
13L0801B-140D	13L0801B	4	26.1	0.4	140	Commercial	1.05	0.21	1.37	0.20	0.06	0.04	DP	100	Existing	80	80	1.04	0.12	0.26	0.03	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.03
13L0801B-186A	13L0801B	4	26.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	186	Recreational 2 (Parks w/facilities)	0.44	0.09	0.38	0.05	0.38	0.05	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-430A	13L0801B	4	26.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	120	Medium Density Residential	0.40	0.32	1.78	0.28	0.10	0.06	WP	100	Existing	36	62	0.61	0.14	1.08	0.08	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.08
13L0820B-120D	13L0820B	4	24.7	7.8	120	Medium Density Residential	6.69	5.35	30.13	4.76	0.87	0.56	WP	100	Existing	36	62	10.53	2.60	18.73	1.60	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.73	1.60
13L0820B-130A	13L0820B	4	24.7	2.4	130	High Density Residential	4.31	3.45	21.74	4.87	0.00	0.00	WP	100	Existing	36	62	7.83	3.02	13.91	1.85	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.91	1.85
13L0820B-130D	13L0820B	4	24.7	4.7	130	High Density Residential	9.20	7.36	46.45	10.41	0.00	0.00	WP	100	Existing	36	62	16.72	6.45	29.73	3.96	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.73	3.96
13L0820B-140D	13L0820B	4	24.7	4.6	140	Commercial	13.56	10.85	70.81	10.18	0.00	0.00	WP	100	Existing	36	62	25.49	6.31	45.32	3.87	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.32	3.87
13L0820B-186D	13L0820B	4	24.7	3.6	186	Recreational 2 (Parks w/facilities)	0.61	0.49	2.14	0.25	0.50	0.25	WP	100	Existing	36	62	0.59	0.00	1.05	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00
13L0820B-500D	13L0820B	4	24.7	1.0	500	Water	3.42	2.74	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-120A	13L1000B	3	59.8	4.0	120	Medium Density Residential	2.79	1.93	10.89	1.72	1.09	0.70	L	100	Existing	36	62	3.53	0.63	6.27	0.39	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.27	0.39
13L1000B-120D	13L1000B	3	59.8	26.8	120	Medium Density Residential	22.93	17.23	97.00	15.32	8.17	5.24	L	100	Existing	36	62	31.98	6.25	56.86	3.83	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.86	3.83
13L1000B-182rA	13L1000B	3	59.8	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	182r	Golf Course (w/Reclaimed Irrigation)	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	186	Recreational 2 (Parks w/facilities)	0.09	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	8100	Transportation	3.58	3.33	12.41	1.51	2.93	1.51	L	100	Existing	36	62	3.41	0.00	6.07	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.07	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	120	Medium Density Residential	0.36	0.29	1.61	0.25	0.38	0.25	GCP-3	100	Existing	41	72	0.51	0.01	0.72	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	120	Medium Density Residential	4.73	3.78	21.29	3.36	2.91	1.86	GCP-3	100	Existing	41	72	7.60	1.08	10.78	0.42	0	0.00	0.00	0.00	0.00	0.00	0.00	10.78	0.42	0.00	0.00	0.00	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-3	100	Existing	41	72	0.15	0.04	0.21	0.02	0	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	120	Medium Density Residential	1.96	1.57	8.83	1.40	0.63	0.41	WP	100	Existing	36	62	2.95	0.61	5.25	0.38	0	0.00	0.00	0.00	0.00	0.00	0.00	5.25	0.38	0.00	0.00	0.00	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	120	Medium Density Residential	3.84	3.07	17.31	2.73	2.05	1.32	WP	100	Existing	36	62	5.49	0.88	9.76	0.54	0	0.00	0.00	0.00	0.00	0.00	0.00	9.76	0.54	0.00	0.00	0.00	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	500	Water	2.70	2.16	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	110	Low Density Residential	0.06	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	120	Medium Density Residential	19.73	11.98	67.46	10.66	12.07	7.74	W	100	Existing	20	30	11.08	0.87	44.31	2.04	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.31	2.04	0.00	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	130	High Density Residential	0.01	0.01	0.04	0.01	0.00	0.00	W	100	Existing	20	30	0.01	0.00	0.04	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	120	Medium Density Residential	0.11	0.11	0.59	0.09	0.00	0.00	L	100	Existing	36	62	0.21	0.06	0.38	0.04	0	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.04	0.00	0.00	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	120	Medium Density Residential	24.79	23.32	131.27	20.74	3.55	2.28	L	100	Existing	36	62	45.98	11.44	81.74	7.01	0	0.00	0.00	0.00	0.00	0.00	0.00	81.74	7.01	0.00	0.00	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	182r	Golf Course (w/Reclaimed Irrigation)	0.25	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	500	Water	0.01	0.01	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	120	Medium Density Residential	4.25	3.40	19.15	3.03	2.97	1.91	Pond 2-1	100	Alt. #1b	43	81	6.94	0.91	9.23	0.21	0	0.00	0.00	0.00	0.00	0.00	0.00	9.23	0.21	0.00	0.00	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	120	Medium Density Residential	0.77	0.62	3.47	0.55	1.44	0.55	Pond 2-1	100	Alt. #1b	43	81	0.87	0.00	1.15	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.01	0.00	0.01	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.50	0.08	0.50	0.08	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	120	Medium Density Residential	1.57	1.25	7.05	1.11	3.47	1.11	GCP-11	100	Existing	23	51	0.83	0.00	2.75	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	120	Medium Density Residential	3.91	3.13	17.61	2.78	0.46	0.29	GCP-11	100	Existing	23	51	3.99	1.27	13.16	1.22	0	0.00	0.00	0.00	0.00	0.00	0.00	13.16	1.22	0.00	0.00	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.00	0.03	0.00	0.03	0.00	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.03	0.19	0.03	0.19	0.03	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	120	Medium Density Residential	1.18	1.18	6.63	1.05	0.75	0.48	N	100	Existing	0	0	0.00	0.00	5.88	0.57	0	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.57	0.00	0.00	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.01	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	120	Medium Density Residential	1.47	1.47	8.27	1.31	2.46	1.31	L	100	Existing	36	62	2.09	0.00	3.72	0.00	0	0.00	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	120	Medium Density Residential	22.88	22.88	128.77	20.34	10.54	6.76	L	100	Existing	36	62	42.56	8.42	75.67	5.16	0	0.00	0.00	0.00	0.00	75.67	5.16	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.05	0.34	0.06	0.00	0.00	L	100	Existing	36	62	0.12	0.03	0.22	0.02	0	0.00	0.00	0.00	0.00	0.22	0.02

Appendix C.4: Pollutant Load Calculations - Design Scenario 1b

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treat-ment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Additional Treatment -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Alum - N Removal Lake 1 (QM) (lbs/yr)	Alum - P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13L1950B-120D	13L1950B	1	53.3	9.3	120	Medium Density Residential	7.96	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	182r	Golf Course (w/Reclaimed Irrigation)	0.15	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	120	Medium Density Residential	1.99	1.59	8.95	1.41	1.96	1.25	GCP-8	100	Alt. #1b-Alum	37	62	2.57	0.10	4.42	0.06	Alum Treatment	50.00	90.00	2.21	0.05	2.21	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-8	100	Alt. #1b-Alum	37	62	0.13	0.04	0.23	0.02	Alum Treatment	50.00	90.00	0.11	0.02	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	100	Alt. #1b-Alum	37	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	120	Medium Density Residential	41.78	41.78	235.18	37.15	38.44	24.65	N	100	Alt. #1b-Alum	0	0	0.00	0.00	196.74	12.50	Alum Treatment	50.00	90.00	98.37	11.25	98.37	1.25	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	140	Commercial	29.50	29.50	192.51	27.67	5.52	3.54	N	100	Alt. #1b-Alum	0	0	0.00	0.00	186.99	24.13	Alum Treatment	50.00	90.00	93.49	21.72	93.49	2.41	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	186	Recreational 2 (Parks w/facilities)	0.16	0.16	0.69	0.08	0.11	0.07	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.58	0.01	Alum Treatment	50.00	90.00	0.29	0.01	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	120	Medium Density Residential	3.15	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	182r	Golf Course (w/Reclaimed Irrigation)	0.20	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	120	Medium Density Residential	2.97	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	120	Medium Density Residential	8.90	8.90	50.12	7.92	7.74	4.96	N	100	Alt. #1b-Alum	0	0	0.00	0.00	42.38	2.95	Alum Treatment	50.00	90.00	21.19	2.66	21.19	0.30	0.00	0.00	0.00	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	120	Medium Density Residential	7.93	7.93	44.63	7.05	6.11	3.92	N	100	Alt. #1b-Alum	0	0	0.00	0.00	38.52	3.13	Alum Treatment	50.00	90.00	19.26	2.82	19.26	0.31	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	120	Medium Density Residential	24.52	24.52	138.03	21.80	17.78	11.40	N	100	Alt. #1b-Alum	0	0	0.00	0.00	120.25	10.40	Alum Treatment	50.00	90.00	60.13	9.36	60.13	1.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	140	Commercial	1.84	1.84	11.99	1.72	0.71	0.46	N	100	Alt. #1b-Alum	0	0	0.00	0.00	11.28	1.27	Alum Treatment	50.00	90.00	5.64	1.14	5.64	0.13	0.00	0.00	0.00	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	120	Medium Density Residential	3.86	3.86	21.70	3.43	2.75	1.76	N	100	Alt. #1b-Alum	0	0	0.00	0.00	18.95	1.66	Alum Treatment	50.00	90.00	9.48	1.50	9.48	0.17	0.00	0.00	0.00	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	120	Medium Density Residential	16.70	16.70	94.02	14.85	12.56	8.05	N	100	Alt. #1b-Alum	0	0	0.00	0.00	81.46	6.80	Alum Treatment	50.00	90.00	40.73	6.12	40.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	120	Medium Density Residential	2.12	1.70	9.56	1.51	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	3.44	0.94	6.12	0.57	Alum Treatment	50.00	90.00	3.06	0.52	3.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	500	Water	2.10	1.68	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	120	Medium Density Residential	3.66	3.66	20.60	3.25	4.06	2.60	N	100	Alt. #1b-Alum	0	0	0.00	0.00	16.54	0.65	Alum Treatment	50.00	90.00	8.27	0.59	8.27	0.07	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	120	Medium Density Residential	2.59	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	130	High Density Residential	5.72	1.33	8.39	1.88	2.35	1.51	W	100	Alt. #1b-Alum	20	30	1.21	0.11	4.83	0.26	Alum Treatment	50.00	90.00	2.42	0.23	2.42	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	140	Commercial	1.16	0.55	3.60	0.52	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.72	0.16	2.88	0.36	Alum Treatment	50.00	90.00	1.44	0.33	1.44	0.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	140	Commercial	7.06	3.41	22.25	3.20	1.93	1.24	W	100	Alt. #1b-Alum	20	30	4.06	0.59	16.26	1.37	Alum Treatment	50.00	90.00	8.13	1.23	8.13	0.14	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	186	Recreational 2 (Parks w/facilities)	0.25	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	120	Medium Density Residential	0.76	0.60	3.40	0.54	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	1.22	0.33	2.18	0.20	Alum Treatment	50.00	90.00	1.09	0.18	1.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	120	Medium Density Residential	0.99	0.79	4.47	0.71	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	1.61	0.44	2.86	0.27	Alum Treatment	50.00	90.00	1.43	0.24	1.43	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	130	High Density Residential	26.35	21.08	132.98	29.81	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	47.87	18.48	85.10	11.33	Alum Treatment	50.00	90.00	42.55	10.19	42.55	1.13	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	130	High Density Residential	0.83	0.66	4.19	0.94	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	1.51	0.58	2.68	0.36	Alum Treatment	50.00	90.00	1.34	0.32	1.34	0.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	140	Commercial	0.02	0.02	0.12	0.02	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.04	0.01	0.08	0.01	Alum Treatment	50.00	90.00	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	130	High Density Residential	0.01	0.00	0.02	0.00	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	0.01	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	130	High Density Residential	0.08	0.02	0.10	0.02	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	0.08	0.02	0.02	0.00	Alum Treatment	50.00	90.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	140	Commercial	1.12	0.22	1.46	0.21	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	1.17	0.17	0.29	0.04	Alum Treatment	50.00	90.00	0.15	0.04	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	140	Commercial	10.94	2.19	14.28	2.05	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	11.42	1.64	2.86	0.41	Alum Treatment	50.00	90.00	1.43	0.37	1.43	0.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	130	High Density Residential	0.18	0.04	0.22	0.05	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	0.18	0.04	0.04	0.01	Alum Treatment	50.00	90.00	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	140	Commercial	38.86	7.77	50.72	7.29	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	40.58	5.83	10.14	1.46	Alum Treatment	50.00	90.00	5.07	1.31	5.07	0.15	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	140	Commercial	2.13	0.43	2.78	0.40	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	2.23	0.32	0.56	0.08	Alum Treatment	50.00	90.00	0.28	0.07	0.28	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	120	Medium Density Residential	0.35	0.35	1.94	0.31	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	1.94	0.31	Alum Treatment	50.00	90.00	0.97	0.28	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	130	High Density Residential	6.13	6.13	38.68	8.67	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	38.68	8.67	Alum Treatment	50.00	90.00	19.34	7.80	19.34	0.87	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	140	Commercial	1.01	1.01	6.56	0.94	0.20	0.13	C	100	Alt. #1b-Alum	0	0	0.00	0.00	6.36	0.81	Alum Treatment	50.00	90.00	3.18	0.73	3.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	500	Water	2.07	2.07	0.00	0.00	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	120	Medium Density Residential	4.28	3.43	19.29	3.05	2.83	1.81	WP	100	Alt. #1b-Alum	36	62	5.93	0.76	10.53	0.47	Alum Treatment	50.00	90.00	5.27	0.42	5.27	0.05	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	130	High Density Residential	0.02	0.01	0.08	0.02	0.04	0.02	WP	100	Alt. #1b-Alum	36	62	0.02	0.00	0.03	0.00	Alum Treatment	50.00	90.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.05	0.01	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.02	0.00	0.03	0.00	Alum Treatment	50.00	90.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	140	Commercial	0.50	0.40	2.63	0.38	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.95	0.23	1.69	0.14	Alum Treatment	50.00	90.00	0.84	0.13	0.84	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	140	Commercial	60.81	48.65	317.50	45.64	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	114.30	28.30	203.20	17.34	Alum Treatment	50.00	90.00	101.60	15.61	101.60	1.73	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	186	Recreational 2 (Parks w/facilities)	0.04	0.03	0.13	0.02	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.05	0.01	0.08	0.01	Alum Treatment	50.00	90.00	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	500	Water	9.05	7.24	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.01	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.03	0.01	Alum Treatment	50.00	90.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	130	High Density Residential	2.69	2.69	16.95	3.80	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	16.95	3.80	Alum Treatment	50.00	90.00	8.47	3.42	8.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	140	Commercial	0.10	0.10	0.67	0.10	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.67	0.10	Alum Treatment	50.00	90.00	0.34	0.09	0.34	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	500	Water	0.78	0.78	0.00	0.00	0.00	0.00	C	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	120	Medium Density Residential	0.01	0.00	0.01	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.01	0.00	Alum Treatment	50.00

Appendix C.4: Pollutant Load Calculations - Design Scenario 1b

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treat-ment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Additional Treatment -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Alum - N Removal Lake 1 (QM) (lbs/yr)	Alum - P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13N0200B2-120W	13N0200B2	3	37.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	500	Water	0.95	0.42	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	500	Water	33.18	14.63	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	8100	Transportation	0.27	0.11	0.40	0.05	0.22	0.05	L	100	Existing	36	62	0.06	0.00	0.12	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	120	Medium Density Residential	5.30	5.30	29.82	4.71	3.13	2.01	N	100	Existing	0	0	0.00	0.00	26.69	2.70	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.69	2.70	0.00	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	120	Medium Density Residential	0.04	0.04	0.21	0.03	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.21	0.03	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.03	0.00	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	130	High Density Residential	0.04	0.04	0.27	0.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.27	0.06	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.06	0.00	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	186	Recreational 2 (Parks w/facilities)	0.23	0.23	1.03	0.12	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.03	0.12	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.12	0.00	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	120	Medium Density Residential	1.04	0.83	4.69	0.74	0.10	0.07	GCP-4	100	Existing	36	62	1.66	0.42	2.92	0.26	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.26	0.00	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	120	Medium Density Residential	7.85	6.28	35.33	5.58	6.30	4.04	GCP-4	100	Existing	36	62	10.53	0.95	18.49	0.59	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.49	0.59	0.00	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-4	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.09	0.58	0.10	0.02	0.02	GCP-4	100	Existing	36	62	0.20	0.05	0.36	0.03	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.03	0.00	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	120	Medium Density Residential	0.03	0.02	0.14	0.02	0.14	0.02	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	120	Medium Density Residential	13.18	10.54	59.33	9.37	3.97	2.54	WP	100	Existing	36	62	19.93	4.23	35.43	2.59	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.43	2.59	0.00	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	182r	Golf Course (w/Reclaimed Irrigation)	0.27	0.22	1.46	0.24	1.46	0.24	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	120	Medium Density Residential	2.05	1.74	9.81	1.55	2.51	1.55	Pond 5-1	74.4	Alt. #1b	41	69	2.21	0.00	5.09	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.09	0.00	0.00	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	120	Medium Density Residential	21.77	18.53	104.29	16.48	18.32	11.75	Pond 5-1	74.4	Alt. #1b	41	69	25.99	2.44	59.99	2.29	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.99	2.29	0.00	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #1b	41	69	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #1b	41	69	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #1b	41	69	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	120	Medium Density Residential	21.75	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	500	Water	16.08	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	120	Medium Density Residential	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	120	Medium Density Residential	0.44	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	500	Water	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	120	Medium Density Residential	19.85	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	120	Medium Density Residential	11.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	120	Medium Density Residential	0.28	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	140	Commercial	15.39	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	140	Commercial	0.58	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	500	Water	0.82	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	500	Water	0.88	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	500	Water	52.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	120	Medium Density Residential	1.58	0.16	0.89	0.14	0.70	0.14	N	100	Existing	0	0	0.00	0.00	0.19	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	120	Medium Density Residential	13.45	1.34	7.57	1.20	6.84	1.20	N	100	Existing	0	0	0.00	0.00	0.73	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	185	Recreational 1 (Parks w/little impervious	0.16	0.02	0.07	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.07	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	120	Medium Density Residential	4.20	0.42	2.37	0.37	2.37	0.37	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	120	Medium Density Residential	1.62	0.16	0.91	0.14	0.91	0.14	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	120	Medium Density Residential	0.08	0.01	0.04	0.01	0.04	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	140	Commercial	0.56	0.06	0.36	0.05	0.00	0.00	DP	100	Existing	80	80	0.29	0.04	0.07	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	140	Commercial	8.68	0.87	5.67	0.81	0.00	0.00	DP	100	Existing	80	80	4.53	0.65	1.13	0.16	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	186	Recreational 2 (Parks w/facilities)	0.07	0.01	0.03	0.00	0.00	0.00	DP	100	Existing	80	80	0.02	0.00	0.01	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	120	Medium Density Residential	8.73	0.87	4.91	0.78	4.80	0.78	N	100	Existing	0	0	0.00	0.00	0.12	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	120	Medium Density Residential	6.78	0.68	3.82	0.60	3.82	0.60	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	120	Medium Density Residential	16.15	1.61	9.09	1.44	9.09	1.44	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	120	Medium Density Residential	10.62	1.06	5.98	0.94	5.98	0.94	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	120	Medium Density Residential	2.40	0.24	1.35	0.21	0.00	0.00	WP	100	Existing	36	62	0.49	0.13	0.87	0.08	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B

Appendix C.4: Pollutant Load Calculations - Design Scenario 1b

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treat-ment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Additional Treatment -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Alum - N Removal Lake 1 (QM) (lbs/yr)	Alum - P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P0400B-182rD	13P0400B	3	2.1	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.03	0.18	0.03	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.08	0.02	0.10	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	120	Medium Density Residential	1.29	0.22	1.22	0.19	0.49	0.19	Pond 2-1	100	Alt. #1b	43	81	0.31	0.00	0.41	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	120	Medium Density Residential	4.97	1.44	8.09	1.28	5.82	1.28	Pond 2-1	100	Alt. #1b	43	81	0.98	0.00	1.30	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	120	Medium Density Residential	1.41	1.13	6.36	1.01	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	2.73	0.81	3.63	0.19	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	0.19	0.00	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	120	Medium Density Residential	0.33	0.26	1.48	0.23	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.63	0.19	0.84	0.04	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.04	0.00	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	120	Medium Density Residential	1.23	0.98	5.53	0.87	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	2.37	0.71	3.16	0.17	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16	0.17	0.00	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.09	0.57	0.09	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.25	0.08	0.33	0.02	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.02	0.00	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	120	Medium Density Residential	2.28	1.83	10.28	1.62	1.07	0.69	Pond 2-1	100	Alt. #1b	43	81	3.95	0.76	5.26	0.18	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.26	0.18	0.00	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.35	0.06	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.15	0.05	0.20	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.01	0.00	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	120	Medium Density Residential	0.64	0.51	2.89	0.46	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	1.24	0.37	1.65	0.09	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.09	0.00	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	120	Medium Density Residential	0.90	0.72	4.04	0.64	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	1.73	0.52	2.31	0.12	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.12	0.00	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.04	0.24	0.04	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.10	0.03	0.14	0.01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	120	Medium Density Residential	5.02	4.02	22.62	3.57	1.48	0.95	Pond 2-1	100	Alt. #1b	43	81	9.08	2.13	12.07	0.50	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.07	0.50	0.00	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	170	Institutional	0.15	0.12	0.51	0.06	0.07	0.05	Pond 2-1	100	Alt. #1b	43	81	0.19	0.01	0.25	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.10	0.69	0.11	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.30	0.09	0.39	0.02	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.02	0.00	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	120	Medium Density Residential	6.90	5.52	31.09	4.91	5.84	3.75	Pond 2-1	100	Alt. #1b	43	81	10.84	0.94	14.41	0.22	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.41	0.22	0.00	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	140	Commercial	3.70	2.96	19.30	2.77	1.72	1.10	Pond 2-1	100	Alt. #1b	43	81	7.55	1.36	10.04	0.32	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.04	0.32	0.00	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.06	0.40	0.06	0.40	0.06	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	120	Medium Density Residential	0.38	0.30	1.71	0.27	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.73	0.22	0.98	0.05	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.05	0.00	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.10	0.69	0.11	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.30	0.09	0.40	0.02	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.02	0.00	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	120	Medium Density Residential	1.14	0.91	5.14	0.81	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	2.21	0.66	2.94	0.15	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.15	0.00	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.03	0.01	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.01	0.00	0.02	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.01	0.00	0.00	Pond 2-1	100	Alt. #1b	43	81	0.04	0.01	0.05	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	130	High Density Residential	1.23	0.99	6.22	1.39	0.29	0.19	Pond 2-1	100	Alt. #1b	43	81	2.54	0.98	3.38	0.23	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.38	0.23	0.00	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.04	0.28	0.05	0.28	0.05	Pond 2-1	100	Alt. #1b	43	81	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	130	High Density Residential	1.22	0.90	5.67	1.27	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	2.04	0.79	3.63	0.48	Alum Treatment	50.00	90.00	1.81	0.43	1.81	0.05	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	130	High Density Residential	0.14	0.10	0.65	0.15	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.23	0.09	0.42	0.06	Alum Treatment	50.00	90.00	0.21	0.05	0.21	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	140	Commercial	0.47	0.36	2.33	0.34	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.84	0.21	1.49	0.13	Alum Treatment	50.00	90.00	0.75	0.11	0.75	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	182r	Golf Course (w/Reclaimed Irrigation)	0.12	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	500	Water	0.18	0.13	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	500	Water	6.79	5.17	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	120	Medium Density Residential	0.18	0.18	1.00	0.16	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	1.00	0.16	Alum Treatment	50.00	90.00	0.50	0.14	0.50	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	130	High Density Residential	6.01	6.01	37.90	8.49	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	37.90	8.49	Alum Treatment	50.00	90.00	18.95	7.65	18.95	0.85	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	140	Commercial	0.24	0.24	1.56	0.22	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	1.56	0.22	Alum Treatment	50.00	90.00	0.78	0.20	0.78	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	140	Commercial	15.78	12.63	82.41	11.85	0.11	0.07	WP	100	Alt. #1b-Alum	36	62	29.63	7.30	52.67	4.48	Alum Treatment	50.00	90.00	23.70	3.63	23.70	0.40	0.00	0.00	5.27	0.45	0.00	0.00
13P1810B-182rD	13P1810B	5	10.0	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	186	Recreational 2 (Parks w/facilities)	0.78	0.63	2.74	0.33	0.16	0.10	WP	100	Alt. #1b-Alum	36	62	0.93	0.14	1.65	0.08	Alum Treatment	50.00	90.00	0.74	0.07	0.74	0.01	0.00	0.00	0.17	0.01	0.00	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	130	High Density Residential	0.09	0.07	0.46	0.10	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.46	0.10	Alum Treatment	50.00	90.00	0.23	0.09	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	140	Commercial	12.68	10.81	70.57	10.14	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	70.57	10.14	Alum Treatment	50.00	90.00	35.29	9.13	35.29	1.01	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	120	Medium Density Residential	3.91	3.03	17.03	2.69	1.62	1.04	W	100	Alt. #1b-Alum	20	30	3.08	0.49	12.32	1.15	Alum Treatment	50.00	90.00	5.55	0.93	5.55	0.10	0.00	0.00	1.23	0.12	0.00	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	140	Commercial	25.28	23.61	154.06	22.15	2.36	1.51	W	100	Alt. #1b-Alum	20	30	30.34	6.19	121.36	14.44	Alum Treatment	50.00	90.00	54.61	11.70	54.61	1.30	0.00	0.00	12.14	1.44	0.00	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	170	Institutional	1.59	1.26	5.51	0.65	0.84	0.54	W	100	Alt. #1b-Alum	20	30	0.93	0.03	3.73	0.08	Alum Treatment	50.00	90.00	1.68	0.06	1.68	0.01	0.00	0.00	0.37	0.01	0.00	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	186	Recreational 2 (Parks w/facilities)	0.29	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	140	Commercial	34.13	8.50	55.49	7.98	0.00	0.00	L	100	Alt. #1b-Alum	36	62	19.98	4.95	35.51	3.03	Alum Treatment	50.00	90.00	15.98	2.46	15.98	0.27	0.00	0.00	3.55	0.30	0.00	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	140	Commercial	0.01	0.00	0.02	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.01	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	500	Water	0.70	0.24	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	500	Water	17.19	6.03	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	140	Commercial	2.74	2.74	17.89	2.57	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	17.89	2.57	Alum Treatment	50.00	90.00	8.05	2.08	8.05	0.23	0.00	0.00	1.79	0.26	0.00	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	186	Recreational 2 (Parks w/facilities)	0.33	0.33	1.46	0.17	0.08	0.05	N	100	Alt. #1b-Alum	0	0	0.00	0.00	1.38	0.12	Alum Treatment	50.00	90.00	0.62	0.10	0.62	0.01	0.00	0.00	0.14	0.01	0.00	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	140	Commercial	5.22	5.22	34.04	4.89	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	34.04	4.89	Alum Treatment	50.00	90.00	15.32	3.96	15.32	0.44	0.00	0.00	3.40	0.49	0.00	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	120	Medium Density Residential

Appendix C.4: Pollutant Load Calculations - Design Scenario 1b

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treat-ment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Additional Treatment -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Alum - N Removal Lake 1 (QM) (lbs/yr)	Alum - P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P2600B-120D	13P2600B	5	344.8	147.7	120	Medium Density Residential	126.56	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	120	Medium Density Residential	1.03	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	130	High Density Residential	0.00	0.00	0.01	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	140	Commercial	2.39	1.12	7.29	1.05	0.00	0.00	L	100	Alt. #1b-Alum	36	62	2.62	0.65	4.67	0.40	Alum Treatment	50.00	90.00	2.10	0.32	2.10	0.04	0.00	0.00	0.47	0.04	0.00	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	140	Commercial	123.58	58.76	383.47	55.12	0.00	0.00	L	100	Alt. #1b-Alum	36	62	138.05	34.18	245.42	20.95	Alum Treatment	50.00	90.00	110.44	16.97	110.44	1.89	0.00	0.00	24.54	2.09	0.00	0.00
13P2600B-155D	13P2600B	5	344.8	2.0	155	Industrial	0.59	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	185	Recreational 1 (Parks w/little impervious	0.16	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	500	Water	9.14	4.99	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	500	Water	419.99	229.45	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	120	Medium Density Residential	0.86	0.86	4.84	0.76	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	4.84	0.76	Alum Treatment	50.00	90.00	2.18	0.62	2.18	0.07	0.00	0.00	0.48	0.08	0.00	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	140	Commercial	14.52	14.52	94.75	13.62	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	94.75	13.62	Alum Treatment	50.00	90.00	42.64	11.03	42.64	1.23	0.00	0.00	9.47	1.36	0.00	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	186	Recreational 2 (Parks w/facilities)	0.43	0.43	1.86	0.22	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	1.86	0.22	Alum Treatment	50.00	90.00	0.84	0.18	0.84	0.02	0.00	0.00	0.19	0.02	0.00	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	140	Commercial	8.70	8.70	56.78	8.16	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	56.78	8.16	Alum Treatment	50.00	90.00	25.55	6.61	25.55	0.73	0.00	0.00	5.68	0.82	0.00	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	186	Recreational 2 (Parks w/facilities)	0.20	0.20	0.86	0.10	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.86	0.10	Alum Treatment	50.00	90.00	0.39	0.08	0.39	0.01	0.00	0.00	0.09	0.01	0.00	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	140	Commercial	20.02	20.02	130.68	18.78	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	130.68	18.78	Alum Treatment	50.00	90.00	58.81	15.22	58.81	1.69	0.00	0.00	13.07	1.88	0.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	186	Recreational 2 (Parks w/facilities)	0.28	0.28	1.25	0.15	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	1.25	0.15	Alum Treatment	50.00	90.00	0.56	0.12	0.56	0.01	0.00	0.00	0.12	0.01	0.00	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	140	Commercial	4.62	0.92	6.03	0.87	0.00	0.00	DP	100	Alt. #1b-Alum	80	80	4.82	0.69	1.21	0.17	Alum Treatment	50.00	90.00	0.54	0.14	0.54	0.02	0.00	0.00	0.12	0.02	0.00	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	120	Medium Density Residential	4.84	2.43	13.69	2.16	0.00	0.00	W	100	Alt. #1b-Alum	20	30	2.74	0.65	10.95	1.51	Alum Treatment	50.00	90.00	4.93	1.23	4.93	0.14	0.00	0.00	1.10	0.15	0.00	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	120	Medium Density Residential	1.61	0.96	5.42	0.86	0.00	0.00	W	100	Alt. #1b-Alum	20	30	1.08	0.26	4.34	0.60	Alum Treatment	50.00	90.00	1.95	0.49	1.95	0.05	0.00	0.00	0.43	0.06	0.00	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	140	Commercial	0.14	0.12	0.78	0.11	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.16	0.03	0.63	0.08	Alum Treatment	50.00	90.00	0.28	0.06	0.28	0.01	0.00	0.00	0.06	0.01	0.00	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	140	Commercial	37.85	33.40	217.95	31.33	0.00	0.00	W	100	Alt. #1b-Alum	20	30	43.59	9.40	174.36	21.93	Alum Treatment	50.00	90.00	78.46	17.76	78.46	1.97	0.00	0.00	17.44	2.19	0.00	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	120	Medium Density Residential	5.94	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	120	Medium Density Residential	1.75	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	140	Commercial	9.64	5.30	34.57	4.97	0.00	0.00	W	100	Alt. #1b-Alum	20	30	6.91	1.49	27.66	3.48	Alum Treatment	50.00	90.00	12.45	2.82	12.45	0.31	0.00	0.00	2.77	0.35	0.00	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	120	Medium Density Residential	11.54	4.93	27.73	4.38	0.00	0.00	W	100	Alt. #1b-Alum	20	30	5.55	1.31	22.19	3.07	Alum Treatment	50.00	90.00	9.98	2.48	9.98	0.28	0.00	0.00	2.22	0.31	0.00	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	120	Medium Density Residential	1.65	0.88	4.98	0.79	0.00	0.00	W	100	Alt. #1b-Alum	20	30	1.00	0.24	3.98	0.55	Alum Treatment	50.00	90.00	1.79	0.45	1.79	0.05	0.00	0.00	0.40	0.06	0.00	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	140	Commercial	0.44	0.38	2.48	0.36	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.50	0.11	1.98	0.25	Alum Treatment	50.00	90.00	0.89	0.20	0.89	0.02	0.00	0.00	0.20	0.02	0.00	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	186	Recreational 2 (Parks w/facilities)	0.05	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	120	Medium Density Residential	59.34	49.68	279.64	44.17	0.00	0.00	L	100	Alt. #1b-Alum	36	62	100.67	27.39	178.97	16.79	Alum Treatment	50.00	90.00	80.54	13.60	80.54	1.51	0.00	0.00	17.90	1.68	0.00	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	130	High Density Residential	0.38	0.35	2.22	0.50	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.80	0.31	1.42	0.19	Alum Treatment	50.00	90.00	0.64	0.15	0.64	0.02	0.00	0.00	0.14	0.02	0.00	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	130	High Density Residential	68.26	63.43	400.15	89.69	0.00	0.00	L	100	Alt. #1b-Alum	36	62	144.05	55.61	256.10	34.08	Alum Treatment	50.00	90.00	115.24	27.61	115.24	3.07	0.00	0.00	25.61	3.41	0.00	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	140	Commercial	54.63	52.03	339.55	48.81	0.00	0.00	L	100	Alt. #1b-Alum	36	62	122.24	30.26	217.31	18.55	Alum Treatment	50.00	90.00	97.79	15.02	97.79	1.67	0.00	0.00	21.73	1.85	0.00	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	170	Institutional	4.08	3.46	15.16	1.80	0.00	0.00	L	100	Alt. #1b-Alum	36	62	5.46	1.11	9.70	0.68	Alum Treatment	50.00	90.00	4.37	0.55	4.37	0.06	0.00	0.00	0.97	0.07	0.00	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	186	Recreational 2 (Parks w/facilities)	2.73	0.47	2.05	0.24	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.74	0.15	1.32	0.09	Alum Treatment	50.00	90.00	0.59	0.08	0.59	0.01	0.00	0.00	0.13	0.01	0.00	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	500	Water	15.49	14.85	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	120	Medium Density Residential	16.37	16.37	92.12	14.55	0.00	0.00	L	100	Alt. #1b-Alum	36	62	33.16	9.02	58.96	5.53	Alum Treatment	50.00	90.00	26.53	4.48	26.53	0.50	0.00	0.00	5.90	0.55	0.00	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	130	High Density Residential	9.26	9.26	58.42	13.09	0.00	0.00	L	100	Alt. #1b-Alum	36	62	21.03	8.12	37.39	4.98	Alum Treatment	50.00	90.00	16.82	4.03	16.82	0.45	0.00	0.00	3.74	0.50	0.00	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	140	Commercial	0.67	0.67	4.35	0.63	0.00	0.00	L	100	Alt. #1b-Alum	36	62	1.57	0.39	2.78	0.24	Alum Treatment	50.00	90.00	1.25	0.19	1.25	0.02	0.00	0.00	0.28	0.02	0.00	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	140	Commercial	40.72	32.57	212.58	30.56	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	76.53	18.95	136.05	11.61	Alum Treatment	50.00	90.00	61.22	9.41	61.22	1.05	0.00	0.00	13.61	1.16	0.00	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	500	Water	4.20	3.36	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	120	Medium Density Residential	2.33	2.33	13.13	2.07	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	13.13	2.07	Alum Treatment	50.00	90.00	5.91	1.68	5.91	0.19	0.00	0.00	1.31	0.21	0.00	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	140	Commercial	2.19	2.19	14.32	2.06	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	14.32	2.06	Alum Treatment	50.00	90.00	6.44	1.67	6.44	0.19	0.00	0.00	1.43	0.21	0.00	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.01	0.00	0.02	0.00	Alum Treatment	50.00	90.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	120	Medium Density Residential	27.85	22.28	125.40	19.81	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	45.14	12.28	80.25	7.53	Alum Treatment	50.00	90.00	36.11	6.10	36.11	0.68	0.00	0.00	8.03	0.75	0.00	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	140	Commercial	16.02	12.81	83.62	12.02	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	30.10	7.45	53.52	4.57	Alum Treatment	50.00	90.00	24.08	3.70	24.08	0.41	0.00	0.00	5.35	0.46	0.00	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.02	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.01	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	500	Water	6.47	5.18	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #1b-Alum	20	30	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.4: Pollutant Load Calculations - Design Scenario 1b

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treat-ment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Additional Treatment -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Alum - N Removal Lake 1 (QM) (lbs/yr)	Alum - P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13Q0875B-500D	13Q0875B	5	5.1	0.4	500	Water	1.26	1.26	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	120	Medium Density Residential	3.97	3.97	22.36	3.53	3.12	2.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	19.24	1.53	Alum Treatment	50.00	90.00	8.66	1.24	8.66	0.14	0.00	0.00	1.92	0.15	0.00	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	185	Recreational 1 (Parks w/little impervious	0.11	0.11	0.48	0.06	0.48	0.06	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	120	Medium Density Residential	6.97	6.97	39.23	6.20	2.84	1.82	N	100	Alt. #1b-Alum	0	0	0.00	0.00	36.39	4.38	Alum Treatment	50.00	90.00	16.38	3.55	16.38	0.39	0.00	0.00	3.64	0.44	0.00	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	140	Commercial	0.43	0.43	2.82	0.41	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	2.82	0.41	Alum Treatment	50.00	90.00	1.27	0.33	1.27	0.04	0.00	0.00	0.28	0.04	0.00	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	185	Recreational 1 (Parks w/little impervious	0.03	0.03	0.11	0.01	0.11	0.01	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.02	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.09	0.02	Alum Treatment	50.00	90.00	0.04	0.01	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	140	Commercial	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	185	Recreational 1 (Parks w/little impervious	0.09	0.09	0.42	0.05	0.00	0.00	N	100	Alt. #1b-Alum	0	0	0.00	0.00	0.42	0.05	Alum Treatment	50.00	90.00	0.19	0.04	0.19	0.00	0.00	0.00	0.04	0.00	0.00	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	120	Medium Density Residential	3.64	2.91	16.39	2.59	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	5.90	1.61	10.49	0.98	Alum Treatment	50.00	90.00	4.72	0.80	4.72	0.09	0.00	0.00	1.05	0.10	0.00	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	155	Industrial	0.01	0.01	0.03	0.01	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.01	0.00	0.02	0.00	Alum Treatment	50.00	90.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	120	Medium Density Residential	3.41	2.73	15.36	2.43	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	5.53	1.50	9.83	0.92	Alum Treatment	50.00	90.00	4.42	0.75	4.42	0.08	0.00	0.00	0.98	0.09	0.00	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	500	Water	3.28	2.63	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	120	Medium Density Residential	0.83	0.66	3.73	0.59	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	1.34	0.37	2.39	0.22	Alum Treatment	50.00	90.00	1.08	0.18	1.08	0.02	0.00	0.00	0.24	0.02	0.00	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	140	Commercial	0.65	0.52	3.41	0.49	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	1.23	0.30	2.18	0.19	Alum Treatment	50.00	90.00	0.98	0.15	0.98	0.02	0.00	0.00	0.22	0.02	0.00	0.00
13Q1100B-155D	13Q1100B	5	2.2	0.8	155	Industrial	0.23	0.18	0.59	0.13	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.21	0.08	0.38	0.05	Alum Treatment	50.00	90.00	0.17	0.04	0.17	0.00	0.00	0.00	0.04	0.00	0.00	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	155	Industrial	0.01	0.00	0.01	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.01	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	155	Industrial	0.18	0.15	0.48	0.10	0.21	0.10	WP	100	Alt. #1b-Alum	36	62	0.09	0.00	0.17	0.00	Alum Treatment	50.00	90.00	0.08	0.00	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	155	Industrial	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	155	Industrial	0.94	0.75	2.46	0.53	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.88	0.33	1.57	0.20	Alum Treatment	50.00	90.00	0.71	0.16	0.71	0.02	0.00	0.00	0.16	0.02	0.00	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	120	Medium Density Residential	4.75	3.80	21.40	3.38	0.83	0.53	WP	100	Alt. #1b-Alum	36	62	7.41	1.77	13.17	1.08	Alum Treatment	50.00	90.00	5.92	0.88	5.92	0.10	0.00	0.00	1.32	0.11	0.00	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	130	High Density Residential	4.66	3.73	23.51	5.27	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	8.46	3.27	15.04	2.00	Alum Treatment	50.00	90.00	6.77	1.62	6.77	0.18	0.00	0.00	1.50	0.20	0.00	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	140	Commercial	0.11	0.08	0.55	0.08	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.20	0.05	0.35	0.03	Alum Treatment	50.00	90.00	0.16	0.02	0.16	0.00	0.00	0.00	0.04	0.00	0.00	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	140	Commercial	30.98	24.78	161.74	23.25	2.97	1.91	WP	100	Alt. #1b-Alum	36	62	57.16	13.23	101.61	8.11	Alum Treatment	50.00	90.00	45.72	6.57	45.72	0.73	0.00	0.00	10.16	0.81	0.00	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	155	Industrial	0.11	0.09	0.29	0.06	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.10	0.04	0.18	0.02	Alum Treatment	50.00	90.00	0.08	0.02	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.01	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #1b-Alum	36	62	0.00	0.00	0.00	0.00	Alum Treatment	50.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.5 Runoff Calculations – Design Scenario 2

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L0800B-120A	13L0800B	4	35.0	9.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	6.62	L	Existing	100	0	0.00	4.55	2.08	0.00	0.00	0.00	2.08
13L0800B-120D	13L0800B	4	35.0	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.86	L	Existing	100	0	0.00	4.36	3.50	0.00	0.00	0.00	3.50
13L0800B-130A	13L0800B	4	35.0	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.39	L	Existing	100	0	0.00	0.10	0.29	0.00	0.00	0.00	0.29
13L0800B-130D	13L0800B	4	35.0	0.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.79	L	Existing	100	0	0.00	0.43	1.36	0.00	0.00	0.00	1.36
13L0800B-140A	13L0800B	4	35.0	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.52	L	Existing	100	0	0.00	0.09	0.43	0.00	0.00	0.00	0.43
13L0800B-140D	13L0800B	4	35.0	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.10	L	Existing	100	0	0.00	0.18	0.92	0.00	0.00	0.00	0.92
13L0800B-186D	13L0800B	4	35.0	7.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	1.17	L	Existing	100	0	0.00	3.31	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.82	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.38	L	Existing	100	0	0.00	0.19	1.18	0.00	0.00	0.00	1.18
13L0800B-600D	13L0800B	4	35.0	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	2.14	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.00	L	Existing	100	0	0.00	0.46	2.54	0.00	0.00	0.00	2.54
13L0801B-120A	13L0801B	4	26.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.00	0.00	0.00	0.04
13L0801B-120D	13L0801B	4	26.1	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.32	DP	Existing	100	80	5.06	0.00	1.26	0.00	0.00	0.00	1.26
13L0801B-130A	13L0801B	4	26.1	9.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	16.92	DP	Existing	100	80	13.54	0.00	3.38	0.00	0.00	0.00	3.38
13L0801B-130D	13L0801B	4	26.1	1.2	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.39	DP	Existing	100	80	1.91	0.00	0.48	0.00	0.00	0.00	0.48
13L0801B-140A	13L0801B	4	26.1	4.7	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	13.48	DP	Existing	100	80	10.78	0.00	2.70	0.00	0.00	0.00	2.70
13L0801B-140D	13L0801B	4	26.1	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.05	DP	Existing	100	80	0.84	0.00	0.21	0.00	0.00	0.00	0.21
13L0801B-186A	13L0801B	4	26.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.44	DP	Existing	100	80	0.35	0.00	0.09	0.00	0.00	0.00	0.09
13L0801B-430A	13L0801B	4	26.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.40	WP	Existing	100	20	0.08	0.00	0.32	0.00	0.00	0.00	0.32
13L0820B-120D	13L0820B	4	24.7	7.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.69	WP	Existing	100	20	1.34	0.00	5.35	0.00	0.00	0.00	5.35
13L0820B-130A	13L0820B	4	24.7	2.4	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	4.31	WP	Existing	100	20	0.86	0.00	3.45	0.00	0.00	0.00	3.45
13L0820B-130D	13L0820B	4	24.7	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.20	WP	Existing	100	20	1.84	0.00	7.36	0.00	0.00	0.00	7.36
13L0820B-140D	13L0820B	4	24.7	4.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	13.56	WP	Existing	100	20	2.71	0.00	10.85	0.00	0.00	0.00	10.85
13L0820B-186D	13L0820B	4	24.7	3.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.61	WP	Existing	100	20	0.12	0.00	0.49	0.00	0.00	0.00	0.49
13L0820B-500D	13L0820B	4	24.7	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.42	WP	Existing	100	20	0.68	0.00	2.74	0.00	0.00	0.00	2.74
13L1000B-120A	13L1000B	3	59.8	4.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.79	L	Existing	100	0	0.00	0.86	1.93	0.00	0.00	1.93	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.93	L	Existing	100	0	0.00	5.70	17.23	0.00	0.00	17.23	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.19	L	Existing	100	0	0.00	1.19	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.09	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.24	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.58	L	Existing	100	0	0.00	0.24	3.33	0.00	0.00	3.33	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.36	GCP-3	Existing	100	20	0.07	0.00	0.29	0.00	0.29	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.73	GCP-3	Existing	100	20	0.95	0.00	3.78	0.00	3.78	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-3	Existing	100	20	0.01	0.00	0.05	0.00	0.05	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.96	WP	Existing	100	20	0.39	0.00	1.57	0.00	1.57	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.84	WP	Existing	100	20	0.77	0.00	3.07	0.00	3.07	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.70	WP	Existing	100	20	0.54	0.00	2.16	0.00	2.16	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.06	W	Existing	100	0	0.00	0.16	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	19.73	W	Existing	100	0	0.00	7.75	11.98	0.00	0.00	11.98	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.01	W	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.02	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.11	L	Existing	100	0	0.00	0.01	0.11	0.00	0.11	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.79	L	Existing	100	0	0.00	1.47	23.32	0.00	23.32	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.25	L	Existing	100	0	0.00	0.36	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L1200B-430D	13L1200B	2	44.6	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.29	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.01	L	Existing	100	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.25	Pond 2-1	Alt. #2	100	20	0.85	0.00	3.40	0.00	3.40	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.77	Pond 2-1	Alt. #2	100	20	0.15	0.00	0.62	0.00	0.62	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	Pond 2-1	Alt. #2	100	20	0.02	0.00	0.07	0.00	0.07	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.57	GCP-11	Existing	100	20	0.31	0.00	1.25	0.00	1.25	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	GCP-11	Existing	100	20	0.78	0.00	3.13	0.00	3.13	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	GCP-11	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	GCP-11	Existing	100	20	0.01	0.00	0.03	0.00	0.03	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.18	N	Existing	100	0	0.00	0.00	1.18	0.00	1.18	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.47	L	Existing	100	0	0.00	0.00	1.47	1.47	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.88	L	Existing	100	0	0.00	0.00	22.88	22.88	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	L	Existing	100	0	0.00	0.00	0.05	0.05	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.21	L	Existing	100	0	0.00	0.00	0.21	0.21	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.54	GCP-7A	Existing	100	20	0.11	0.00	0.43	0.43	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	GCP-7A	Existing	100	20	0.02	0.00	0.07	0.07	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.09	GCP-7A	Existing	100	20	0.22	0.00	0.88	0.88	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7A	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.03	DP	Existing	100	80	1.62	0.00	0.41	0.41	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	15.98	DP	Existing	100	80	12.78	0.00	3.20	3.20	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.11	W	Existing	100	0	0.00	19.46	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.03	W	Existing	100	0	0.00	12.79	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	W	Existing	100	0	0.00	2.08	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	67.30	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	42.15	N	Existing	100	0	0.00	0.00	42.15	42.15	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.96	N	Existing	100	0	0.00	0.00	5.96	5.96	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.17	N	Existing	100	0	0.00	0.00	29.17	29.17	0.00	0.00	0.00
13L1876B-155D	13L1876B	1	66.8	1.1	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.33	N	Existing	100	0	0.00	0.00	0.33	0.33	0.00	0.00	0.00
13L1876B-186D	13L1876B	1	66.8	3.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.59	N	Existing	100	0	0.00	0.00	0.59	0.59	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.33	Pond 7AB-2	Alt. #2	100	20	5.47	0.00	21.86	21.86	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	15.37	Pond 7AB-2	Alt. #2	100	20	3.07	0.00	12.29	12.29	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.05	Pond 7AB-2	Alt. #2	100	20	3.21	0.00	12.84	12.84	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.53	Pond 7AB-2	Alt. #2	100	20	1.11	0.00	4.42	4.42	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.06	Pond 7AB-2	Alt. #2	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-2	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.49	W	Existing	100	0	0.00	4.73	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	3.48	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.96	W	Alt. #2	100	0	0.00	24.44	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.15	W	Alt. #2	100	0	0.00	11.36	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	104.36	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.99	GCP-8	Alt. #2	100	20	0.40	0.00	1.59	1.59	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-8	Alt. #2	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-8	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	41.78	N	Alt. #2	100	0	0.00	0.00	41.78	41.78	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.50	N	Alt. #2	100	0	0.00	0.00	29.50	29.50	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.16	N	Alt. #2	100	0	0.00	0.00	0.16	0.16	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.15	W	Alt. #2	100	0	0.00	6.51	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.20	W	Alt. #2	100	0	0.00	10.27	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	11.30	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L2050B-120D	13L2050B	1	15.9	3.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.97	W	Alt. #2	100	0	0.00	7.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	W	Alt. #2	100	0	0.00	5.16	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	19.87	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.90	N	Alt. #2	100	0	0.00	0.00	8.90	8.90	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.93	N	Alt. #2	100	0	0.00	0.00	7.93	7.93	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.52	N	Alt. #2	100	0	0.00	0.00	24.52	24.52	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.84	N	Alt. #2	100	0	0.00	0.00	1.84	1.84	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.86	N	Alt. #2	100	0	0.00	0.00	3.86	3.86	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.70	N	Alt. #2	100	0	0.00	0.00	16.70	16.70	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.12	WP	Alt. #2	100	20	0.42	0.00	1.70	1.70	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.10	WP	Alt. #2	100	20	0.42	0.00	1.68	1.68	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.66	N	Alt. #2	100	0	0.00	0.00	3.66	3.66	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.59	W	Alt. #2	100	0	0.00	4.57	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.72	W	Alt. #2	100	0	0.00	4.39	1.33	1.33	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.16	W	Alt. #2	100	0	0.00	0.61	0.55	0.55	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	7.06	W	Alt. #2	100	0	0.00	3.65	3.41	3.41	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Alt. #2	100	0	0.00	0.14	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.01	W	Alt. #2	100	0	0.00	0.75	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.25	W	Alt. #2	100	0	0.00	2.21	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.38	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	11.66	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.76	WP	Alt. #2	100	20	0.15	0.00	0.60	0.60	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.99	WP	Alt. #2	100	20	0.20	0.00	0.79	0.79	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	26.35	WP	Alt. #2	100	20	5.27	0.00	21.08	21.08	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.83	WP	Alt. #2	100	20	0.17	0.00	0.66	0.66	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.02	WP	Alt. #2	100	20	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.01	DP	Alt. #2	100	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.08	DP	Alt. #2	100	80	0.06	0.00	0.02	0.02	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.12	DP	Alt. #2	100	80	0.89	0.00	0.22	0.22	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.94	DP	Alt. #2	100	80	8.75	0.00	2.19	2.19	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Alt. #2	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.18	DP	Alt. #2	100	80	0.14	0.00	0.04	0.04	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	38.86	DP	Alt. #2	100	80	31.09	0.00	7.77	7.77	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.13	DP	Alt. #2	100	80	1.71	0.00	0.43	0.43	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Alt. #2	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	DP	Alt. #2	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.35	C	Alt. #2	100	0	0.00	0.00	0.35	0.35	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.13	C	Alt. #2	100	0	0.00	0.00	6.13	6.13	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.01	C	Alt. #2	100	0	0.00	0.00	1.01	1.01	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	C	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.07	C	Alt. #2	100	0	0.00	0.00	2.07	2.07	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.28	WP	Alt. #2	100	20	0.86	0.00	3.43	3.43	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.02	WP	Alt. #2	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	WP	Alt. #2	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.50	WP	Alt. #2	100	20	0.10	0.00	0.40	0.40	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	60.81	WP	Alt. #2	100	20	12.16	0.00	48.65	48.65	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.04	WP	Alt. #2	100	20	0.01	0.00	0.03	0.03	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.05	WP	Alt. #2	100	20	1.81	0.00	7.24	7.24	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L3000B-120D	13L3000B	1	1.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	C	Alt. #2	100	0	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.69	C	Alt. #2	100	0	0.00	0.00	2.69	2.69	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.10	C	Alt. #2	100	0	0.00	0.00	0.10	0.10	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.78	C	Alt. #2	100	0	0.00	0.00	0.78	0.78	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	W	Alt. #2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.72	W	Alt. #2	100	0	0.00	0.46	0.26	0.26	0.00	0.00	0.00
13L3140B-130A	13L3140B	1	38.1	0.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.54	W	Alt. #2	100	0	0.00	0.16	0.37	0.37	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	14.22	W	Alt. #2	100	0	0.00	2.72	11.50	11.50	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.14	W	Alt. #2	100	0	0.00	10.19	43.95	43.95	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Alt. #2	100	0	0.00	0.13	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.97	W	Alt. #2	100	0	0.00	3.18	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.09	0.00	0.00	0.00	0.00	0.00
13L3140B-600D	13L3140B	1	38.1	5.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	2.84	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.93	WP	Existing	100	20	0.59	0.00	2.34	0.00	0.00	2.34	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.33	WP	Existing	100	20	1.27	0.00	5.06	0.00	0.00	5.06	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.87	WP	Existing	100	20	0.37	0.00	1.50	0.00	0.00	1.50	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.01	WP	Existing	100	20	0.60	0.00	2.40	0.00	0.00	2.40	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.55	WP	Existing	100	20	0.51	0.00	2.04	0.00	0.00	2.04	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.68	WP	Existing	100	20	1.74	0.00	6.94	0.00	0.00	6.94	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	WP	Existing	100	20	0.25	0.00	1.01	0.00	0.00	1.01	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.72	WP	Existing	100	20	0.94	0.00	3.78	0.00	0.00	3.78	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.80	W	Existing	100	0	0.00	2.59	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.29	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.43	L	Existing	100	0	0.00	3.92	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.70	L	Existing	100	0	0.00	25.81	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.95	L	Existing	100	0	0.00	0.53	0.42	0.00	0.00	0.42	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	33.18	L	Existing	100	0	0.00	18.55	14.63	0.00	0.00	14.63	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.98	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.23	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	0.27	L	Existing	100	0	0.00	0.17	0.11	0.00	0.00	0.11	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.30	N	Existing	100	0	0.00	0.00	5.30	0.00	0.00	5.30	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.23	N	Existing	100	0	0.00	0.00	0.23	0.00	0.00	0.23	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.04	GCP-4	Existing	100	20	0.21	0.00	0.83	0.00	0.00	0.83	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.85	GCP-4	Existing	100	20	1.57	0.00	6.28	0.00	0.00	6.28	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-4	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	GCP-4	Existing	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.00	0.00	0.02	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.18	WP	Existing	100	20	2.64	0.00	10.54	0.00	0.00	10.54	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.27	WP	Existing	100	20	0.05	0.00	0.22	0.00	0.00	0.22	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.05	Pond 5-1	Alt. #2	74.4	20	0.30	0.00	1.74	0.00	0.00	1.74	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.77	Pond 5-1	Alt. #2	74.4	20	3.24	0.00	18.53	0.00	0.00	18.53	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #2	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #2	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #2	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0650B-120D	13N0650B	3	42.4	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.75	LL	Existing	100	100	21.75	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	16.08	LL	Existing	100	100	16.08	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.02	W	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.44	W	Existing	100	0	0.00	1.95	0.00	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	W	Existing	100	0	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.51	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	13.97	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	19.85	L	Existing	100	90	17.86	27.27	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.05	L	Existing	100	90	9.94	12.26	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.28	L	Existing	100	90	0.26	0.21	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	15.39	L	Existing	100	90	13.85	5.08	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.58	L	Existing	100	90	0.52	0.19	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.02	L	Existing	100	90	0.02	1.74	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.02	L	Existing	100	90	0.02	0.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	4.18	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	0.30	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.82	L	Existing	100	90	0.74	0.23	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.88	L	Existing	100	90	0.79	0.25	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	52.05	L	Existing	100	90	46.85	14.63	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	2.51	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.96	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	5.14	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.58	N	Existing	100	90	1.43	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.45	N	Existing	100	90	12.10	0.00	1.34	0.00	0.00	0.13	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	N	Existing	100	90	0.14	0.00	0.02	0.00	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	DP	Existing	100	90	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.20	DP	Existing	100	90	3.78	0.00	0.42	0.00	0.00	0.04	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.62	N	Existing	100	90	1.46	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.08	N	Existing	100	90	0.07	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.56	DP	Existing	100	90	0.50	0.00	0.06	0.00	0.00	0.01	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.68	DP	Existing	100	90	7.81	0.00	0.87	0.00	0.00	0.09	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.07	DP	Existing	100	90	0.06	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.73	N	Existing	100	90	7.85	0.00	0.87	0.00	0.00	0.09	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.78	N	Existing	100	90	6.10	0.00	0.68	0.00	0.00	0.07	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.15	N	Existing	100	90	14.53	0.00	1.61	0.00	0.00	0.16	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	10.62	N	Existing	100	90	9.56	0.00	1.06	0.00	0.00	0.11	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.40	WP	Existing	100	90	2.16	0.00	0.24	0.00	0.00	0.02	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	38.98	WP	Existing	100	90	35.08	0.00	3.90	0.00	0.00	0.39	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.13	WP	Existing	100	90	5.52	0.00	0.61	0.00	0.00	0.06	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	WP	Existing	100	90	0.03	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0800B-120A	13N0800B	3	4.9	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.47	WP	Existing	100	20	0.69	0.00	2.77	0.00	0.00	2.77	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.14	WP	Existing	100	20	0.43	0.00	1.71	0.00	0.00	1.71	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.42	WP	Existing	100	20	0.28	0.00	1.14	0.00	0.00	1.14	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.16	WP	Existing	100	20	0.83	0.00	3.33	0.00	0.00	3.33	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-120A	13N0900B	3	7.4	0.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.62	WP	Existing	100	20	0.12	0.00	0.50	0.00	0.00	0.50	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.76	WP	Existing	100	20	0.95	0.00	3.81	0.00	0.00	3.81	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.08	WP	Existing	100	20	0.62	0.00	2.46	0.00	0.00	2.46	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.80	Pond 2-1	Alt. #2	100	20	0.16	0.00	0.64	0.00	0.00	0.64	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.97	Pond 2-1	Alt. #2	100	20	1.59	0.00	6.37	0.00	0.00	6.37	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.04	Pond 2-1	Alt. #2	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.58	Pond 2-1	Alt. #2	100	20	0.12	0.00	0.47	0.00	0.00	0.47	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	Pond 2-1	Alt. #2	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.29	Pond 2-1	Alt. #2	100	20	0.26	0.81	0.22	0.00	0.00	0.22	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.97	Pond 2-1	Alt. #2	100	20	0.99	2.53	1.44	0.00	0.00	1.44	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.31	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #2	100	20	0.01	0.86	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.83	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.41	Pond 2-1	Alt. #2	100	20	0.28	0.00	1.13	0.00	0.00	1.13	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.33	Pond 2-1	Alt. #2	100	20	0.07	0.00	0.26	0.00	0.00	0.26	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.23	Pond 2-1	Alt. #2	100	20	0.25	0.00	0.98	0.00	0.00	0.98	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	Pond 2-1	Alt. #2	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.28	Pond 2-1	Alt. #2	100	20	0.46	0.00	1.83	0.00	0.00	1.83	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #2	100	20	0.01	0.00	0.05	0.00	0.00	0.05	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.64	Pond 2-1	Alt. #2	100	20	0.13	0.00	0.51	0.00	0.00	0.51	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.90	Pond 2-1	Alt. #2	100	20	0.18	0.00	0.72	0.00	0.00	0.72	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	Pond 2-1	Alt. #2	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	5.02	Pond 2-1	Alt. #2	100	20	1.00	0.00	4.02	0.00	0.00	4.02	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	0.15	Pond 2-1	Alt. #2	100	20	0.03	0.00	0.12	0.00	0.00	0.12	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	Pond 2-1	Alt. #2	100	20	0.03	0.00	0.10	0.00	0.00	0.10	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.90	Pond 2-1	Alt. #2	100	20	1.38	0.00	5.52	0.00	0.00	5.52	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	3.70	Pond 2-1	Alt. #2	100	20	0.74	0.00	2.96	0.00	0.00	2.96	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-1	Alt. #2	100	20	0.01	0.00	0.06	0.00	0.00	0.06	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.38	Pond 2-1	Alt. #2	100	20	0.08	0.00	0.30	0.00	0.00	0.30	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	Pond 2-1	Alt. #2	100	20	0.03	0.00	0.10	0.00	0.00	0.10	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.14	Pond 2-1	Alt. #2	100	20	0.23	0.00	0.91	0.00	0.00	0.91	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	Pond 2-1	Alt. #2	100	20	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	C	Existing	100	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.23	C	Existing	100	0	0.00	0.00	1.23	0.00	0.00	1.23	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	C	Existing	100	0	0.00	0.00	0.05	0.00	0.00	0.05	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P1800B-130D	13P1800B	1	6.6	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.22	WP	Alt. #2	100	20	0.24	0.08	0.90	0.90	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	0.63	1.02	1.13	1.37	6.79	5.40	3.62	2.41	1.48	3.73	27.60	0.58	0.14	WP	Alt. #2	100	20	0.03	0.01	0.10	0.10	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.47	WP	Alt. #2	100	20	0.09	0.02	0.36	0.36	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.12	WP	Alt. #2	100	20	0.02	0.45	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	0.04	0.06	0.06	0.08	0.42	0.36	0.24	0.16	0.10	0.26	1.79	0.04	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.18	WP	Alt. #2	100	20	0.04	0.01	0.13	0.13	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.79	WP	Alt. #2	100	20	1.36	0.26	5.17	5.17	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.03	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.18	N	Alt. #2	100	0	0.00	0.00	0.18	0.18	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.01	N	Alt. #2	100	0	0.00	0.00	6.01	6.01	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.24	N	Alt. #2	100	0	0.00	0.00	0.24	0.24	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	15.78	WP	Alt. #2	100	20	3.16	0.00	12.63	11.36	0.00	1.26	0.00
13P1810B-182rD	13P1810B	5	10.0	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.78	WP	Alt. #2	100	20	0.16	0.00	0.63	0.56	0.00	0.06	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.09	N	Alt. #2	100	0	0.00	0.02	0.07	0.07	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	12.68	N	Alt. #2	100	0	0.00	1.86	10.81	10.81	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Alt. #2	100	0	0.00	0.04	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	N	Alt. #2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.25	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	W	Alt. #2	100	0	0.00	0.88	3.03	2.72	0.00	0.30	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	25.28	W	Alt. #2	100	0	0.00	1.67	23.61	21.25	0.00	2.36	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	1.59	W	Alt. #2	100	0	0.00	0.33	1.26	1.13	0.00	0.13	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.29	W	Alt. #2	100	0	0.00	0.34	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.18	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	34.13	L	Alt. #2	100	0	0.00	25.62	8.50	7.65	0.00	0.85	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	0.85	1.40	1.52	1.83	9.01	7.08	4.72	3.14	1.92	4.83	36.30	0.76	0.01	L	Alt. #2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	L	Alt. #2	100	0	0.00	0.11	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.70	L	Alt. #2	100	0	0.00	0.45	0.24	0.22	0.00	0.02	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	17.19	L	Alt. #2	100	0	0.00	11.16	6.03	5.42	0.00	0.60	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	18.09	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	1.47	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.74	N	Alt. #2	100	0	0.00	0.00	2.74	2.47	0.00	0.27	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.33	N	Alt. #2	100	0	0.00	0.00	0.33	0.30	0.00	0.03	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	5.22	N	Alt. #2	100	0	0.00	0.00	5.22	4.69	0.00	0.52	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	26.24	N	Alt. #2	100	0	0.00	0.00	26.24	23.62	0.00	2.62	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.12	N	Alt. #2	100	0	0.00	0.00	0.12	0.11	0.00	0.01	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.15	N	Alt. #2	100	0	0.00	0.00	0.15	0.13	0.00	0.01	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.22	N	Alt. #2	100	0	0.00	0.00	0.22	0.20	0.00	0.02	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.27	N	Alt. #2	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.27	N	Alt. #2	100	0	0.00	0.00	0.27	0.24	0.00	0.03	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.20	N	Alt. #2	100	0	0.00	0.00	17.20	15.48	0.00	1.72	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.06	N	Alt. #2	100	0	0.00	0.00	0.06	0.06	0.00	0.01	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	12.91	L	Alt. #2	100	0	0.00	19.27	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.19	L	Alt. #2	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.55	L	Alt. #2	100	0	0.00	23.85	30.70	27.63	0.00	3.07	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.03	L	Alt. #2	100	0	0.00	0.26	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.26	L	Alt. #2	100	0	0.00	0.85	1.40	1.26	0.00	0.14	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	40.92	L	Alt. #2	100	0	0.00	15.47	25.45	22.90	0.00	2.54	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	3.21	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2250B-600W	13P2250B	5	49.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	0.68	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.03	WP	Alt. #2	100	20	3.41	0.00	13.62	12.26	0.00	1.36	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.53	WP	Alt. #2	100	20	0.11	0.00	0.43	0.38	0.00	0.04	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.60	WP	Alt. #2	100	20	2.12	0.00	8.48	7.63	0.00	0.85	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.46	WP	Alt. #2	100	20	0.09	0.00	0.37	0.33	0.00	0.04	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.89	N	Alt. #2	100	0	0.00	0.00	10.89	9.80	0.00	1.09	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.11	N	Alt. #2	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.24	L	Alt. #2	100	0	0.00	3.13	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.38	L	Alt. #2	100	0	0.00	0.85	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	126.56	L	Alt. #2	100	0	0.00	226.67	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	1.03	L	Alt. #2	100	0	0.00	1.24	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.00	L	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	2.39	L	Alt. #2	100	0	0.00	1.27	1.12	1.01	0.00	0.11	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	123.58	L	Alt. #2	100	0	0.00	64.82	58.76	52.88	0.00	5.88	0.00
13P2600B-155D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.59	L	Alt. #2	100	0	0.00	3.11	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	L	Alt. #2	100	0	0.00	7.33	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	5.54	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.14	L	Alt. #2	100	0	0.00	4.15	4.99	4.49	0.00	0.50	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	419.99	L	Alt. #2	100	0	0.00	190.54	229.45	206.50	0.00	22.94	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	16.37	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	4.30	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.86	N	Alt. #2	100	0	0.00	0.00	0.86	0.77	0.00	0.09	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	14.52	N	Alt. #2	100	0	0.00	0.00	14.52	13.07	0.00	1.45	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.43	N	Alt. #2	100	0	0.00	0.00	0.43	0.38	0.00	0.04	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.70	N	Alt. #2	100	0	0.00	0.00	8.70	7.83	0.00	0.87	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.20	N	Alt. #2	100	0	0.00	0.00	0.20	0.18	0.00	0.02	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	20.02	N	Alt. #2	100	0	0.00	0.00	20.02	18.02	0.00	2.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.28	N	Alt. #2	100	0	0.00	0.00	0.28	0.26	0.00	0.03	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	4.62	DP	Alt. #2	100	80	3.70	0.00	0.92	0.83	0.00	0.09	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.84	W	Alt. #2	100	0	0.00	2.41	2.43	2.19	0.00	0.24	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.61	W	Alt. #2	100	0	0.00	0.65	0.96	0.87	0.00	0.10	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	W	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.14	W	Alt. #2	100	0	0.00	0.02	0.12	0.11	0.00	0.01	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	37.85	W	Alt. #2	100	0	0.00	4.46	33.40	30.06	0.00	3.34	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.44	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.06	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.58	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.43	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.94	W	Alt. #2	100	0	0.00	11.32	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.75	W	Alt. #2	100	0	0.00	2.69	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	9.64	W	Alt. #2	100	0	0.00	4.34	5.30	4.77	0.00	0.53	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Alt. #2	100	0	0.00	0.07	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	3.36	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	2.41	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	10.01	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	11.54	W	Alt. #2	100	0	0.00	6.62	4.93	4.43	0.00	0.49	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.65	W	Alt. #2	100	0	0.00	0.76	0.88	0.80	0.00	0.09	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.44	W	Alt. #2	100	0	0.00	0.06	0.38	0.34	0.00	0.04	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.05	W	Alt. #2	100	0	0.00	1.75	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	1.06	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	0.37	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2661B-600D	13P2661B	5	29.9	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	59.34	L	Alt. #2	100	0	0.00	9.66	49.68	44.71	0.00	4.97	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.38	L	Alt. #2	100	0	0.00	0.03	0.35	0.32	0.00	0.04	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	68.26	L	Alt. #2	100	0	0.00	4.83	63.43	57.08	0.00	6.34	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.63	L	Alt. #2	100	0	0.00	2.61	52.03	46.82	0.00	5.20	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	4.08	L	Alt. #2	100	0	0.00	0.62	3.46	3.12	0.00	0.35	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.03	L	Alt. #2	100	0	0.00	0.35	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	2.73	L	Alt. #2	100	0	0.00	2.26	0.47	0.42	0.00	0.05	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	15.49	L	Alt. #2	100	0	0.00	0.64	14.85	13.37	0.00	1.49	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	0.15	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.37	L	Alt. #2	100	0	0.00	0.00	16.37	14.73	0.00	1.64	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.26	L	Alt. #2	100	0	0.00	0.00	9.26	8.33	0.00	0.93	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.67	L	Alt. #2	100	0	0.00	0.00	0.67	0.60	0.00	0.07	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	40.72	WP	Alt. #2	100	20	8.14	0.00	32.57	29.32	0.00	3.26	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.20	WP	Alt. #2	100	20	0.84	0.00	3.36	3.02	0.00	0.34	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.33	N	Alt. #2	100	0	0.00	0.00	2.33	2.10	0.00	0.23	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.19	N	Alt. #2	100	0	0.00	0.00	2.19	1.97	0.00	0.22	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	WP	Alt. #2	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.85	WP	Alt. #2	100	20	5.57	0.00	22.28	20.05	0.00	2.23	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	16.02	WP	Alt. #2	100	20	3.20	0.00	12.81	11.53	0.00	1.28	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.47	WP	Alt. #2	100	20	1.29	0.00	5.18	4.66	0.00	0.52	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	W	Alt. #2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.10	W	Alt. #2	100	0	0.00	0.95	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Alt. #2	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Alt. #2	100	0	0.00	7.38	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	N	Alt. #2	100	0	0.00	0.00	0.03	0.03	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.27	N	Alt. #2	100	0	0.00	0.00	1.27	1.14	0.00	0.13	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.02	N	Alt. #2	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.14	N	Alt. #2	100	0	0.00	0.00	0.14	0.13	0.00	0.01	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	N	Alt. #2	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.44	N	Alt. #2	100	0	0.00	0.00	2.44	2.19	0.00	0.24	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	WP	Alt. #2	100	20	0.04	0.00	0.14	0.13	0.00	0.01	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.01	WP	Alt. #2	100	20	0.20	0.00	0.81	0.73	0.00	0.08	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.03	WP	Alt. #2	100	20	0.01	0.00	0.02	0.02	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.42	WP	Alt. #2	100	20	0.08	0.00	0.33	0.30	0.00	0.03	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.05	WP	Alt. #2	100	20	0.01	0.00	0.04	0.04	0.00	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	1.86	WP	Alt. #2	100	20	0.37	0.00	1.49	1.34	0.00	0.15	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	5.91	WP	Alt. #2	100	20	1.18	0.00	4.73	4.25	0.00	0.47	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.89	N	Alt. #2	100	0	0.00	0.00	3.89	3.50	0.00	0.39	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	N	Alt. #2	100	0	0.00	0.00	1.26	1.13	0.00	0.13	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.5: Runoff Calculations - Design Scenario 2

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
447	1340	1718	1351	44	261	51
			% from Grassy 90		% from Grassy 10	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13Q0880B-120D	13Q0880B	5	7.8	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.97	N	Alt. #2	100	0	0.00	0.00	3.97	3.58	0.00	0.40	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	N	Alt. #2	100	0	0.00	0.00	0.11	0.10	0.00	0.01	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.97	N	Alt. #2	100	0	0.00	0.00	6.97	6.27	0.00	0.70	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.43	N	Alt. #2	100	0	0.00	0.00	0.43	0.39	0.00	0.04	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	N	Alt. #2	100	0	0.00	0.00	0.03	0.02	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	N	Alt. #2	100	0	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.00	N	Alt. #2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	N	Alt. #2	100	0	0.00	0.00	0.09	0.09	0.00	0.01	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.64	WP	Alt. #2	100	20	0.73	0.00	2.91	2.62	0.00	0.29	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.01	WP	Alt. #2	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.41	WP	Alt. #2	100	20	0.68	0.00	2.73	2.46	0.00	0.27	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.28	WP	Alt. #2	100	20	0.66	0.00	2.63	2.36	0.00	0.26	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.83	WP	Alt. #2	100	20	0.17	0.00	0.66	0.60	0.00	0.07	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.65	WP	Alt. #2	100	20	0.13	0.00	0.52	0.47	0.00	0.05	0.00
13Q1100B-155D	13Q1100B	5	2.2	0.8	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.23	WP	Alt. #2	100	20	0.05	0.00	0.18	0.16	0.00	0.02	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.01	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.18	WP	Alt. #2	100	20	0.04	0.00	0.15	0.13	0.00	0.01	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.94	WP	Alt. #2	100	20	0.19	0.00	0.75	0.68	0.00	0.08	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.75	WP	Alt. #2	100	20	0.95	0.00	3.80	3.42	0.00	0.38	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	4.66	WP	Alt. #2	100	20	0.93	0.00	3.73	3.35	0.00	0.37	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.11	WP	Alt. #2	100	20	0.02	0.00	0.08	0.08	0.00	0.01	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	30.98	WP	Alt. #2	100	20	6.20	0.00	24.78	22.30	0.00	2.48	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.11	WP	Alt. #2	100	20	0.02	0.00	0.09	0.08	0.00	0.01	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Alt. #2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.6 Pollutant Load Calculations – Design Scenario 2

Appendix C.6: Pollutant Load Calculations - Design Scenario 2

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/year)	Total P Removed (lbs/year)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)	Pond 8-2 Additional Treatment -	Pond 8-2 Trtmt Train N-Eff. Reduction Factor -	Pond 8-2 Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)
							2830	1718	8287	1305	421.9	231.9						1980.9	469.6	5884.1	603.1	4860.2	521.3	141.0	10.4	730.1	57.5	149.3	13.7						970.1	177.4	3890.1	343.9
13L0800B-120A	13L0800B	4	35.0	9.6	120	Medium Density Residential	6.62	2.08	11.68	1.85	5.47	1.85	L	100	Existing	36	62	2.23	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-120D	13L0800B	4	35.0	9.2	120	Medium Density Residential	7.86	3.50	19.70	3.11	5.22	3.11	L	100	Existing	36	62	5.21	0.00	9.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-130A	13L0800B	4	35.0	0.2	130	High Density Residential	0.39	0.29	1.83	0.41	0.09	0.06	L	100	Existing	36	62	0.63	0.22	1.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.13	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-130D	13L0800B	4	35.0	0.9	130	High Density Residential	1.79	1.36	8.56	1.92	0.00	0.00	L	100	Existing	36	62	3.08	1.19	5.48	0.73	0.00	0.00	0.00	0.00	0.00	0.00	5.48	0.73	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-140A	13L0800B	4	35.0	0.2	140	Commercial	0.52	0.43	2.84	0.41	0.00	0.00	L	100	Existing	36	62	1.02	0.25	1.82	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.16	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-140D	13L0800B	4	35.0	0.4	140	Commercial	1.10	0.92	6.01	0.86	0.00	0.00	L	100	Existing	36	62	2.16	0.54	3.84	0.33	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.33	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-186D	13L0800B	4	35.0	7.0	186	Recreational 2 (Parks w/facilities)	1.17	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	500	Water	1.38	1.18	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-600D	13L0800B	4	35.0	4.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	8100	Transportation	3.00	2.54	9.45	1.15	0.69	0.45	L	100	Existing	36	62	3.15	0.44	5.61	0.27	0.00	0.00	0.00	0.00	0.00	0.00	5.61	0.27	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0801B-120A	13L0801B	4	26.1	0.3	120	Medium Density Residential	0.18	0.04	0.20	0.03	0.00	0.00	DP	100	Existing	80	80	0.16	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-120D	13L0801B	4	26.1	7.4	120	Medium Density Residential	6.32	1.26	7.11	1.12	1.06	0.68	DP	100	Existing	80	80	4.84	0.36	1.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.09	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-130A	13L0801B	4	26.1	9.3	130	High Density Residential	16.92	3.38	21.35	4.79	7.09	4.55	DP	100	Existing	80	80	11.41	0.19	2.85	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.05	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-130D	13L0801B	4	26.1	1.2	130	High Density Residential	2.39	0.48	3.02	0.68	0.72	0.46	DP	100	Existing	80	80	1.84	0.17	0.46	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.04	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-140A	13L0801B	4	26.1	4.7	140	Commercial	13.48	2.70	17.59	2.53	0.00	0.00	DP	100	Existing	80	80	14.08	2.02	3.52	0.51	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.51	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-140D	13L0801B	4	26.1	0.4	140	Commercial	1.05	0.21	1.37	0.20	0.06	0.04	DP	100	Existing	80	80	1.04	0.12	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.03	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-186A	13L0801B	4	26.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	186	Recreational 2 (Parks w/facilities)	0.44	0.09	0.38	0.05	0.38	0.05	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-430A	13L0801B	4	26.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	120	Medium Density Residential	0.40	0.32	1.78	0.28	0.10	0.06	WP	100	Existing	36	62	0.61	0.14	1.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.08	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-120D	13L0820B	4	24.7	7.8	120	Medium Density Residential	6.69	5.35	30.13	4.76	0.87	0.56	WP	100	Existing	36	62	10.53	2.60	18.73	1.60	0.00	0.00	0.00	0.00	0.00	0.00	18.73	1.60	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-130A	13L0820B	4	24.7	2.4	130	High Density Residential	4.31	3.45	21.74	4.87	0.00	0.00	WP	100	Existing	36	62	7.83	3.02	13.91	1.85	0.00	0.00	0.00	0.00	0.00	0.00	13.91	1.85	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-130D	13L0820B	4	24.7	4.7	130	High Density Residential	9.20	7.36	46.45	10.41	0.00	0.00	WP	100	Existing	36	62	16.72	6.45	29.73	3.96	0.00	0.00	0.00	0.00	0.00	0.00	29.73	3.96	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-140D	13L0820B	4	24.7	4.6	140	Commercial	13.56	10.85	70.81	10.18	0.00	0.00	WP	100	Existing	36	62	25.49	6.31	45.32	3.87	0.00	0.00	0.00	0.00	0.00	0.00	45.32	3.87	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-186D	13L0820B	4	24.7	3.6	186	Recreational 2 (Parks w/facilities)	0.61	0.49	2.14	0.25	0.50	0.25	WP	100	Existing	36	62	0.59	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-500D	13L0820B	4	24.7	1.0	500	Water	3.42	2.74	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-120A	13L1000B	3	59.8	4.0	120	Medium Density Residential	2.79	1.93	10.89	1.72	1.09	0.70	L	100	Existing	36	62	3.53	0.63	6.27	0.39	0.00	0.00	0.00	0.00	6.27	0.39	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	120	Medium Density Residential	22.93	17.23	97.00	15.32	8.17	5.24	L	100	Existing	36	62	31.98	6.25	56.86	3.83	0.00	0.00	0.00	0.00	56.86	3.83	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	182r	Golf Course (w/Reclaimed Irrigation)	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	186	Recreational 2 (Parks w/facilities)	0.09	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	8100	Transportation	3.58	3.33	12.41	1.51	2.93	1.51	L	100	Existing	36	62	3.41	0.00	6.07	0.00	0.00	0.00	0.00	0.00	6.07	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	120	Medium Density Residential	0.36	0.29	1.61	0.25	0.38	0.25	GCP-3	100	Existing	41	72	0.51	0.01	0.72	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	120	Medium Density Residential	4.73	3.78	21.29	3.36	2.91	1.86	GCP-3	100	Existing	41	72	7.60	1.08	10.78	0.42	0.00	0.00	10.78	0.42	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-3	100	Existing	41	72	0.15	0.04	0.21	0.02	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	120	Medium Density Residential	1.96	1.57	8.83	1.40	0.63	0.41	WP	100	Existing	36	62	2.95	0.61	5.25	0.38	0.00	0.00	5.25	0.38	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	120	Medium Density Residential	3.84	3.07	17.31	2.73	2.05	1.32	WP	100	Existing	36	62	5.49	0.88	9.76	0.54	0.00	0.00	9.76	0.54	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	500	Water	2.70	2.16	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	110	Low Density Residential	0.06	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	120	Medium Density Residential	19.73	11.98	67.46	10.66	12.07	7.74	W	100	Existing	20	30	11.08	0.87	44.31	2.04	0.00	0.00	0.00	0.00	44.31	2.04	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	130	High Density Residential	0.01	0.01	0.04	0.01	0.00	0.00	W	100	Existing	20	30	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	120	Medium Density Residential	0.11	0.11	0.59	0.09	0.00	0.00	L	100	Existing	36	62	0.21	0.06	0.38	0.04	0.00	0.00	0.38	0.04	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	120	Medium Density Residential	24.79	23.32	131.27	20.74	3.55	2.28	L	100	Existing	36	62	45.98	11.44	81.74	7.01	0.00	0.00	81.74	7.01	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	182r	Golf Course (w/Reclaimed Irrigation)	0.25	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	500	Water	0.01	0.01	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	120	Medium Density Residential	4.25	3.40	19.15	3.03	2.97	1.91	Pond 2-1	100	Alt. #2	43	81	6.94	0.91	9.24	0.21	0.00	0.00	9.24	0.21	0.00	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	120	Medium Density Residential	0.77	0.62	3.47	0.55	1.44	0.55	Pond 2-1	100	Alt. #2	43	81	0.87	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.01	0.00	0.01	0.00	Pond 2-1	100	Alt. #2	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.50	0.08	0.50	0.08	Pond 2-1	100	Alt. #2	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	120	Medium Density Residential	1.57	1.25	7.05	1.11	3.47	1.11	GCP-11	100	Existing	23	51	0.83	0.00	2.75	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	120	Medium Density Residential	3.91	3.13	17.61	2.78	0.46	0.29	GCP-11	100	Existing	23	51	3.99	1.27	13.16	1.22	0.00	0.00	13.16	1.22	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.00	0.03	0.00	0.03	0.00	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.03	0.19	0.03	0.19	0.03	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	N

Appendix C.6: Pollutant Load Calculations - Design Scenario 2

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/year)	Total P Removed (lbs/year)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)	Additional Treatment -	Pond 8-2 Trtmt Train N-Eff. Reduction Factor -	Pond 8-2 Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)
13L1952B-186D	13L1952B	1	59.8	0.9	186	Recreational 2 (Parks w/facilities)	0.16	0.16	0.69	0.08	0.11	0.07	N	100	Alt. #2	0	0	0.00	0.00	0.58	0.01	0.58	0.01	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.17	0.01	0.41	0.01
13L1975B-120D	13L1975B	1	15.9	3.7	120	Medium Density Residential	3.15	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	182r	Golf Course (w/Reclaimed Irrigation)	0.20	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	120	Medium Density Residential	2.97	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	120	Medium Density Residential	8.90	8.90	50.12	7.92	7.74	4.96	N	100	Alt. #2	0	0	0.00	0.00	42.38	2.95	42.38	2.95	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	12.17	1.61	30.21	1.34
13L2052B-120D	13L2052B	1	9.2	9.2	120	Medium Density Residential	7.93	7.93	44.63	7.05	6.11	3.92	N	100	Alt. #2	0	0	0.00	0.00	38.52	3.13	38.52	3.13	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	11.06	1.71	27.45	1.42
13L2053B-120D	13L2053B	1	29.2	28.6	120	Medium Density Residential	24.52	24.52	138.03	21.80	17.78	11.40	N	100	Alt. #2	0	0	0.00	0.00	120.25	10.40	120.25	10.40	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	34.54	5.68	85.71	4.72
13L2053B-140D	13L2053B	1	29.2	0.6	140	Commercial	1.84	1.84	11.99	1.72	0.71	0.46	N	100	Alt. #2	0	0	0.00	0.00	11.28	1.27	11.28	1.27	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	3.24	0.69	8.04	0.58
13L2151B-120D	13L2151B	1	4.5	4.5	120	Medium Density Residential	3.86	3.86	21.70	3.43	2.75	1.76	N	100	Alt. #2	0	0	0.00	0.00	18.95	1.66	18.95	1.66	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	5.44	0.91	13.51	0.76
13L2152B-120D	13L2152B	1	19.5	19.5	120	Medium Density Residential	16.70	16.70	94.02	14.85	12.56	8.05	N	100	Alt. #2	0	0	0.00	0.00	81.46	6.80	81.46	6.80	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	23.40	3.71	58.07	3.08
13L2300B-120D	13L2300B	1	3.1	2.5	120	Medium Density Residential	2.12	1.70	9.56	1.51	0.00	0.00	WP	100	Alt. #2	36	62	3.44	0.94	6.12	0.57	6.12	0.57	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	1.12	0.12	4.99	0.45
13L2300B-500D	13L2300B	1	3.1	0.6	500	Water	2.10	1.68	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	120	Medium Density Residential	3.66	3.66	20.60	3.25	4.06	2.60	N	100	Alt. #2	0	0	0.00	0.00	16.54	0.65	16.54	0.65	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	4.75	0.36	11.79	0.30
13L2500B-120D	13L2500B	1	18.7	3.0	120	Medium Density Residential	2.59	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	130	High Density Residential	5.72	1.33	8.39	1.88	2.35	1.51	W	100	Alt. #2	20	30	1.21	0.11	4.83	0.26	4.83	0.26	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	1.11	0.10	3.72	0.16
13L2500B-140A	13L2500B	1	18.7	0.4	140	Commercial	1.16	0.55	3.60	0.52	0.00	0.00	W	100	Alt. #2	20	30	0.72	0.16	2.88	0.36	2.88	0.36	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.66	0.14	2.22	0.22
13L2500B-140D	13L2500B	1	18.7	2.4	140	Commercial	7.06	3.41	22.25	3.20	1.93	1.24	W	100	Alt. #2	20	30	4.06	0.59	16.26	1.37	16.26	1.37	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	3.73	0.52	12.52	0.85
13L2500B-182rD	13L2500B	1	18.7	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	186	Recreational 2 (Parks w/facilities)	0.25	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	120	Medium Density Residential	0.76	0.60	3.40	0.54	0.00	0.00	WP	100	Alt. #2	36	62	1.22	0.33	2.18	0.20	2.18	0.20	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.40	0.04	1.78	0.16
13L2520B-120D	13L2520B	1	17.2	1.2	120	Medium Density Residential	0.99	0.79	4.47	0.71	0.00	0.00	WP	100	Alt. #2	36	62	1.61	0.44	2.86	0.27	2.86	0.27	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.53	0.06	2.33	0.21
13L2520B-130A	13L2520B	1	17.2	14.5	130	High Density Residential	26.35	21.08	132.98	29.81	0.00	0.00	WP	100	Alt. #2	36	62	47.87	18.48	85.10	11.33	85.10	11.33	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	15.64	2.35	69.46	8.97
13L2520B-130D	13L2520B	1	17.2	0.4	130	High Density Residential	0.83	0.66	4.19	0.94	0.00	0.00	WP	100	Alt. #2	36	62	1.51	0.58	2.68	0.36	2.68	0.36	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.49	0.07	2.19	0.28
13L2520B-140A	13L2520B	1	17.2	0.0	140	Commercial	0.02	0.02	0.12	0.02	0.00	0.00	WP	100	Alt. #2	36	62	0.04	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.06	0.01
13L2520B-600D	13L2520B	1	17.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	130	High Density Residential	0.01	0.00	0.02	0.00	0.00	0.00	DP	100	Alt. #2	80	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	130	High Density Residential	0.08	0.02	0.10	0.02	0.00	0.00	DP	100	Alt. #2	80	80	0.08	0.02	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.02	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	140	Commercial	1.12	0.22	1.46	0.21	0.00	0.00	DP	100	Alt. #2	80	80	1.17	0.17	0.29	0.04	0.29	0.04	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.02	0.00	0.27	0.04
13L2540B-140D	13L2540B	1	4.2	3.7	140	Commercial	10.94	2.19	14.28	2.05	0.00	0.00	DP	100	Alt. #2	80	80	11.42	1.64	2.86	0.41	2.86	0.41	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.16	0.04	2.69	0.37
13L2540B-600D	13L2540B	1	4.2	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Alt. #2	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	130	High Density Residential	0.18	0.04	0.22	0.05	0.00	0.00	DP	100	Alt. #2	80	80	0.18	0.04	0.04	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.04	0.01
13L2560B-140A	13L2560B	1	14.3	13.5	140	Commercial	38.86	7.77	50.72	7.29	0.00	0.00	DP	100	Alt. #2	80	80	40.58	5.83	10.14	1.46	10.14	1.46	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.58	0.16	9.56	1.30
13L2560B-140D	13L2560B	1	14.3	0.7	140	Commercial	2.13	0.43	2.78	0.40	0.00	0.00	DP	100	Alt. #2	80	80	2.23	0.32	0.56	0.08	0.56	0.08	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.03	0.01	0.52	0.07
13L2560B-186A	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Alt. #2	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Alt. #2	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	120	Medium Density Residential	0.35	0.35	1.94	0.31	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	1.94	0.31	1.94	0.31	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.56	0.17	1.38	0.14
13L2700B-130D	13L2700B	1	5.3	3.1	130	High Density Residential	6.13	6.13	38.68	8.67	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	38.68	8.67	38.68	8.67	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	11.11	4.74	27.57	3.93
13L2700B-140D	13L2700B	1	5.3	0.3	140	Commercial	1.01	1.01	6.56	0.94	0.20	0.13	C	100	Alt. #2	0	0	0.00	0.00	6.36	0.81	6.36	0.81	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	1.83	0.44	4.53	0.37
13L2700B-186D	13L2700B	1	5.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	500	Water	2.07	2.07	0.00	0.00	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	120	Medium Density Residential	4.28	3.43	19.29	3.05	2.83	1.81	WP	100	Alt. #2	36	62	5.93	0.76	10.53	0.47	10.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	1.94	0.10	8.60	0.37
13L2720B-130D	13L2720B	1	5.3	0.0	130	High Density Residential	0.02	0.01	0.08	0.02	0.04	0.02	WP	100	Alt. #2	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.02	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.05	0.01	0.00	0.00	WP	100	Alt. #2	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.03	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	140	Commercial	0.50	0.40	2.63	0.38	0.00	0.00	WP	100	Alt. #2	36	62	0.95	0.23	1.69	0.14	1.69	0.14	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.31	0.03	1.38	0.11
13L2750B-140D	13L2750B	1	29.1	20.8	140	Commercial	60.81	48.65	317.50	45.64	0.00	0.00	WP	100	Alt. #2	36	62	114.30	28.30	203.20	17.34	203.20	17.34	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	37.35	3.60	165.85	13.74
13L2750B-186D	13L2750B	1	29.1	0.2	186	Recreational 2 (Parks w/facilities)	0.04	0.03	0.13	0.02	0.00	0.00	WP	100	Alt. #2	36	62	0.05	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.07	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	500	Water	9.05	7.24	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.01	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.03	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.01	0.00	0.02	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	130	High Density Residential	2.69	2.69	16.95	3.80	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	16.95	3.80	16.95	3.80	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	4.87	2.08	12.08	1.72
13L3000B-140D	13L3000B	1	1.6	0.0	140	Commercial	0.10	0.10	0.67	0.10	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.67	0.10	0.67	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.19	0.05	0.48	0.04
13L3000B-500D	13L3000B	1	1.6	0.2	500	Water	0.78	0.78	0.00	0.00	0.00	0.00	C	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	120	Medium Density Residential	0.01	0.00	0.01	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.01	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	120	Medium Density Residential	0.72	0.26	1.44	0.23	0.00	0.00	W	100	Alt. #2	20	30	0.29	0.07	1.15	0.16	1.15	0.16	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.26	0.06	0.89	0.10
13L3140B-130A	13L3140B	1	38.1	0.3	130	High Density Residential	0.54	0.37	2.37	0.53	0.00	0.00	W	100	Alt. #2	20	30	0.47	0.16	1.89	0.37	1.89	0.37	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.43	0.14	1.46	0.23

Appendix C.6: Pollutant Load Calculations - Design Scenario 2

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/year)	Total P Removed (lbs/year)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)	Pond 8-2 Additional Treatment -	Pond 8-2 Trtmt Train N-Eff. Reduction Factor -	Pond 8-2 Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)
13N0302B-120D	13N0302B	3	23.3	15.4	120	Medium Density Residential	13.18	10.54	59.33	9.37	3.97	2.54	WP	100	Existing	36	62	19.93	4.23	35.43	2.59	0.00	0.00	0.00	0.00	35.43	2.59	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	182r	Golf Course (w/Reclaimed Irrigation)	0.27	0.22	1.46	0.24	1.46	0.24	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	120	Medium Density Residential	2.05	1.74	9.81	1.55	2.51	1.55	Pond 5-1	74.4	Alt. #2	41	69	2.21	0.00	5.09	0.00	0.00	0.00	0.00	0.00	5.09	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	120	Medium Density Residential	21.77	18.53	104.29	16.48	18.32	11.75	Pond 5-1	74.4	Alt. #2	41	69	25.99	2.44	59.99	2.29	0.00	0.00	0.00	0.00	59.99	2.29	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #2	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #2	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #2	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	120	Medium Density Residential	21.75	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	500	Water	16.08	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	120	Medium Density Residential	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	120	Medium Density Residential	0.44	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	500	Water	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	120	Medium Density Residential	19.85	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	120	Medium Density Residential	11.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	120	Medium Density Residential	0.28	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	140	Commercial	15.39	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	140	Commercial	0.58	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	500	Water	0.82	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	500	Water	0.88	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	500	Water	52.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	120	Medium Density Residential	1.58	0.16	0.89	0.14	0.70	0.14	N	100	Existing	0	0	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	120	Medium Density Residential	13.45	1.34	7.57	1.20	6.84	1.20	N	100	Existing	0	0	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	185	ecreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	185	ecreational 1 (Parks w/little impervious	0.16	0.02	0.07	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	120	Medium Density Residential	4.20	0.42	2.37	0.37	2.37	0.37	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	120	Medium Density Residential	1.62	0.16	0.91	0.14	0.91	0.14	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	120	Medium Density Residential	0.08	0.01	0.04	0.01	0.04	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	140	Commercial	0.56	0.06	0.36	0.05	0.00	0.00	DP	100	Existing	80	80	0.29	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	140	Commercial	8.68	0.87	5.67	0.81	0.00	0.00	DP	100	Existing	80	80	4.53	0.65	1.13	0.16	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	186	Recreational 2 (Parks w/facilities)	0.07	0.01	0.03	0.00	0.00	0.00	DP	100	Existing	80	80	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	120	Medium Density Residential	8.73	0.87	4.91	0.78	4.80	0.78	N	100	Existing	0	0	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	120	Medium Density Residential	6.78	0.68	3.82	0.60	3.82	0.60	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	120	Medium Density Residential	16.15	1.61	9.09	1.44	9.09	1.44	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	120	Medium Density Residential	10.62	1.06	5.98	0.94	5.98	0.94	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	120	Medium Density Residential	2.40	0.24	1.35	0.21	0.00	0.00	WP	100	Existing	36	62	0.49	0.13	0.87	0.08	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	120	Medium Density Residential	38.98	3.90	21.94	3.47	21.94	3.47	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	120	Medium Density Residential	6.13	0.61	3.45	0.55	2.31	0.55	WP	100	Existing	36	62	0.41	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	185	ecreational 1 (Parks w/little impervious	0.03	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	120	Medium Density Residential	0.05	0.04	0.21	0.03	0.00	0.00	WP	100	Existing	36	62	0.08	0.02	0.14	0.01	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	120	Medium Density Residential	3.47	2.77	15.61	2.47	0.08	0.05	WP	100	Existing	36	62	5.59	1.50	9.94	0.92	0.00	0.00	0.00	0.00	9.94	0.92	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	500	Water	2.14	1.71	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	120	Medium Density Residential	1.42	1.14	6.41	1.01	0.00	0.00	WP	100

Appendix C.6: Pollutant Load Calculations - Design Scenario 2

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/year)	Total P Removed (lbs/year)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)	Pond 8-2 Additional Treatment -	Pond 8-2 Trtmt Train N-Eff. Reduction Factor -	Pond 8-2 Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)
13P1000B-120D	13P1000B	3	11.5	8.1	120	Medium Density Residential	6.90	5.52	31.09	4.91	5.84	3.75	Pond 2-1	100	Alt. #2	43	81	10.84	0.94	14.41	0.22	0.00	0.00	0.00	0.00	14.41	0.22	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	140	Commercial	3.70	2.96	19.30	2.77	1.72	1.10	Pond 2-1	100	Alt. #2	43	81	7.55	1.35	10.04	0.32	0.00	0.00	0.00	0.00	10.04	0.32	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.06	0.40	0.06	0.40	0.06	Pond 2-1	100	Alt. #2	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	120	Medium Density Residential	0.38	0.30	1.71	0.27	0.00	0.00	Pond 2-1	100	Alt. #2	43	81	0.73	0.22	0.98	0.05	0.00	0.00	0.00	0.00	0.98	0.05	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.10	0.69	0.11	0.00	0.00	Pond 2-1	100	Alt. #2	43	81	0.30	0.09	0.40	0.02	0.00	0.00	0.00	0.00	0.40	0.02	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	120	Medium Density Residential	1.14	0.91	5.14	0.81	0.00	0.00	Pond 2-1	100	Alt. #2	43	81	2.21	0.66	2.94	0.16	0.00	0.00	0.00	0.00	2.94	0.16	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.03	0.01	0.00	0.00	Pond 2-1	100	Alt. #2	43	81	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.01	0.00	0.00	Pond 2-1	100	Alt. #2	43	81	0.04	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	130	High Density Residential	1.23	0.99	6.22	1.39	0.29	0.19	Pond 2-1	100	Alt. #2	43	81	2.54	0.98	3.38	0.23	0.00	0.00	0.00	0.00	3.38	0.23	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.04	0.28	0.05	0.28	0.05	Pond 2-1	100	Alt. #2	43	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wet Pond	0.57	0.19	0	0	0.00	0.00	0.00	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	130	High Density Residential	1.22	0.90	5.67	1.27	0.00	0.00	WP	100	Alt. #2	36	62	2.04	0.79	3.63	0.48	3.63	0.48	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.67	0.10	2.96	0.38
13P1800B-130W	13P1800B	1	6.6	0.1	130	High Density Residential	0.14	0.10	0.65	0.15	0.00	0.00	WP	100	Alt. #2	36	62	0.23	0.09	0.42	0.06	0.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.08	0.01	0.34	0.04
13P1800B-140D	13P1800B	1	6.6	0.2	140	Commercial	0.47	0.36	2.33	0.34	0.00	0.00	WP	100	Alt. #2	36	62	0.84	0.21	1.49	0.13	1.49	0.13	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.27	0.03	1.22	0.10
13P1800B-182rD	13P1800B	1	6.6	3.5	182r	Golf Course (w/Reclaimed Irrigation)	0.12	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	500	Water	0.18	0.13	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	500	Water	6.79	5.17	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	120	Medium Density Residential	0.18	0.18	1.00	0.16	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	1.00	0.16	1.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.29	0.09	0.71	0.07
13P1801B-130D	13P1801B	1	3.3	3.0	130	High Density Residential	6.01	6.01	37.90	8.49	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	37.90	8.49	37.90	8.49	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	10.89	4.64	27.02	3.85
13P1801B-140D	13P1801B	1	3.3	0.1	140	Commercial	0.24	0.24	1.56	0.22	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	1.56	0.22	1.56	0.22	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.45	0.12	1.11	0.10
13P1810B-140D	13P1810B	5	10.0	5.4	140	Commercial	15.78	12.63	82.41	11.85	0.11	0.07	WP	100	Alt. #2	36	62	29.63	7.30	52.67	4.48	47.41	4.03	0.00	0.00	5.27	0.45	0.00	0.00	Pond 8-2	0.64	0.38	18	21	8.71	0.84	38.69	3.19
13P1810B-182rD	13P1810B	5	10.0	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	186	Recreational 2 (Parks w/facilities)	0.78	0.63	2.74	0.33	0.16	0.10	WP	100	Alt. #2	36	62	0.93	0.14	1.65	0.08	1.49	0.08	0.00	0.00	0.17	0.01	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.27	0.02	1.21	0.06
13P1814B-130D	13P1814B	1	5.1	0.0	130	High Density Residential	0.09	0.07	0.46	0.10	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.46	0.10	0.46	0.10	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.13	0.06	0.33	0.05
13P1814B-140D	13P1814B	1	5.1	4.3	140	Commercial	12.68	10.81	70.57	10.14	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	70.57	10.14	70.57	10.14	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	20.27	5.54	50.30	4.60
13P1814B-182rD	13P1814B	1	5.1	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	120	Medium Density Residential	3.91	3.03	17.03	2.69	1.62	1.04	W	100	Alt. #2	20	30	3.08	0.49	12.32	1.15	11.09	1.04	0.00	0.00	1.23	0.12	0.00	0.00	Pond 8-2	0.80	0.70	23	38	2.55	0.40	8.54	0.64
13P1826B-140D	13P1826B	5	18.5	8.6	140	Commercial	25.28	23.61	154.06	22.15	2.36	1.51	W	100	Alt. #2	20	30	30.34	6.19	121.36	14.44	109.23	13.00	0.00	0.00	12.14	1.44	0.00	0.00	Pond 8-2	0.80	0.70	23	38	25.10	4.97	84.13	8.03
13P1826B-170D	13P1826B	5	18.5	1.7	170	Institutional	1.59	1.26	5.51	0.65	0.84	0.54	W	100	Alt. #2	20	30	0.93	0.03	3.73	0.08	3.36	0.07	0.00	0.00	0.37	0.01	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.77	0.03	2.59	0.04
13P1826B-186D	13P1826B	5	18.5	1.7	186	Recreational 2 (Parks w/facilities)	0.29	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	140	Commercial	34.13	8.50	55.49	7.98	0.00	0.00	L	100	Alt. #2	36	62	19.98	4.95	35.51	3.03	31.96	2.73	0.00	0.00	3.55	0.30	0.00	0.00	Pond 8-2	0.64	0.38	18	21	5.88	0.57	26.09	2.16
13P1900B-140W	13P1900B	5	25.9	0.0	140	Commercial	0.01	0.00	0.02	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	500	Water	0.70	0.24	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	500	Water	17.19	6.03	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	140	Commercial	2.74	2.74	17.89	2.57	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	17.89	2.57	16.10	2.31	0.00	0.00	1.79	0.26	0.00	0.00	Pond 8-2	1.00	1.00	29	55	4.62	1.26	11.48	1.05
13P1901B-186D	13P1901B	5	2.9	2.0	186	Recreational 2 (Parks w/facilities)	0.33	0.33	1.46	0.17	0.08	0.05	N	100	Alt. #2	0	0	0.00	0.00	1.38	0.12	1.24	0.11	0.00	0.00	0.14	0.01	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.36	0.06	0.88	0.05
13P1902B-140D	13P1902B	5	1.8	1.8	140	Commercial	5.22	5.22	34.04	4.89	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	34.04	4.89	30.64	4.40	0.00	0.00	3.40	0.49	0.00	0.00	Pond 8-2	1.00	1.00	29	55	8.80	2.41	21.84	2.00
13P1902B-600D	13P1902B	5	1.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.01	0.00	0.01	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	140	Commercial	26.24	26.24	171.27	24.62	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	171.27	24.62	154.14	22.16	0.00	0.00	17.13	2.46	0.00	0.00	Pond 8-2	1.00	1.00	29	55	44.27	12.10	109.87	10.05
13P1920B-185D	13P1920B	5	9.1	0.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	140	Commercial	0.12	0.12	0.79	0.11	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.79	0.11	0.71	0.10	0.00	0.00	0.08	0.01	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.20	0.06	0.51	0.05
13P2010B-186D	13P2010B	5	0.9	0.9	186	Recreational 2 (Parks w/facilities)	0.15	0.15	0.64	0.08	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.64	0.08	0.58	0.07	0.00	0.00	0.06	0.01	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.17	0.04	0.41	0.03
13P2014B-140D	13P2014B	5	1.7	0.1	140	Commercial	0.22	0.22	1.45	0.21	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	1.45	0.21	1.30	0.19	0.00	0.00	0.14	0.02	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.37	0.10	0.93	0.08
13P2014B-186D	13P2014B	5	1.7	1.6	186	Recreational 2 (Parks w/facilities)	0.27	0.27	1.19	0.14	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	1.19	0.14	1.07	0.13	0.00	0.00	0.12	0.01	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.31	0.07	0.76	0.06
13P2050B-120D	13P2050B	5	6.6	0.3	120	Medium Density Residential	0.27	0.27	1.50	0.24	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	1.50	0.24	1.35	0.21	0.00	0.00	0.15	0.02	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.39	0.12	0.96	0.10
13P2050B-140D	13P2050B	5	6.6	5.9	140	Commercial	17.20	17.20	112.26	16.14	0.17	0.11	N	100	Alt. #2	0	0	0.00	0.00	112.09	16.03	100.88	14.42	0.00	0.00	11.21	1.60	0.00	0.00	Pond 8-2	1.00	1.00	29	55	28.97	7.88	71.91	6.54
13P2050B-186D	13P2050B	5	6.6	0.4	186	Recreational 2 (Parks w/facilities)	0.06	0.06	0.28	0.03	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.28	0.03	0.26	0.03	0.00	0.00	0.03	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.07	0.02	0.18	0.01
13P2250B-120D	13P2250B	5	49.8	15.1	120	Medium Density Residential	12.91	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	120	Medium Density Residential	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	140	Commercial	54.55	30.70	200.38	28.80	3.11	1.99	L	100	Alt. #2	36	62	71.02	16.62	126.25	10.19	113.63	9.17	0.00	0.00	12.63	1.02	0.00	0.00	Pond 8-2	0.64	0.38	18	21	20.89	1.90	92.74	7.27
13P2250B-186D	13P2250B	5	49.8	0.2	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	500	Water	2.26	1.40	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	500	Water	40.92	25.45	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00

Appendix C.6: Pollutant Load Calculations - Design Scenario 2

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	90
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	10
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/year)	Total P Removed (lbs/year)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)	Additional Treatment -	Pond 8-2 Trtmt Train N-Eff. Reduction Factor -	Pond 8-2 Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)
13P2660B-140D	13P2660B	5	26.2	3.3	140	Commercial	9.64	5.30	34.57	4.97	0.00	0.00	W	100	Alt. #2	20	30	6.91	1.49	27.66	3.48	24.89	3.13	0.00	0.00	2.77	0.35	0.00	0.00	Pond 8-2	0.80	0.70	23	38	5.72	1.20	19.17	1.93
13P2660B-186A	13P2660B	5	26.2	0.1	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	120	Medium Density Residential	11.54	4.93	27.73	4.38	0.00	0.00	W	100	Alt. #2	20	30	5.55	1.31	22.19	3.07	19.97	2.76	0.00	0.00	2.22	0.31	0.00	0.00	Pond 8-2	0.80	0.70	23	38	4.59	1.06	15.38	1.70
13P2661B-120D	13P2661B	5	29.9	1.9	120	Medium Density Residential	1.65	0.88	4.98	0.79	0.00	0.00	W	100	Alt. #2	20	30	1.00	0.24	3.98	0.55	3.59	0.50	0.00	0.00	0.40	0.06	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.82	0.19	2.76	0.31
13P2661B-140A	13P2661B	5	29.9	0.2	140	Commercial	0.44	0.38	2.48	0.36	0.00	0.00	W	100	Alt. #2	20	30	0.50	0.11	1.98	0.25	1.79	0.22	0.00	0.00	0.20	0.02	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.41	0.09	1.38	0.14
13P2661B-186A	13P2661B	5	29.9	4.4	186	Recreational 2 (Parks w/facilities)	0.05	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	120	Medium Density Residential	59.34	49.68	279.64	44.17	0.00	0.00	L	100	Alt. #2	36	62	100.67	27.39	178.97	16.79	161.07	15.11	0.00	0.00	17.90	1.68	0.00	0.00	Pond 8-2	0.64	0.38	18	21	29.61	3.14	131.46	11.97
13P2800B-130A	13P2800B	5	151.5	0.2	130	High Density Residential	0.38	0.35	2.22	0.50	0.00	0.00	L	100	Alt. #2	36	62	0.80	0.31	1.42	0.19	1.28	0.17	0.00	0.00	0.14	0.02	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.24	0.04	1.05	0.14
13P2800B-130D	13P2800B	5	151.5	34.6	130	High Density Residential	68.26	63.43	400.15	89.69	0.00	0.00	L	100	Alt. #2	36	62	144.05	55.61	256.10	34.08	230.49	30.67	0.00	0.00	25.61	3.41	0.00	0.00	Pond 8-2	0.64	0.38	18	21	42.37	6.37	188.12	24.31
13P2800B-140D	13P2800B	5	151.5	18.7	140	Commercial	54.63	52.03	339.55	48.81	0.00	0.00	L	100	Alt. #2	36	62	122.24	30.26	217.31	18.55	195.58	16.69	0.00	0.00	21.73	1.85	0.00	0.00	Pond 8-2	0.64	0.38	18	21	35.95	3.47	159.63	13.23
13P2800B-170D	13P2800B	5	151.5	4.4	170	Institutional	4.08	3.46	15.16	1.80	0.00	0.00	L	100	Alt. #2	36	62	5.46	1.11	9.70	0.68	8.73	0.62	0.00	0.00	0.97	0.07	0.00	0.00	Pond 8-2	0.64	0.38	18	21	1.60	0.13	7.13	0.49
13P2800B-186A	13P2800B	5	151.5	2.5	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	186	Recreational 2 (Parks w/facilities)	2.73	0.47	2.05	0.24	0.00	0.00	L	100	Alt. #2	36	62	0.74	0.15	1.32	0.09	1.18	0.08	0.00	0.00	0.13	0.01	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.22	0.02	0.97	0.07
13P2800B-500D	13P2800B	5	151.5	4.6	500	Water	15.49	14.85	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	120	Medium Density Residential	16.37	16.37	92.12	14.55	0.00	0.00	L	100	Alt. #2	36	62	33.16	9.02	58.96	5.53	53.06	4.98	0.00	0.00	5.90	0.55	0.00	0.00	Pond 8-2	0.64	0.38	18	21	9.75	1.03	43.31	3.94
13P2900B-130D	13P2900B	5	24.3	4.7	130	High Density Residential	9.26	9.26	58.42	13.09	0.00	0.00	L	100	Alt. #2	36	62	21.03	8.12	37.39	4.98	33.65	4.48	0.00	0.00	3.74	0.50	0.00	0.00	Pond 8-2	0.64	0.38	18	21	6.18	0.93	27.46	3.55
13P2900B-140D	13P2900B	5	24.3	0.2	140	Commercial	0.67	0.67	4.35	0.63	0.00	0.00	L	100	Alt. #2	36	62	1.57	0.39	2.78	0.24	2.51	0.21	0.00	0.00	0.28	0.02	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.46	0.04	2.05	0.17
13P2900B-310D	13P2900B	5	24.3	0.3	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	140	Commercial	40.72	32.57	212.58	30.56	0.00	0.00	WP	100	Alt. #2	36	62	76.53	18.95	136.05	11.61	122.45	10.45	0.00	0.00	13.61	1.16	0.00	0.00	Pond 8-2	0.64	0.38	18	21	22.51	2.17	99.94	8.28
13P3400B-186D	13P3400B	5	15.5	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	500	Water	4.20	3.36	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	120	Medium Density Residential	2.33	2.33	13.13	2.07	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	13.13	2.07	11.82	1.87	0.00	0.00	1.31	0.21	0.00	0.00	Pond 8-2	1.00	1.00	29	55	3.39	1.02	8.42	0.85
13Q0500B-140D	13Q0500B	5	3.5	0.7	140	Commercial	2.19	2.19	14.32	2.06	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	14.32	2.06	12.88	1.85	0.00	0.00	1.43	0.21	0.00	0.00	Pond 8-2	1.00	1.00	29	55	3.70	1.01	9.18	0.84
13Q0820B-120A	13Q0820B	5	39.9	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	120	Medium Density Residential	27.85	22.28	125.40	19.81	0.00	0.00	WP	100	Alt. #2	36	62	45.14	12.28	80.25	7.53	72.23	6.77	0.00	0.00	8.03	0.75	0.00	0.00	Pond 8-2	0.64	0.38	18	21	13.28	1.41	58.95	5.37
13Q0820B-140D	13Q0820B	5	39.9	5.5	140	Commercial	16.02	12.81	83.62	12.02	0.00	0.00	WP	100	Alt. #2	36	62	30.10	7.45	53.52	4.57	48.16	4.11	0.00	0.00	5.35	0.46	0.00	0.00	Pond 8-2	0.64	0.38	18	21	8.85	0.85	39.31	3.26
13Q0820B-186D	13Q0820B	5	39.9	0.0	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.02	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	500	Water	6.47	5.18	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	155	Industrial	0.10	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Alt. #2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	120	Medium Density Residential	0.03	0.03	0.16	0.03	0.03	0.02	N	100	Alt. #2	0	0	0.00	0.00	0.13	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.03	0.00	0.08	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	120	Medium Density Residential	1.27	1.27	7.14	1.13	1.02	0.65	N	100	Alt. #2	0	0	0.00	0.00	6.12	0.48	5.51	0.43	0.00	0.00	0.61	0.05	0.00	0.00	Pond 8-2	1.00	1.00	29	55	1.58	0.23	3.93	0.19
13Q0860B-155A	13Q0860B	5	12.7	0.8	155	Industrial	0.02	0.02	0.08	0.02	0.08	0.02	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	155	Industrial	0.14	0.14	0.47	0.10	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.47	0.10	0.42	0.09	0.00	0.00	0.05	0.01	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.12	0.05	0.30	0.04
13Q0860B-185A	13Q0860B	5	12.7	3.8	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.02	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.01	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	500	Water	0.02	0.02	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	500	Water	2.44	2.44	0.00	0.00	0.00	0.00	N	100	Alt. #2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	120	Medium Density Residential	0.18	0.14	0.80	0.13	0.00	0.00	WP	100	Alt. #2	36	62	0.29	0.08	0.51	0.05	0.46	0.04	0.00	0.00	0.05	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.08	0.01	0.37	0.03
13Q0861B-120D	13Q0861B	5	5.1	1.2	120	Medium Density Residential	1.01	0.81	4.55	0.72	0.75	0.48	WP	100	Alt. #2	36	62	1.37	0.15	2.44	0.09	2.19	0.08	0.00	0.00	0.24	0.01	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.40	0.02	1.79	0.07
13Q0861B-155A	13Q0861B	5	5.1	0.8	155	Industrial	0.03	0.02	0.07	0.01	0.07	0.01	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	155	Industrial	0.42	0.33	1.09	0.24	0.19	0.12	WP	100	Alt. #2	36	62	0.32	0.07	0.57	0.04	0.52	0.04	0.00	0.00	0.06	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.10	0.01	0.42	0.03
13Q0861B-185A	13Q0861B	5	5.1	1.2	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	155	Industrial	0.05	0.04	0.14	0.03	0.00	0.00	WP	100	Alt. #2	36	62	0.05	0.02	0.09	0.01	0.08	0.01	0.00	0.00	0.01	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.07	0.01
13Q0870B-155D	13Q0870B	5	10.1	6.4	155	Industrial	1.86	1.49	4.86	1.05	1.75	1.05	WP	100	Alt. #2	36	62	1.12	0.00	1.99	0.00	1.79	0.00	0.00	0.00	0.20	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.33	0.00	1.46	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	500	Water	5.91	4.73	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Alt. #2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	120	Medium Density Residential	3.89	3.89	21.90	3.46	2.97	1.90	N	100	Alt. #2	0	0	0.00	0.00	18.93	1.56	17.04	1.40	0.00	0.00	1.89	0.16	0.00	0.00	Pond

Appendix C
Design Condition
Pollutant Loading Calculations

C.7 Runoff Calculations – Design Scenario 3

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	% from Grassy 50 Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	% from Grassy 50 Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L0800B-120A	13L0800B	4	35.0	9.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	6.62	L	Existing	100	0	0.00	4.55	2.08	0.00	0.00	0.00	2.08
13L0800B-120D	13L0800B	4	35.0	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.86	L	Existing	100	0	0.00	4.36	3.50	0.00	0.00	0.00	3.50
13L0800B-130A	13L0800B	4	35.0	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.39	L	Existing	100	0	0.00	0.10	0.29	0.00	0.00	0.00	0.29
13L0800B-130D	13L0800B	4	35.0	0.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.79	L	Existing	100	0	0.00	0.43	1.36	0.00	0.00	0.00	1.36
13L0800B-140A	13L0800B	4	35.0	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.52	L	Existing	100	0	0.00	0.09	0.43	0.00	0.00	0.00	0.43
13L0800B-140D	13L0800B	4	35.0	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.10	L	Existing	100	0	0.00	0.18	0.92	0.00	0.00	0.00	0.92
13L0800B-186D	13L0800B	4	35.0	7.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	1.17	L	Existing	100	0	0.00	3.31	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.82	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.38	L	Existing	100	0	0.00	0.19	1.18	0.00	0.00	0.00	1.18
13L0800B-600D	13L0800B	4	35.0	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	2.14	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.00	L	Existing	100	0	0.00	0.46	2.54	0.00	0.00	0.00	2.54
13L0801B-120A	13L0801B	4	26.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	DP	Existing	100	80	0.14	0.00	0.04	0.00	0.00	0.00	0.04
13L0801B-120D	13L0801B	4	26.1	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.32	DP	Existing	100	80	5.06	0.00	1.26	0.00	0.00	0.00	1.26
13L0801B-130A	13L0801B	4	26.1	9.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	16.92	DP	Existing	100	80	13.54	0.00	3.38	0.00	0.00	0.00	3.38
13L0801B-130D	13L0801B	4	26.1	1.2	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.39	DP	Existing	100	80	1.91	0.00	0.48	0.00	0.00	0.00	0.48
13L0801B-140A	13L0801B	4	26.1	4.7	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	13.48	DP	Existing	100	80	10.78	0.00	2.70	0.00	0.00	0.00	2.70
13L0801B-140D	13L0801B	4	26.1	0.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.05	DP	Existing	100	80	0.84	0.00	0.21	0.00	0.00	0.00	0.21
13L0801B-186A	13L0801B	4	26.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.44	DP	Existing	100	80	0.35	0.00	0.09	0.00	0.00	0.00	0.09
13L0801B-430A	13L0801B	4	26.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.40	WP	Existing	100	20	0.08	0.00	0.32	0.00	0.00	0.00	0.32
13L0820B-120D	13L0820B	4	24.7	7.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.69	WP	Existing	100	20	1.34	0.00	5.35	0.00	0.00	0.00	5.35
13L0820B-130A	13L0820B	4	24.7	2.4	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	4.31	WP	Existing	100	20	0.86	0.00	3.45	0.00	0.00	0.00	3.45
13L0820B-130D	13L0820B	4	24.7	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.20	WP	Existing	100	20	1.84	0.00	7.36	0.00	0.00	0.00	7.36
13L0820B-140D	13L0820B	4	24.7	4.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	13.56	WP	Existing	100	20	2.71	0.00	10.85	0.00	0.00	0.00	10.85
13L0820B-186D	13L0820B	4	24.7	3.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.61	WP	Existing	100	20	0.12	0.00	0.49	0.00	0.00	0.00	0.49
13L0820B-500D	13L0820B	4	24.7	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.42	WP	Existing	100	20	0.68	0.00	2.74	0.00	0.00	0.00	2.74
13L1000B-120A	13L1000B	3	59.8	4.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.79	L	Existing	100	0	0.00	0.86	1.93	0.00	0.00	1.93	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.93	L	Existing	100	0	0.00	5.70	17.23	0.00	0.00	17.23	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.19	L	Existing	100	0	0.00	1.19	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.09	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.24	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	3.58	L	Existing	100	0	0.00	0.24	3.33	0.00	0.00	3.33	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.36	GCP-3	Existing	100	20	0.07	0.00	0.29	0.00	0.29	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.73	GCP-3	Existing	100	20	0.95	0.00	3.78	0.00	3.78	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	GCP-3	Existing	100	20	0.01	0.00	0.05	0.00	0.05	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.96	WP	Existing	100	20	0.39	0.00	1.57	0.00	1.57	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.84	WP	Existing	100	20	0.77	0.00	3.07	0.00	3.07	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.70	WP	Existing	100	20	0.54	0.00	2.16	0.00	2.16	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.06	W	Existing	100	0	0.00	0.16	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	19.73	W	Existing	100	0	0.00	7.75	11.98	0.00	0.00	11.98	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.01	W	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.02	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.11	L	Existing	100	0	0.00	0.01	0.11	0.00	0.11	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.79	L	Existing	100	0	0.00	1.47	23.32	0.00	23.32	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.25	L	Existing	100	0	0.00	0.36	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.29	0.00	0.00	0.00	0.00	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L1200B-500D	13L1200B	2	44.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.01	L	Existing	100	0	0.00	0.00	0.01	0.00	0.01	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.25	Pond 2-3	Alt. #3	100	20	0.85	0.00	3.40	0.00	3.40	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.77	Pond 2-3	Alt. #3	100	20	0.15	0.00	0.62	0.00	0.62	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	Pond 2-3	Alt. #3	100	20	0.02	0.00	0.07	0.00	0.07	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.57	GCP-11	Existing	100	20	0.31	0.00	1.25	0.00	1.25	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	GCP-11	Existing	100	20	0.78	0.00	3.13	0.00	3.13	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	GCP-11	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	GCP-11	Existing	100	20	0.01	0.00	0.03	0.00	0.03	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.18	N	Existing	100	0	0.00	0.00	1.18	0.00	1.18	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.47	L	Existing	100	0	0.00	0.00	1.47	1.47	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	22.88	L	Existing	100	0	0.00	0.00	22.88	22.88	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	L	Existing	100	0	0.00	0.00	0.05	0.05	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.21	L	Existing	100	0	0.00	0.00	0.21	0.21	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.54	GCP-7A	Existing	100	20	0.11	0.00	0.43	0.43	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	GCP-7A	Existing	100	20	0.02	0.00	0.07	0.07	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.09	GCP-7A	Existing	100	20	0.22	0.00	0.88	0.88	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7A	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.03	DP	Existing	100	80	1.62	0.00	0.41	0.41	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	15.98	DP	Existing	100	80	12.78	0.00	3.20	3.20	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.11	W	Existing	100	0	0.00	19.46	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.03	W	Existing	100	0	0.00	12.79	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	W	Existing	100	0	0.00	2.08	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	67.30	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	42.15	N	Existing	100	0	0.00	0.00	42.15	42.15	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.96	N	Existing	100	0	0.00	0.00	5.96	5.96	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.17	N	Existing	100	0	0.00	0.00	29.17	29.17	0.00	0.00	0.00
13L1876B-155D	13L1876B	1	66.8	1.1	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.33	N	Existing	100	0	0.00	0.00	0.33	0.33	0.00	0.00	0.00
13L1876B-186D	13L1876B	1	66.8	3.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.59	N	Existing	100	0	0.00	0.00	0.59	0.59	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.33	Pond 7AB-2	Alt. #3	100	20	5.47	0.00	21.86	21.86	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	15.37	Pond 7AB-2	Alt. #3	100	20	3.07	0.00	12.29	12.29	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.05	Pond 7AB-2	Alt. #3	100	20	3.21	0.00	12.84	12.84	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	5.53	Pond 7AB-2	Alt. #3	100	20	1.11	0.00	4.42	4.42	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.06	Pond 7AB-2	Alt. #3	100	20	0.01	0.00	0.05	0.05	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-2	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.49	W	Existing	100	0	0.00	4.73	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	3.48	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.96	W	Pond 8-2	100	0	0.00	24.44	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.15	W	Pond 8-2	100	0	0.00	11.36	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	104.36	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.99	N	Pond 8-2	100	0	0.00	0.00	1.99	1.99	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	N	Pond 8-2	100	0	0.00	0.00	0.07	0.07	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	41.78	N	Pond 8-2	100	0	0.00	0.00	41.78	41.78	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	29.50	N	Pond 8-2	100	0	0.00	0.00	29.50	29.50	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.16	N	Pond 8-2	100	0	0.00	0.00	0.16	0.16	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.15	W	Pond 8-2	100	0	0.00	6.51	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.20	W	Pond 8-2	100	0	0.00	10.27	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	11.30	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.97	W	Pond 8-2	100	0	0.00	7.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	W	Pond 8-2	100	0	0.00	5.16	0.00	0.00	0.00	0.00	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	% from Grassy 50 Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	% from Grassy 50 Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L2050B-600D	13L2050B	1	15.9	9.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	19.87	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.90	N	Pond 8-2	100	0	0.00	0.00	8.90	8.90	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.93	N	Pond 8-2	100	0	0.00	0.00	7.93	7.93	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	24.52	N	Pond 8-2	100	0	0.00	0.00	24.52	24.52	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.84	N	Pond 8-2	100	0	0.00	0.00	1.84	1.84	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.86	N	Pond 8-2	100	0	0.00	0.00	3.86	3.86	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.70	N	Pond 8-2	100	0	0.00	0.00	16.70	16.70	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.12	WP	Pond 8-2	100	20	0.42	0.00	1.70	1.70	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.10	WP	Pond 8-2	100	20	0.42	0.00	1.68	1.68	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.66	N	Pond 8-2	100	0	0.00	0.00	3.66	3.66	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.59	W	Pond 8-2	100	0	0.00	4.57	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	5.72	W	Pond 8-2	100	0	0.00	4.39	1.33	1.33	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.16	W	Pond 8-2	100	0	0.00	0.61	0.55	0.55	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	7.06	W	Pond 8-2	100	0	0.00	3.65	3.41	3.41	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Pond 8-2	100	0	0.00	0.14	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.01	W	Pond 8-2	100	0	0.00	0.75	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.25	W	Pond 8-2	100	0	0.00	2.21	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	0.38	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	11.66	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.76	WP	Pond 8-2	100	20	0.15	0.00	0.60	0.60	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.99	WP	Pond 8-2	100	20	0.20	0.00	0.79	0.79	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	26.35	WP	Pond 8-2	100	20	5.27	0.00	21.08	21.08	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.83	WP	Pond 8-2	100	20	0.17	0.00	0.66	0.66	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.02	WP	Pond 8-2	100	20	0.00	0.00	0.02	0.02	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.01	DP	Pond 8-2	100	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.08	DP	Pond 8-2	100	80	0.06	0.00	0.02	0.02	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	1.12	DP	Pond 8-2	100	80	0.89	0.00	0.22	0.22	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.94	DP	Pond 8-2	100	80	8.75	0.00	2.19	2.19	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Pond 8-2	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.18	DP	Pond 8-2	100	80	0.14	0.00	0.04	0.04	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	38.86	DP	Pond 8-2	100	80	31.09	0.00	7.77	7.77	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.13	DP	Pond 8-2	100	80	1.71	0.00	0.43	0.43	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Pond 8-2	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	DP	Pond 8-2	100	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.35	C	Pond 8-2	100	0	0.00	0.00	0.35	0.35	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.13	C	Pond 8-2	100	0	0.00	0.00	6.13	6.13	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	1.01	C	Pond 8-2	100	0	0.00	0.00	1.01	1.01	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	C	Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.07	C	Pond 8-2	100	0	0.00	0.00	2.07	2.07	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.28	WP	Pond 8-2	100	20	0.86	0.00	3.43	3.43	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.02	WP	Pond 8-2	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	WP	Pond 8-2	100	20	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.50	WP	Pond 8-2	100	20	0.10	0.00	0.40	0.40	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	60.81	WP	Pond 8-2	100	20	12.16	0.00	48.65	48.65	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.04	WP	Pond 8-2	100	20	0.01	0.00	0.03	0.03	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.05	WP	Pond 8-2	100	20	1.81	0.00	7.24	7.24	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	C	Pond 8-2	100	0	0.00	0.00	0.01	0.01	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	2.69	C	Pond 8-2	100	0	0.00	0.00	2.69	2.69	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.10	C	Pond 8-2	100	0	0.00	0.00	0.10	0.10	0.00	0.00	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13L3000B-500D	13L3000B	1	1.6	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.78	C	Pond 8-2	100	0	0.00	0.00	0.78	0.78	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	W	Pond 8-2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.72	W	Pond 8-2	100	0	0.00	0.46	0.26	0.26	0.00	0.00	0.00
13L3140B-130A	13L3140B	1	38.1	0.3	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.54	W	Pond 8-2	100	0	0.00	0.16	0.37	0.37	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	14.22	W	Pond 8-2	100	0	0.00	2.72	11.50	11.50	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.14	W	Pond 8-2	100	0	0.00	10.19	43.95	43.95	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Pond 8-2	100	0	0.00	0.13	0.00	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.97	W	Pond 8-2	100	0	0.00	3.18	0.00	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	0.09	0.00	0.00	0.00	0.00	0.00
13L3140B-600D	13L3140B	1	38.1	5.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 8-2	100	0	0.00	2.84	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.93	WP	Existing	100	20	0.59	0.00	2.34	0.00	0.00	2.34	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.33	WP	Existing	100	20	1.27	0.00	5.06	0.00	0.00	5.06	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.87	WP	Existing	100	20	0.37	0.00	1.50	0.00	0.00	1.50	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.01	WP	Existing	100	20	0.60	0.00	2.40	0.00	0.00	2.40	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.55	WP	Existing	100	20	0.51	0.00	2.04	0.00	0.00	2.04	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.68	WP	Existing	100	20	1.74	0.00	6.94	0.00	0.00	6.94	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	WP	Existing	100	20	0.25	0.00	1.01	0.00	0.00	1.01	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.72	WP	Existing	100	20	0.94	0.00	3.78	0.00	0.00	3.78	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.80	W	Existing	100	0	0.00	2.59	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	7.29	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.43	L	Existing	100	0	0.00	3.92	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.70	L	Existing	100	0	0.00	25.81	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	L	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.95	L	Existing	100	0	0.00	0.53	0.42	0.00	0.00	0.42	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	33.18	L	Existing	100	0	0.00	18.55	14.63	0.00	0.00	14.63	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	16.98	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	0	0.00	4.23	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	0.87	1.42	1.55	1.86	9.19	7.27	4.87	3.25	1.99	5.03	37.31	0.78	0.27	L	Existing	100	0	0.00	0.17	0.11	0.00	0.00	0.11	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.30	N	Existing	100	0	0.00	0.00	5.30	0.00	0.00	5.30	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.04	N	Existing	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	N	Existing	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.23	N	Existing	100	0	0.00	0.00	0.23	0.00	0.00	0.23	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.04	GCP-4	Existing	100	20	0.21	0.00	0.83	0.00	0.00	0.83	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.85	GCP-4	Existing	100	20	1.57	0.00	6.28	0.00	0.00	6.28	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	GCP-4	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	GCP-4	Existing	100	20	0.02	0.00	0.09	0.00	0.00	0.09	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	WP	Existing	100	20	0.01	0.00	0.02	0.00	0.00	0.02	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.18	WP	Existing	100	20	2.64	0.00	10.54	0.00	0.00	10.54	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.27	WP	Existing	100	20	0.05	0.00	0.22	0.00	0.00	0.22	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	2.05	Pond 5-1	Alt. #3	74.4	20	0.30	0.00	1.74	0.00	0.00	1.74	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.77	Pond 5-1	Alt. #3	74.4	20	3.24	0.00	18.53	0.00	0.00	18.53	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #3	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #3	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	Alt. #3	74.4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	21.75	LL	Existing	100	100	21.75	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	16.08	LL	Existing	100	100	16.08	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0650B-600D	13N0650B	3	42.4	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LL	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.02	W	Existing	100	0	0.00	0.12	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.44	W	Existing	100	0	0.00	1.95	0.00	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	W	Existing	100	0	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	1.51	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Existing	100	0	0.00	13.97	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	19.85	L	Existing	100	90	17.86	27.27	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	11.05	L	Existing	100	90	9.94	12.26	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.28	L	Existing	100	90	0.26	0.21	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	15.39	L	Existing	100	90	13.85	5.08	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.58	L	Existing	100	90	0.52	0.19	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.02	L	Existing	100	90	0.02	1.74	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.02	L	Existing	100	90	0.02	0.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.11	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	4.18	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	0.30	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.82	L	Existing	100	90	0.74	0.23	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.88	L	Existing	100	90	0.79	0.25	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	52.05	L	Existing	100	90	46.85	14.63	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	2.51	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	10.96	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Existing	100	90	0.00	5.14	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.58	N	Existing	100	90	1.43	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	13.45	N	Existing	100	90	12.10	0.00	1.34	0.00	0.00	0.13	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	N	Existing	100	90	0.14	0.00	0.02	0.00	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	DP	Existing	100	90	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.20	DP	Existing	100	90	3.78	0.00	0.42	0.00	0.00	0.04	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.62	N	Existing	100	90	1.46	0.00	0.16	0.00	0.00	0.02	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.08	N	Existing	100	90	0.07	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.01	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.56	DP	Existing	100	90	0.50	0.00	0.06	0.00	0.00	0.01	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.68	DP	Existing	100	90	7.81	0.00	0.87	0.00	0.00	0.09	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.07	DP	Existing	100	90	0.06	0.00	0.01	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	8.73	N	Existing	100	90	7.85	0.00	0.87	0.00	0.00	0.09	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.78	N	Existing	100	90	6.10	0.00	0.68	0.00	0.00	0.07	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0730B-120D	13N0730B	6	18.8	18.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.15	N	Existing	100	90	14.53	0.00	1.61	0.00	0.00	0.16	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	10.62	N	Existing	100	90	9.56	0.00	1.06	0.00	0.00	0.11	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.40	WP	Existing	100	90	2.16	0.00	0.24	0.00	0.00	0.02	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	38.98	WP	Existing	100	90	35.08	0.00	3.90	0.00	0.00	0.39	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.13	WP	Existing	100	90	5.52	0.00	0.61	0.00	0.00	0.06	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	WP	Existing	100	90	0.03	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.05	WP	Existing	100	20	0.01	0.00	0.04	0.00	0.00	0.04	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.47	WP	Existing	100	20	0.69	0.00	2.77	0.00	0.00	2.77	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.14	WP	Existing	100	20	0.43	0.00	1.71	0.00	0.00	1.71	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13N0850B-120D	13N0850B	3	4.5	1.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.42	WP	Existing	100	20	0.28	0.00	1.14	0.00	0.00	1.14	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.16	WP	Existing	100	20	0.83	0.00	3.33	0.00	0.00	3.33	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-120A	13N0900B	3	7.4	0.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.62	WP	Existing	100	20	0.12	0.00	0.50	0.00	0.00	0.50	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.76	WP	Existing	100	20	0.95	0.00	3.81	0.00	0.00	3.81	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.08	WP	Existing	100	20	0.62	0.00	2.46	0.00	0.00	2.46	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Existing	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.80	N	Existing	100	0	0.00	0.00	0.80	0.00	0.00	0.80	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	7.97	N	Existing	100	0	0.00	0.00	7.97	0.00	0.00	7.97	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	N	Existing	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.04	Pond 2-3	Alt. #3	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.58	Pond 2-3	Alt. #3	100	20	0.12	0.00	0.47	0.00	0.00	0.47	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	Pond 2-3	Alt. #3	100	20	0.01	0.00	0.03	0.00	0.00	0.03	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.29	Pond 2-3	Alt. #3	100	20	0.26	0.81	0.22	0.00	0.00	0.22	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.97	Pond 2-3	Alt. #3	100	20	0.99	2.53	1.44	0.00	0.00	1.44	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.31	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-3	Alt. #3	100	20	0.01	0.86	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.02	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.83	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	1.41	Pond 2-3	Alt. #3	100	20	0.28	0.00	1.13	0.00	0.00	1.13	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.33	Pond 2-3	Alt. #3	100	20	0.07	0.00	0.26	0.00	0.00	0.26	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.23	DA	Pond 1-3	100	30	0.37	0.00	0.86	0.00	0.00	0.86	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	DA	Pond 1-3	100	30	0.03	0.00	0.07	0.00	0.00	0.07	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.28	Pond 2-3	Alt. #3	100	20	0.46	0.00	1.83	0.00	0.00	1.83	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	Pond 2-3	Alt. #3	100	20	0.01	0.00	0.05	0.00	0.00	0.05	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.64	Pond 2-3	Alt. #3	100	20	0.13	0.00	0.51	0.00	0.00	0.51	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	Pond 2-3	Alt. #3	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.90	N	Pond 1-3	100	0	0.00	0.00	0.90	0.00	0.00	0.90	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.04	N	Pond 1-3	100	0	0.00	0.00	0.04	0.00	0.00	0.04	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	5.02	C	Pond 1-3	100	0	0.00	0.00	5.02	0.00	0.00	5.02	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	0.15	C	Pond 1-3	100	0	0.00	0.00	0.15	0.00	0.00	0.15	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	C	Pond 1-3	100	0	0.00	0.00	0.13	0.00	0.00	0.13	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	Pond 1-3	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.90	C	Pond 1-3	100	0	0.00	0.00	6.90	0.00	0.00	6.90	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	3.70	C	Pond 1-3	100	0	0.00	0.00	3.70	0.00	0.00	3.70	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.07	C	Pond 1-3	100	0	0.00	0.00	0.07	0.00	0.00	0.07	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.38	DA	Pond 1-3	100	30	0.11	0.00	0.27	0.00	0.00	0.27	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.13	DA	Pond 1-3	100	30	0.04	0.00	0.09	0.00	0.00	0.09	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.14	C	Pond 1-3	100	0	0.00	0.00	1.14	0.00	0.00	1.14	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.01	C	Pond 1-3	100	0	0.00	0.00	0.01	0.00	0.00	0.01	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	C	Pond 1-3	100	0	0.00	0.00	0.02	0.00	0.00	0.02	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.23	C	Pond 1-3	100	0	0.00	0.00	1.23	0.00	0.00	1.23	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.05	C	Pond 1-3	100	0	0.00	0.00	0.05	0.00	0.00	0.05	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	1.22	WP	Pond 1-3 Pond 8-2	100	20	0.24	0.08	0.90	0.90	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	0.63	1.02	1.13	1.37	6.79	5.40	3.62	2.41	1.48	3.73	27.60	0.58	0.14	WP	Pond 1-3 Pond 8-2	100	20	0.03	0.01	0.10	0.10	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.47	WP	Pond 1-3 Pond 8-2	100	20	0.09	0.02	0.36	0.36	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.12	WP	Pond 1-3 Pond 8-2	100	20	0.02	0.45	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	0.04	0.06	0.06	0.08	0.42	0.36	0.24	0.16	0.10	0.26	1.79	0.04	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.18	WP	Pond 1-3 Pond 8-2	100	20	0.04	0.01	0.13	0.13	0.00	0.00	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P1800B-500W	13P1800B	1	6.6	2.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.79	WP	Pond 1-3 Pond 8-2	100	20	1.36	0.26	5.17	5.17	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.03	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.18	N	Pond 8-2	100	0	0.00	0.00	0.18	0.18	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	6.01	N	Pond 8-2	100	0	0.00	0.00	6.01	6.01	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.24	N	Pond 8-2	100	0	0.00	0.00	0.24	0.24	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	15.78	WP	Pond 1-3 Pond 8-2	100	20	3.16	0.00	12.63	6.31	0.00	6.31	0.00
13P1810B-182rD	13P1810B	5	10.0	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.78	WP	Pond 1-3 Pond 8-2	100	20	0.16	0.00	0.63	0.31	0.00	0.31	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.09	N	Pond 8-2	100	0	0.00	0.02	0.07	0.07	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	12.68	N	Pond 8-2	100	0	0.00	1.86	10.81	10.81	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Pond 8-2	100	0	0.00	0.04	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	N	Pond 8-2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 8-2	100	0	0.00	0.25	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.91	W	Pond 1-3 Pond 8-2	100	0	0.00	0.88	3.03	1.51	0.00	1.51	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	25.28	W	Pond 1-3 Pond 8-2	100	0	0.00	1.67	23.61	11.80	0.00	11.80	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	1.59	W	Pond 1-3 Pond 8-2	100	0	0.00	0.33	1.26	0.63	0.00	0.63	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.29	W	Pond 1-3 Pond 8-2	100	0	0.00	0.34	0.00	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.18	0.00	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	34.13	L	Pond 1-3 Pond 8-2	100	0	0.00	25.62	8.50	4.25	0.00	4.25	0.00
13P1900B-140W	13P1900B	5	25.9	0.0	0.85	1.40	1.52	1.83	9.01	7.08	4.72	3.14	1.92	4.83	36.30	0.76	0.01	L	Pond 1-3 Pond 8-2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13P1900B-186D	13P1900B	5	25.9	0.1	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	L	Pond 1-3 Pond 8-2	100	0	0.00	0.11	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.70	L	Pond 1-3 Pond 8-2	100	0	0.00	0.45	0.24	0.12	0.00	0.12	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	17.19	L	Pond 1-3 Pond 8-2	100	0	0.00	11.16	6.03	3.01	0.00	3.01	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	18.09	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	1.47	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.74	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	2.74	1.37	0.00	1.37	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.33	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.33	0.17	0.00	0.17	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	5.22	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	5.22	2.61	0.00	2.61	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	26.24	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	26.24	13.12	0.00	13.12	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.12	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.12	0.06	0.00	0.06	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.15	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.15	0.07	0.00	0.07	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.22	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.22	0.11	0.00	0.11	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.27	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.27	0.14	0.00	0.14	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.27	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.27	0.13	0.00	0.13	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.20	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	17.20	8.60	0.00	8.60	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.06	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.06	0.03	0.00	0.03	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	12.91	L	Pond 1-3 Pond 8-2	100	0	0.00	19.27	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.19	L	Pond 1-3 Pond 8-2	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.55	L	Pond 1-3 Pond 8-2	100	0	0.00	23.85	30.70	15.35	0.00	15.35	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.03	L	Pond 1-3 Pond 8-2	100	0	0.00	0.26	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.26	L	Pond 1-3 Pond 8-2	100	0	0.00	0.85	1.40	0.70	0.00	0.70	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	40.92	L	Pond 1-3 Pond 8-2	100	0	0.00	15.47	25.45	12.72	0.00	12.72	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	3.21	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	0.68	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	17.03	WP	Pond 1-3 Pond 8-2	100	20	3.41	0.00	13.62	6.81	0.00	6.81	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.53	WP	Pond 1-3 Pond 8-2	100	20	0.11	0.00	0.43	0.21	0.00	0.21	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.60	WP	Pond 1-3 Pond 8-2	100	20	2.12	0.00	8.48	4.24	0.00	4.24	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.46	WP	Pond 1-3 Pond 8-2	100	20	0.09	0.00	0.37	0.18	0.00	0.18	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	10.89	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	10.89	5.45	0.00	5.45	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.11	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.11	0.05	0.00	0.05	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2600B-110D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.00	0.09	0.24	0.24	0.21	0.15	0.49	1.42	0.03	0.24	L	Pond 1-3 Pond 8-2	100	0	0.00	3.13	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.38	L	Pond 1-3 Pond 8-2	100	0	0.00	0.85	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	126.56	L	Pond 1-3 Pond 8-2	100	0	0.00	226.67	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	1.03	L	Pond 1-3 Pond 8-2	100	0	0.00	1.24	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	2.39	L	Pond 1-3 Pond 8-2	100	0	0.00	1.27	1.12	0.56	0.00	0.56	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	123.58	L	Pond 1-3 Pond 8-2	100	0	0.00	64.82	58.76	29.38	0.00	29.38	0.00
13P2600B-155D	13P2600B	5	344.8	2.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.59	L	Pond 1-3 Pond 8-2	100	0	0.00	3.11	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.16	L	Pond 1-3 Pond 8-2	100	0	0.00	7.33	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	5.54	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	9.14	L	Pond 1-3 Pond 8-2	100	0	0.00	4.15	4.99	2.50	0.00	2.50	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	419.99	L	Pond 1-3 Pond 8-2	100	0	0.00	190.54	229.45	114.72	0.00	114.72	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	16.37	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	4.30	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.86	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.86	0.43	0.00	0.43	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	14.52	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	14.52	7.26	0.00	7.26	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.43	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.43	0.21	0.00	0.21	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	8.70	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	8.70	4.35	0.00	4.35	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.20	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.20	0.10	0.00	0.10	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	20.02	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	20.02	10.01	0.00	10.01	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.28	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.28	0.14	0.00	0.14	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	4.62	DP	Pond 1-3 Pond 8-2	100	80	3.70	0.00	0.92	0.46	0.00	0.46	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	4.84	W	Pond 1-3 Pond 8-2	100	0	0.00	2.41	2.43	1.22	0.00	1.22	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.61	W	Pond 1-3 Pond 8-2	100	0	0.00	0.65	0.96	0.48	0.00	0.48	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	0.34	0.54	0.60	0.73	3.72	3.00	2.03	1.36	0.84	2.11	15.27	0.32	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.14	W	Pond 1-3 Pond 8-2	100	0	0.00	0.02	0.12	0.06	0.00	0.06	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	37.85	W	Pond 1-3 Pond 8-2	100	0	0.00	4.46	33.40	16.70	0.00	16.70	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.44	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.06	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.58	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.19	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.43	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	5.94	W	Pond 1-3 Pond 8-2	100	0	0.00	11.32	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.75	W	Pond 1-3 Pond 8-2	100	0	0.00	2.69	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	9.64	W	Pond 1-3 Pond 8-2	100	0	0.00	4.34	5.30	2.65	0.00	2.65	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.07	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	3.36	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	2.41	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	10.01	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	11.54	W	Pond 1-3 Pond 8-2	100	0	0.00	6.62	4.93	2.46	0.00	2.46	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.65	W	Pond 1-3 Pond 8-2	100	0	0.00	0.76	0.88	0.44	0.00	0.44	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.44	W	Pond 1-3 Pond 8-2	100	0	0.00	0.06	0.38	0.19	0.00	0.19	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.05	W	Pond 1-3 Pond 8-2	100	0	0.00	1.75	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	1.06	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.37	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	1.23	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	59.34	L	Pond 1-3 Pond 8-2	100	0	0.00	9.66	49.68	24.84	0.00	24.84	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	0.51	0.84	0.91	1.09	5.35	4.19	2.81	1.89	1.17	3.06	21.81	0.46	0.38	L	Pond 1-3 Pond 8-2	100	0	0.00	0.03	0.35	0.18	0.00	0.18	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	68.26	L	Pond 1-3 Pond 8-2	100	0	0.00	4.83	63.43	31.71	0.00	31.71	0.00
13P2800B-140D	13P2800B	5	151.5	18.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	54.63	L	Pond 1-3 Pond 8-2	100	0	0.00	2.61	52.03	26.01	0.00	26.01	0.00
13P2800B-170D	13P2800B	5	151.5	4.4	0.24	0.39	0.43	0.52	2.58	2.13	1.48	1.01	0.63	1.67	11.08	0.23	4.08	L	Pond 1-3 Pond 8-2	100	0	0.00	0.62	3.46	1.73	0.00	1.73	0.00
13P2800B-186A	13P2800B	5	151.5	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.14	0.00	0.03	L	Pond 1-3 Pond 8-2	100	0	0.00	0.35	0.00	0.00	0.00	0.00	0.00
13P2800B-186D	13P2800B	5	151.5	16.2	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	2.73	L	Pond 1-3 Pond 8-2	100	0	0.00	2.26	0.47	0.23	0.00	0.23	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	% from Grassy 50 Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	% from Grassy 50 Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13P2800B-500D	13P2800B	5	151.5	4.6	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	15.49	L	Pond 1-3 Pond 8-2	100	0	0.00	0.64	14.85	7.43	0.00	7.43	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	0.15	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	16.37	L	Pond 1-3 Pond 8-2	100	0	0.00	0.00	16.37	8.18	0.00	8.18	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	9.26	L	Pond 1-3 Pond 8-2	100	0	0.00	0.00	9.26	4.63	0.00	4.63	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.67	L	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.67	0.33	0.00	0.33	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	L	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	40.72	WP	Pond 1-3 Pond 8-2	100	20	8.14	0.00	32.57	16.29	0.00	16.29	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	4.20	WP	Pond 1-3 Pond 8-2	100	20	0.84	0.00	3.36	1.68	0.00	1.68	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	2.33	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	2.33	1.17	0.00	1.17	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	2.19	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	2.19	1.10	0.00	1.10	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.01	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.01	0.00	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	27.85	WP	Pond 1-3 Pond 8-2	100	20	5.57	0.00	22.28	11.14	0.00	11.14	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	16.02	WP	Pond 1-3 Pond 8-2	100	20	3.20	0.00	12.81	6.41	0.00	6.41	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	0.00	0.00	0.00	0.00	0.15	0.35	0.35	0.29	0.21	0.67	2.02	0.04	0.01	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	6.47	WP	Pond 1-3 Pond 8-2	100	20	1.29	0.00	5.18	2.59	0.00	2.59	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.10	W	Pond 1-3 Pond 8-2	100	0	0.00	0.95	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	0.17	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	W	Pond 1-3 Pond 8-2	100	0	0.00	7.38	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.03	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.03	0.01	0.00	0.01	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.27	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	1.27	0.63	0.00	0.63	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.02	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.02	0.01	0.00	0.01	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.14	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.14	0.07	0.00	0.07	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	0.02	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.02	0.01	0.00	0.01	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	2.44	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	2.44	1.22	0.00	1.22	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	0.19	0.32	0.34	0.41	2.02	1.58	1.05	0.71	0.44	1.23	8.31	0.17	0.18	WP	Pond 1-3 Pond 8-2	100	20	0.04	0.00	0.14	0.07	0.00	0.07	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	1.01	WP	Pond 1-3 Pond 8-2	100	20	0.20	0.00	0.81	0.40	0.00	0.40	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.03	WP	Pond 1-3 Pond 8-2	100	20	0.01	0.00	0.02	0.01	0.00	0.01	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.42	WP	Pond 1-3 Pond 8-2	100	20	0.08	0.00	0.33	0.17	0.00	0.17	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.05	WP	Pond 1-3 Pond 8-2	100	20	0.01	0.00	0.04	0.02	0.00	0.02	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	1.86	WP	Pond 1-3 Pond 8-2	100	20	0.37	0.00	1.49	0.75	0.00	0.75	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	5.91	WP	Pond 1-3 Pond 8-2	100	20	1.18	0.00	4.73	2.36	0.00	2.36	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.89	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	3.89	1.95	0.00	1.95	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	1.26	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	1.26	0.63	0.00	0.63	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.97	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	3.97	1.99	0.00	1.99	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.11	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.11	0.05	0.00	0.05	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	6.97	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	6.97	3.48	0.00	3.48	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.43	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.43	0.22	0.00	0.22	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.03	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.03	0.01	0.00	0.01	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.02	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.02	0.01	0.00	0.01	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.00	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.09	N	Pond 1-3 Pond 8-2	100	0	0.00	0.00	0.09	0.05	0.00	0.05	0.00

Appendix C.7: Runoff Calculations - Design Scenario 3

Rainfall Event Range* (inches)	0.11-0.20	0.21-0.30	0.31-0.40	0.41-0.50	0.51-1.00	1.01-1.50	1.51-2.00	2.01-2.50	2.51-3.00	>3.00
Rainfall Interval Point* (inches)	0.152	0.252	0.353	0.456	0.716	1.225	1.725	2.228	2.702	4.425
Number of Annual Events in Range*	18.516	10.371	6.79	5.79	16.387	7.032	3.242	1.645	0.823	1.242
Annual Average Rainfall Depth in Range	2.81	2.61	2.40	2.64	11.73	8.61	5.59	3.67	2.22	5.50

* Referenced from Queens Mirror Lake and the Triplet Chain-of-Lakes Hydrologic/Nutrient Budgets and Management Options Final Report, Environmental Research and Design, 2012.

Cumulative Rainfall (inches)	Cumulative ARV
47.79	2830

Cumulative Values			Cumulative Net ARVs			
441	1340	1724	971	44	647	51
			% from Grassy 50		% from Grassy 50	

Sub Area ID	Subbasin Name	Lake System	Subbasin Area (acres)	Sub Area (acres)	SubArea Runoff Volume from Each Rainfall Interval (inches)										Sub-Area Annual Runoff (inches/year)	Sub-Area Runoff Coefficient	Sub-Area Annual Runoff Volume Generated (ac-ft/year)	Feature Type	Condition	Subbasin Coverage (%)	Volume Attenuated (%)	Volume Attenuated (ac-ft/year)	Volume Lost to Evap. & Recharge (ac-ft/year)	Net Runoff to Lake System (ac-ft/year)	Net ARV to LAKE 1 (QM) (ac-ft/year)	Net ARV to LAKE 2 (SLT) (ac-ft/year)	Net ARV to LAKE 3 (MLT) (ac-ft/year)	Net ARV to LAKE 4 (NLT) (ac-ft/year)
13Q0924B-120D	13Q0924B	5	5.1	4.2	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.64	WP	Pond 1-3 Pond 8-2	100	20	0.73	0.00	2.91	1.46	0.00	1.46	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.01	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.01	0.01	0.00	0.01	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	3.41	WP	Pond 1-3 Pond 8-2	100	20	0.68	0.00	2.73	1.36	0.00	1.36	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	0.96	1.58	1.72	2.06	10.09	7.91	5.27	3.50	2.14	5.37	40.61	0.85	3.28	WP	Pond 1-3 Pond 8-2	100	20	0.66	0.00	2.63	1.31	0.00	1.31	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	0.83	WP	Pond 1-3 Pond 8-2	100	20	0.17	0.00	0.66	0.33	0.00	0.33	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	0.65	WP	Pond 1-3 Pond 8-2	100	20	0.13	0.00	0.52	0.26	0.00	0.26	0.00
13Q1100B-155D	13Q1100B	5	2.2	0.8	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.23	WP	Pond 1-3 Pond 8-2	100	20	0.05	0.00	0.18	0.09	0.00	0.09	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.01	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.18	WP	Pond 1-3 Pond 8-2	100	20	0.04	0.00	0.15	0.07	0.00	0.07	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.94	WP	Pond 1-3 Pond 8-2	100	20	0.19	0.00	0.75	0.38	0.00	0.38	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	0.19	0.32	0.34	0.42	2.20	1.97	1.43	1.01	0.64	1.77	10.29	0.22	4.75	WP	Pond 1-3 Pond 8-2	100	20	0.95	0.00	3.80	1.90	0.00	1.90	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	0.51	0.84	0.91	1.10	5.58	4.60	3.16	2.15	1.34	3.48	23.67	0.50	4.66	WP	Pond 1-3 Pond 8-2	100	20	0.93	0.00	3.73	1.86	0.00	1.86	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	0.82	1.34	1.46	1.75	8.58	6.72	4.48	2.98	1.83	4.62	34.59	0.72	0.11	WP	Pond 1-3 Pond 8-2	100	20	0.02	0.00	0.08	0.04	0.00	0.04	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	0.82	1.34	1.46	1.75	8.64	6.84	4.58	3.06	1.88	4.75	35.12	0.73	30.98	WP	Pond 1-3 Pond 8-2	100	20	6.20	0.00	24.78	12.39	0.00	12.39	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.30	0.37	0.01	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	0.00	0.00	0.00	0.01	0.33	0.63	0.60	0.49	0.34	1.07	3.48	0.07	0.11	WP	Pond 1-3 Pond 8-2	100	20	0.02	0.00	0.09	0.04	0.00	0.04	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.02	0.06	0.07	0.06	0.04	0.15	0.41	0.01	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	WP	Pond 1-3 Pond 8-2	100	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix C
Design Condition
Pollutant Loading Calculations

C.8 Pollutant Load Calculations – Design Scenario 3

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	50
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	50
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
							2830	1724	8321	1310	422.0	232.0						1926.6	460.0	5972.0	618.1	3681.5	391.0	141.2	10.5	1996.4	202.7	149.3	13.7
13L0800B-120A	13L0800B	4	35.0	9.6	120	Medium Density Residential	6.62	2.08	11.68	1.85	5.47	1.85	L	100	Existing	36	62	2.23	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00
13L0800B-120D	13L0800B	4	35.0	9.2	120	Medium Density Residential	7.86	3.50	19.70	3.11	5.22	3.11	L	100	Existing	36	62	5.21	0.00	9.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27	0.00
13L0800B-130A	13L0800B	4	35.0	0.2	130	High Density Residential	0.39	0.29	1.83	0.41	0.09	0.06	L	100	Existing	36	62	0.63	0.22	1.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.13
13L0800B-130D	13L0800B	4	35.0	0.9	130	High Density Residential	1.79	1.36	8.56	1.92	0.00	0.00	L	100	Existing	36	62	3.08	1.19	5.48	0.73	0.00	0.00	0.00	0.00	0.00	0.00	5.48	0.73
13L0800B-140A	13L0800B	4	35.0	0.2	140	Commercial	0.52	0.43	2.84	0.41	0.00	0.00	L	100	Existing	36	62	1.02	0.25	1.82	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.16
13L0800B-140D	13L0800B	4	35.0	0.4	140	Commercial	1.10	0.92	6.01	0.86	0.00	0.00	L	100	Existing	36	62	2.16	0.54	3.84	0.33	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.33
13L0800B-186D	13L0800B	4	35.0	7.0	186	Recreational 2 (Parks w/facilities)	1.17	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	500	Water	1.38	1.18	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-600D	13L0800B	4	35.0	4.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	8100	Transportation	3.00	2.54	9.45	1.15	0.69	0.45	L	100	Existing	36	62	3.15	0.44	5.61	0.27	0.00	0.00	0.00	0.00	0.00	0.00	5.61	0.27
13L0801B-120A	13L0801B	4	26.1	0.3	120	Medium Density Residential	0.18	0.04	0.20	0.03	0.00	0.00	DP	100	Existing	80	80	0.16	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01
13L0801B-120D	13L0801B	4	26.1	7.4	120	Medium Density Residential	6.32	1.26	7.11	1.12	1.06	0.68	DP	100	Existing	80	80	4.84	0.36	1.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.09
13L0801B-130A	13L0801B	4	26.1	9.3	130	High Density Residential	16.92	3.38	21.35	4.79	7.09	4.55	DP	100	Existing	80	80	11.41	0.19	2.85	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.05
13L0801B-130D	13L0801B	4	26.1	1.2	130	High Density Residential	2.39	0.48	3.02	0.68	0.72	0.46	DP	100	Existing	80	80	1.84	0.17	0.46	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.04
13L0801B-140A	13L0801B	4	26.1	4.7	140	Commercial	13.48	2.70	17.59	2.53	0.00	0.00	DP	100	Existing	80	80	14.08	2.02	3.52	0.51	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.51
13L0801B-140D	13L0801B	4	26.1	0.4	140	Commercial	1.05	0.21	1.37	0.20	0.06	0.04	DP	100	Existing	80	80	1.04	0.12	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.03
13L0801B-186A	13L0801B	4	26.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	186	Recreational 2 (Parks w/facilities)	0.44	0.09	0.38	0.05	0.38	0.05	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0801B-430A	13L0801B	4	26.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	120	Medium Density Residential	0.40	0.32	1.78	0.28	0.10	0.06	WP	100	Existing	36	62	0.61	0.14	1.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.08
13L0820B-120D	13L0820B	4	24.7	7.8	120	Medium Density Residential	6.69	5.35	30.13	4.76	0.87	0.56	WP	100	Existing	36	62	10.53	2.60	18.73	1.60	0.00	0.00	0.00	0.00	0.00	0.00	18.73	1.60
13L0820B-130A	13L0820B	4	24.7	2.4	130	High Density Residential	4.31	3.45	21.74	4.87	0.00	0.00	WP	100	Existing	36	62	7.83	3.02	13.91	1.85	0.00	0.00	0.00	0.00	0.00	0.00	13.91	1.85
13L0820B-130D	13L0820B	4	24.7	4.7	130	High Density Residential	9.20	7.36	46.45	10.41	0.00	0.00	WP	100	Existing	36	62	16.72	6.45	29.73	3.96	0.00	0.00	0.00	0.00	0.00	0.00	29.73	3.96
13L0820B-140D	13L0820B	4	24.7	4.6	140	Commercial	13.56	10.85	70.81	10.18	0.00	0.00	WP	100	Existing	36	62	25.49	6.31	45.32	3.87	0.00	0.00	0.00	0.00	0.00	0.00	45.32	3.87
13L0820B-186D	13L0820B	4	24.7	3.6	186	Recreational 2 (Parks w/facilities)	0.61	0.49	2.14	0.25	0.50	0.25	WP	100	Existing	36	62	0.59	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00
13L0820B-500D	13L0820B	4	24.7	1.0	500	Water	3.42	2.74	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-120A	13L1000B	3	59.8	4.0	120	Medium Density Residential	2.79	1.93	10.89	1.72	1.09	0.70	L	100	Existing	36	62	3.53	0.63	6.27	0.39	0.00	0.00	0.00	0.00	6.27	0.39	0.00	0.00
13L1000B-120D	13L1000B	3	59.8	26.8	120	Medium Density Residential	22.93	17.23	97.00	15.32	8.17	5.24	L	100	Existing	36	62	31.98	6.25	56.86	3.83	0.00	0.00	0.00	0.00	56.86	3.83	0.00	0.00
13L1000B-182rA	13L1000B	3	59.8	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	182r	Golf Course (w/Reclaimed Irrigation)	0.19	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	186	Recreational 2 (Parks w/facilities)	0.09	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	8100	Transportation	3.58	3.33	12.41	1.51	2.93	1.51	L	100	Existing	36	62	3.41	0.00	6.07	0.00	0.00	0.00	0.00	0.00	6.07	0.00	0.00	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	120	Medium Density Residential	0.36	0.29	1.61	0.25	0.38	0.25	GCP-3	100	Existing	41	72	0.51	0.01	0.72	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	120	Medium Density Residential	4.73	3.78	21.29	3.36	2.91	1.86	GCP-3	100	Existing	41	72	7.60	1.08	10.78	0.42	0.00	0.00	10.78	0.42	0.00	0.00	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.36	0.06	0.00	0.00	GCP-3	100	Existing	41	72	0.15	0.04	0.21	0.02	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	GCP-3	100	Existing	41	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	120	Medium Density Residential	1.96	1.57	8.83	1.40	0.63	0.41	WP	100	Existing	36	62	2.95	0.61	5.25	0.38	0.00	0.00	5.25	0.38	0.00	0.00	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	120	Medium Density Residential	3.84	3.07	17.31	2.73	2.05	1.32	WP	100	Existing	36	62	5.49	0.88	9.76	0.54	0.00	0.00	9.76	0.54	0.00	0.00	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	500	Water	2.70	2.16	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	110	Low Density Residential	0.06	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	120	Medium Density Residential	19.73	11.98	67.46	10.66	12.07	7.74	W	100	Existing	20	30	11.08	0.87	44.31	2.04	0.00	0.00	0.00	0.00	44.31	2.04	0.00	0.00
13L1020B-130D	13L1020B	3	26.6	0.0	130	High Density Residential	0.01	0.01	0.04	0.01	0.00	0.00	W	100	Existing	20	30	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
13L1020B-182rD	13L1020B	3	26.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	120	Medium Density Residential	0.11	0.11	0.59	0.09	0.00	0.00	L	100	Existing	36	62	0.21	0.06	0.38	0.04	0.00	0.00	0.38	0.04	0.00	0.00	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	120	Medium Density Residential	24.79	23.32	131.27	20.74	3.55	2.28	L	100	Existing	36	62	45.98	11.44	81.74	7.01	0.00	0.00	81.74	7.01	0.00	0.00	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	182r	Golf Course (w/Reclaimed Irrigation)	0.25	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	500	Water	0.01	0.01	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	120	Medium Density Residential	4.25	3.40	19.15	3.03	2.97	1.91	Pond 2-3	100	Alt. #3	42	74	6.78	0.83	9.40	0.29	0.00	0.00	9.40	0.29	0.00	0.00	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	120	Medium Density Residential	0.77	0.62	3.47	0.55	1.44	0.55	Pond 2-3	100	Alt. #3	42	74	0.85	0.00	1.17	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.01	0.00	0.01	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.50	0.08	0.50	0.08	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	120	Medium Density Residential	1.57	1.25	7.05	1.11	3.47	1.11	GCP-11	100	Existing	23	51	0.83	0.00	2.75	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	120	Medium Density Residential	3.91	3.13	17.61	2.78	0.46	0.29	GCP-11	100	Existing	23	51	3.99	1.27	13.16	1.22	0.00	0.00	13.16	1.22	0.00	0.00	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.00	0.03	0.00	0.03	0.00	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.03	0.19	0.03	0.19	0.03	GCP-11	100	Existing	23	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	120	Medium Density Residential	1.18	1.18	6.63	1.05	0.75	0.48	N	100	Existing	0	0	0.00	0.00	5.88	0.57	0.00	0.00	5.88	0.57	0.00	0.00	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.01	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	120	Medium Density Residential	1.47	1.47	8.27	1.31	2.46	1.31	L	100	Existing	36	62	2.09	0.00	3.72	0.00	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	120	Medium Density Residential	22.88	22.88	128.77	20.34	10.54	6.76	L	100	Existing	36	62	42.56	8.42	75.67	5.16	75.67	5.16	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.05	0.34	0.06	0.00	0.00	L	100	Existing	36	62	0.12	0.03	0.22	0.02	0.22	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	500	Water	0.21	0.21	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	120	Medium Density Residential	0.54	0.43	2.43	0.38	1.67	0.38	GCP-7A	100	Existing	41	71	0.31	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.07	0.46	0.08	0.46	0.08	GCP-7A	100	Existing	41	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	500	Water	1.09	0.88	0.00	0.00	0.00	0.00	GCP-7A	100	Existing	41	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	GCP-7A	100	Existing	41	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	120	Medium Density Residential	2.03	0.41	2.28	0.36	1.33	0.36	DP	100	Existing	80	80	0.76	0.00	0.19	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	170	Institutional	15.98	3.20	13.99	1.66	0.00	0.00	DP	100	Existing	80	80	11.19	1.33	2.80	0.33	2.80	0.33	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	120	Medium Density Residential	7.11	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	170	Institutional	5.03	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	120	Medium Density Residential	42.15	42.15	237.28	37.48	34.32	22.01	N	100	Existing	0	0	0.00	0.00	202.96	15.47	202.96	15.47	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	130	High Density Residential	5.96	5.96	37.60	8.43	0.00	0.00	N	100	Existing	0	0	0.00	0.00	37.60	8.43	37.60	8.43	0.00	0.00	0.00	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	140	Commercial	29.17	29.17	190.35	27.36	4.18	2.68	N	100	Existing

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	50
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	50
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area	Sub Area	Land Use Code	Simplified Land Use	Gross Runoff	Net Runoff	Gross Total N	Gross Total P	Street Sweeping Total N Removed	Street Sweeping Total P Removed	Treatment Feature Type	Treatment Coverage	Existing or Proposed Feature	Total N Removal Efficiency	Total P Removal Efficiency	Total N Removed	Total P Removed	Net Total N	Net Total P	Total N Load to Lake 1 (QM)	Total P Load to Lake 1 (QM)	Total N Load to Lake 2 (SLT)	Total P Load to Lake 2 (SLT)	Total N Load to Lake 3 (MLT)	Total P Load to Lake 3 (MLT)	Total N Load to Lake 4 (NLT)	Total P Load to Lake 4 (NLT)
			(acres)	(acres)			(ac-ft/yr)	(ac-ft/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	-	-	-	(%)	(%)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)	(lbs/yr)
13L1876B-186D	13L1876B	1	66.8	3.5	186	Recreational 2 (Parks w/facilities)	0.59	0.59	2.58	0.31	0.44	0.29	N	100	Existing	0	0	0.00	0.00	2.14	0.02	2.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	120	Medium Density Residential	27.33	21.86	123.05	19.44	21.61	13.86	Pond 7AB-2	100	Alt. #3	42	75	42.76	4.20	58.69	1.38	58.69	1.38	0.00	0.00	0.00	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	120	Medium Density Residential	15.37	12.29	69.19	10.93	13.53	8.68	Pond 7AB-2	100	Alt. #3	42	75	23.46	1.69	32.20	0.56	32.20	0.56	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	120	Medium Density Residential	16.05	12.84	72.26	11.41	9.13	5.86	Pond 7AB-2	100	Alt. #3	42	75	26.61	4.18	36.52	1.38	36.52	1.38	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	170	Institutional	5.53	4.42	19.36	2.30	0.00	0.00	Pond 7AB-2	100	Alt. #3	42	75	8.16	1.73	11.20	0.57	11.20	0.57	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.06	0.05	0.35	0.06	0.00	0.00	Pond 7AB-2	100	Alt. #3	42	75	0.15	0.04	0.20	0.01	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 7AB-2	100	Alt. #3	42	75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	120	Medium Density Residential	3.49	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	120	Medium Density Residential	7.96	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	182r	Golf Course (w/Reclaimed Irrigation)	0.15	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	120	Medium Density Residential	1.99	1.99	11.19	1.77	1.96	1.25	N	100	Pond 8-2	0	0	0.00	0.00	9.24	0.51	9.24	0.51	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.07	0.45	0.07	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	0.45	0.07	0.45	0.07	0.00	0.00	0.00	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	120	Medium Density Residential	41.78	41.78	235.18	37.15	38.44	24.65	N	100	Pond 8-2	0	0	0.00	0.00	196.74	12.50	196.74	12.50	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	140	Commercial	29.50	29.50	192.51	27.67	5.52	3.54	N	100	Pond 8-2	0	0	0.00	0.00	186.99	24.13	186.99	24.13	0.00	0.00	0.00	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	186	Recreational 2 (Parks w/facilities)	0.16	0.16	0.69	0.08	0.11	0.07	N	100	Pond 8-2	0	0	0.00	0.00	0.58	0.01	0.58	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	120	Medium Density Residential	3.15	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	182r	Golf Course (w/Reclaimed Irrigation)	0.20	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	120	Medium Density Residential	2.97	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	182r	Golf Course (w/Reclaimed Irrigation)	0.09	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	120	Medium Density Residential	8.90	8.90	50.12	7.92	7.74	4.96	N	100	Pond 8-2	0	0	0.00	0.00	42.38	2.95	42.38	2.95	0.00	0.00	0.00	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	120	Medium Density Residential	7.93	7.93	44.63	7.05	6.11	3.92	N	100	Pond 8-2	0	0	0.00	0.00	38.52	3.13	38.52	3.13	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	120	Medium Density Residential	24.52	24.52	138.03	21.80	17.78	11.40	N	100	Pond 8-2	0	0	0.00	0.00	120.25	10.40	120.25	10.40	0.00	0.00	0.00	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	140	Commercial	1.84	1.84	11.99	1.72	0.71	0.46	N	100	Pond 8-2	0	0	0.00	0.00	11.28	1.27	11.28	1.27	0.00	0.00	0.00	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	120	Medium Density Residential	3.86	3.86	21.70	3.43	2.75	1.76	N	100	Pond 8-2	0	0	0.00	0.00	18.95	1.66	18.95	1.66	0.00	0.00	0.00	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	120	Medium Density Residential	16.70	16.70	94.02	14.85	12.56	8.05	N	100	Pond 8-2	0	0	0.00	0.00	81.46	6.80	81.46	6.80	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	120	Medium Density Residential	2.12	1.70	9.56	1.51	0.00	0.00	WP	100	Pond 8-2	36	62	3.44	0.94	6.12	0.57	6.12	0.57	0.00	0.00	0.00	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	500	Water	2.10	1.68	0.00	0.00	0.00	0.00	WP	100	Pond 8-2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	120	Medium Density Residential	3.66	3.66	20.60	3.25	4.06	2.60	N	100	Pond 8-2	0	0	0.00	0.00	16.54	0.65	16.54	0.65	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	120	Medium Density Residential	2.59	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	130	High Density Residential	5.72	1.33	8.39	1.88	2.35	1.51	W	100	Pond 8-2	20	30	1.21	0.11	4.83	0.26	4.83	0.26	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	140	Commercial	1.16	0.55	3.60	0.52	0.00	0.00	W	100	Pond 8-2	20	30	0.72	0.16	2.88	0.36	2.88	0.36	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	140	Commercial	7.06	3.41	22.25	3.20	1.93	1.24	W	100	Pond 8-2	20	30	4.06	0.59	16.26	1.37	16.26	1.37	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	186	Recreational 2 (Parks w/facilities)	0.25	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	120	Medium Density Residential	0.76	0.60	3.40	0.54	0.00	0.00	WP	100	Pond 8-2	36	62	1.22	0.33	2.18	0.20	2.18	0.20	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	120	Medium Density Residential	0.99	0.79	4.47	0.71	0.00	0.00	WP	100	Pond 8-2	36	62	1.61	0.44	2.86	0.27	2.86	0.27	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	130	High Density Residential	26.35	21.08	132.98	29.81	0.00	0.00	WP	100	Pond 8-2	36	62	47.87	18.48	85.10	11.33	85.10	11.33	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	130	High Density Residential	0.83	0.66	4.19	0.94	0.00	0.00	WP	100	Pond 8-2	36	62	1.51	0.58	2.68	0.36	2.68	0.36	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	140	Commercial	0.02	0.02	0.12	0.02	0.00	0.00	WP	100	Pond 8-2	36	62	0.04	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Pond 8-2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	130	High Density Residential	0.01	0.00	0.02	0.00	0.00	0.00	DP	100	Pond 8-2	80	80	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	130	High Density Residential	0.08	0.02	0.10	0.02	0.00	0.00	DP	100	Pond 8-2	80	80	0.08	0.02	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	140	Commercial	1.12	0.22	1.46	0.21	0.00	0.00	DP	100	Pond 8-2	80	80	1.17	0.17	0.29	0.04	0.29	0.04	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	140	Commercial	10.94	2.19	14.28	2.05	0.00	0.00	DP	100	Pond 8-2	80	80	11.42	1.64	2.86	0.41	2.86	0.41	0.00	0.00	0.00	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Pond 8-2	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	130	High Density Residential	0.18	0.04	0.22	0.05	0.00	0.00	DP	100	Pond 8-2	80	80	0.18	0.04	0.04	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	140	Commercial	38.86	7.77	50.72	7.29	0.00	0.00	DP	100	Pond 8-2	80	80	40.58	5.83	10.14	1.46	10.14	1.46	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	140	Commercial	2.13	0.43	2.78	0.40	0.00	0.00	DP	100	Pond 8-2	80	80	2.23	0.32	0.56	0.08	0.56	0.08	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Pond 8-2	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Pond 8-2	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	120	Medium Density Residential	0.35	0.35	1.94	0.31	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	1.94	0.31	1.94	0.31	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	130	High Density Residential	6.13	6.13	38.68	8.67	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	38.68	8.67	38.68	8.67	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	140	Commercial	1.01	1.01	6.56	0.94	0.20	0.13	C	100	Pond 8-2	0	0	0.00	0.00	6.36	0.81	6.36	0.81	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	500	Water	2.07	2.07	0.00	0.00	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	120	Medium Density Residential	4.28	3.43	19.29	3.05	2.83	1.81	WP	100	Pond 8-2	36	62	5.93	0.76	10.53	0.47	10.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	130	High Density Residential	0.02	0.01	0.08	0.02	0.04	0.02	WP	100	Pond 8-2	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.05	0.01	0.00	0.00	WP	100	Pond 8-2	36	62	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	140	Commercial	0.50	0.40	2.63	0.38	0.00	0.00	WP	100	Pond 8-2	36	62	0.95	0.23	1.69	0.14	1.69	0.14	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	140	Commercial	60.81	48.65	317.50	45.64	0.00	0.00	WP	100	Pond 8-2	36	62	114.30	28.30	203.20	17.34	203.20	17.34	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	186	Recreational 2 (Parks w/facilities)	0.04	0.03	0.13	0.02	0.00	0.00	WP	100	Pond 8-2	36	62	0.05	0.01	0.08	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	190	Open Land	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Pond 8-2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Pond 8-2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	500	Water	9.05	7.24	0.00	0.00	0.00	0.00	WP	100	Pond 8-2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Pond 8-2	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.01	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.03	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	130	High Density Residential	2.69	2.69	16.95	3.80	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	16.95	3.80	16.95	3.80	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	140	Commercial	0.10	0.10	0.67	0.10	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.67	0.10	0.67	0.10	0.00	0.00	0.00	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	500	Water	0.78	0.78	0.00	0.00	0.00	0.00	C	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	120	Medium Density Residential	0.01	0.00	0.01	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	120	Medium Density Residential	0.72	0.26	1.44	0.23	0.00	0.00	W	100	Pond 8-2	20	30	0.29	0.07	1.15	0.16	1.15	0.16	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-130A	13L3140B	1	38.1	0.3	130	High Density Residential	0.54	0.37	2.37	0.53	0.00	0.00	W	100	Pond 8-2	20	30	0.47	0.16	1.89	0.37	1.89	0.37	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	140	Commercial	14.22	11.50	75.08	10.79	0.00	0.00	W	100	Pond 8-2	20	30	15.02	3.24	60.07	7.56	60.07	7.56	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	140	Commercial	54.14	43.95	286.85	41.23	0.00	0.00	W	100	Pond 8-2	20	30	57.37	12.37	229.48	28.86	229.48	28.86	0.00	0.00	0.00	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	50
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	50
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13L3140B-600D	13L3140B	1	38.1	5.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Pond 8-2	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	120	Medium Density Residential	2.93	2.34	13.18	2.08	1.06	0.68	WP	100	Existing	36	62	4.36	0.87	7.76	0.53	0.00	0.00	0.00	0.00	7.76	0.53	0.00	0.00
13N0050B-120D	13N0050B	3	13.3	7.4	120	Medium Density Residential	6.33	5.06	28.50	4.50	0.76	0.49	WP	100	Existing	36	62	9.99	2.49	17.75	1.53	0.00	0.00	0.00	0.00	17.75	1.53	0.00	0.00
13N0050B-182rA	13N0050B	3	13.3	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.02	0.00	0.00	0.00	WP	100	Existing	36	62	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	500	Water	1.87	1.50	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	500	Water	3.01	2.40	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	120	Medium Density Residential	2.55	2.04	11.48	1.81	0.10	0.06	WP	100	Existing	36	62	4.10	1.09	7.28	0.67	0.00	0.00	0.00	0.00	7.28	0.67	0.00	0.00
13N0100B-120D	13N0100B	3	15.6	10.1	120	Medium Density Residential	8.68	6.94	39.07	6.17	0.62	0.40	WP	100	Existing	36	62	13.84	3.58	24.61	2.19	0.00	0.00	0.00	0.00	24.61	2.19	0.00	0.00
13N0100B-500A	13N0100B	3	15.6	0.4	500	Water	1.26	1.01	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	500	Water	4.72	3.78	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	120	Medium Density Residential	0.80	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	120	Medium Density Residential	1.43	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	120	Medium Density Residential	11.70	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	500	Water	0.95	0.42	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	500	Water	33.18	14.63	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	8100	Transportation	0.27	0.11	0.40	0.05	0.22	0.05	L	100	Existing	36	62	0.06	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	120	Medium Density Residential	5.30	5.30	29.82	4.71	3.13	2.01	N	100	Existing	0	0	0.00	0.00	26.69	2.70	0.00	0.00	0.00	0.00	26.69	2.70	0.00	0.00
13N0201B-120D	13N0201B	3	9.4	0.0	120	Medium Density Residential	0.04	0.04	0.21	0.03	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.21	0.03	0.00	0.00	0.00	0.00	0.21	0.03	0.00	0.00
13N0201B-130A	13N0201B	3	9.4	0.0	130	High Density Residential	0.04	0.04	0.27	0.06	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.27	0.06	0.00	0.00	0.00	0.00	0.27	0.06	0.00	0.00
13N0201B-186A	13N0201B	3	9.4	0.3	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	186	Recreational 2 (Parks w/facilities)	0.23	0.23	1.03	0.12	0.00	0.00	N	100	Existing	0	0	0.00	0.00	1.03	0.12	0.00	0.00	0.00	0.00	1.03	0.12	0.00	0.00
13N0301B-120A	13N0301B	3	14.4	1.5	120	Medium Density Residential	1.04	0.83	4.69	0.74	0.10	0.07	GCP-4	100	Existing	36	62	1.66	0.42	2.92	0.26	0.00	0.00	0.00	0.00	2.92	0.26	0.00	0.00
13N0301B-120D	13N0301B	3	14.4	9.2	120	Medium Density Residential	7.85	6.28	35.33	5.58	6.30	4.04	GCP-4	100	Existing	36	62	10.53	0.95	18.49	0.59	0.00	0.00	0.00	0.00	18.49	0.59	0.00	0.00
13N0301B-182rA	13N0301B	3	14.4	0.6	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	GCP-4	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.09	0.58	0.10	0.02	0.02	GCP-4	100	Existing	36	62	0.20	0.05	0.36	0.03	0.00	0.00	0.00	0.00	0.36	0.03	0.00	0.00
13N0302B-120A	13N0302B	3	23.3	0.0	120	Medium Density Residential	0.03	0.02	0.14	0.02	0.14	0.02	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	120	Medium Density Residential	13.18	10.54	59.33	9.37	3.97	2.54	WP	100	Existing	36	62	19.93	4.23	35.43	2.59	0.00	0.00	0.00	0.00	35.43	2.59	0.00	0.00
13N0302B-182rD	13N0302B	3	23.3	7.9	182r	Golf Course (w/Reclaimed Irrigation)	0.27	0.22	1.46	0.24	1.46	0.24	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	120	Medium Density Residential	2.05	1.74	9.81	1.55	2.51	1.55	Pond 5-1	74.4	Alt. #3	41	69	2.21	0.00	5.09	0.00	0.00	0.00	0.00	0.00	5.09	0.00	0.00	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	120	Medium Density Residential	21.77	18.53	104.29	16.48	18.32	11.75	Pond 5-1	74.4	Alt. #3	41	69	25.99	2.44	59.99	2.29	0.00	0.00	0.00	0.00	59.99	2.29	0.00	0.00
13N0600B-430D	13N0600B	3	30.8	2.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #3	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #3	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 5-1	74.4	Alt. #3	41	69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	120	Medium Density Residential	21.75	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	500	Water	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	500	Water	16.08	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	LL	100	Existing	100	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	120	Medium Density Residential	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	120	Medium Density Residential	0.44	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	500	Water	0.02	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	Existing	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	120	Medium Density Residential	19.85	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	120	Medium Density Residential	11.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	120	Medium Density Residential	0.28	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	140	Commercial	15.39	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	140	Commercial	0.58	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	186	Recreational 2 (Parks w/facilities)	0.02	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	500	Water	0.82	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	500	Water	0.88	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	500	Water	52.05	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	120	Medium Density Residential	1.58	0.16	0.89	0.14	0.70	0.14	N	100	Existing	0	0	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	120	Medium Density Residential	13.45	1.34	7.57	1.20	6.84	1.20	N	100	Existing	0	0	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	185	Recreational 1 (Parks w/little impervious	0.16	0.02	0.07	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	120	Medium Density Residential	4.20	0.42	2.37	0.37	2.37	0.37	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	120	Medium Density Residential	1.62	0.16	0.91	0.14	0.91	0.14	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	120	Medium Density Residential	0.08	0.01	0.04	0.01	0.04	0.01	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.01	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	140	Commercial	0.56	0.06	0.36	0.05	0.00	0.00	DP	100	Existing	80	80	0.29	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	140	Commercial	8.68	0.87	5.67	0.81	0.00	0.00	DP	100	Existing	80	80	4.53	0.65	1.13	0.16	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00
13N0702B2-186A	13N0702B2	6	3.6	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	186	Recreational 2 (Parks w/facilities)	0.07	0.01	0.03	0.00	0.00	0.00	DP	100	Existing	80	80	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	DP	100	Existing	80	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	120	Medium Density Residential	8.73	0.87	4.91	0.78	4.80	0.78	N	100	Existing	0	0	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	120	Medium Density Residential	6.78	0.68	3.82	0.60	3.82	0.60	N	100	Existing	0

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	50
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	50
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13N0730B-120D	13N0730B	6	18.8	18.8	120	Medium Density Residential	16.15	1.61	9.09	1.44	9.09	1.44	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	120	Medium Density Residential	10.62	1.06	5.98	0.94	5.98	0.94	N	100	Existing	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	120	Medium Density Residential	2.40	0.24	1.35	0.21	0.00	0.00	WP	100	Existing	36	62	0.49	0.13	0.87	0.08	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00
13N0750B-600D	13N0750B	6	3.5	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	120	Medium Density Residential	38.98	3.90	21.94	3.47	21.94	3.47	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	120	Medium Density Residential	6.13	0.61	3.45	0.55	2.31	0.55	WP	100	Existing	36	62	0.41	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	185	Recreational 1 (Parks w/little impervious	0.03	0.00	0.01	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	120	Medium Density Residential	0.05	0.04	0.21	0.03	0.00	0.00	WP	100	Existing	36	62	0.08	0.02	0.14	0.01	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.00
13N0800B-120D	13N0800B	3	4.9	4.0	120	Medium Density Residential	3.47	2.77	15.61	2.47	0.08	0.05	WP	100	Existing	36	62	5.59	1.50	9.94	0.92	0.00	0.00	0.00	0.00	9.94	0.92	0.00	0.00
13N0800B-500D	13N0800B	3	4.9	0.6	500	Water	2.14	1.71	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	120	Medium Density Residential	1.42	1.14	6.41	1.01	0.00	0.00	WP	100	Existing	36	62	2.31	0.63	4.10	0.38	0.00	0.00	0.00	0.00	4.10	0.38	0.00	0.00
13N0850B-120W	13N0850B	3	4.5	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	500	Water	4.16	3.33	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-120A	13N0900B	3	7.4	0.9	120	Medium Density Residential	0.62	0.50	2.79	0.44	0.36	0.23	WP	100	Existing	36	62	0.88	0.13	1.56	0.08	0.00	0.00	0.00	0.00	1.56	0.08	0.00	0.00
13N0900B-120D	13N0900B	3	7.4	5.6	120	Medium Density Residential	4.76	3.81	21.45	3.39	2.44	1.56	WP	100	Existing	36	62	6.84	1.13	12.17	0.69	0.00	0.00	0.00	0.00	12.17	0.69	0.00	0.00
13N0900B-500D	13N0900B	3	7.4	0.9	500	Water	3.08	2.46	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	Existing	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	120	Medium Density Residential	0.80	0.80	4.52	0.71	0.25	0.16	N	100	Existing	0	0	0.00	0.00	4.26	0.55	0.00	0.00	0.00	0.00	4.26	0.55	0.00	0.00
13P0200B-120D	13P0200B	3	10.7	9.3	120	Medium Density Residential	7.97	7.97	44.85	7.08	5.92	3.80	N	100	Existing	0	0	0.00	0.00	38.92	3.29	0.00	0.00	0.00	0.00	38.92	3.29	0.00	0.00
13P0200B-182rD	13P0200B	3	10.7	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.06	0.01	0.00	0.00	N	100	Existing	0	0	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00
13P0400B-120A	13P0400B	3	2.1	0.1	120	Medium Density Residential	0.04	0.03	0.18	0.03	0.18	0.03	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	120	Medium Density Residential	0.58	0.47	2.63	0.42	0.87	0.42	Pond 2-3	100	Alt. #3	42	74	0.74	0.00	1.03	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.03	0.03	0.18	0.03	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.07	0.02	0.10	0.01	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00
13P0500B-120A	13P0500B	3	12.3	1.9	120	Medium Density Residential	1.29	0.22	1.22	0.19	0.49	0.19	Pond 2-3	100	Alt. #3	42	74	0.30	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	120	Medium Density Residential	4.97	1.44	8.09	1.28	5.82	1.28	Pond 2-3	100	Alt. #3	42	74	0.95	0.00	1.32	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	120	Medium Density Residential	1.41	1.13	6.36	1.01	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	2.67	0.74	3.70	0.26	0.00	0.00	0.00	0.00	3.70	0.26	0.00	0.00
13P0500B2-120D	13P0500B2	3	2.5	0.4	120	Medium Density Residential	0.33	0.26	1.48	0.23	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.62	0.17	0.86	0.06	0.00	0.00	0.00	0.00	0.86	0.06	0.00	0.00
13P0500B2-182rA	13P0500B2	3	2.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	120	Medium Density Residential	1.23	0.86	4.84	0.76	0.00	0.00	DA	100	Pond 1-3	20	40	0.97	0.31	3.87	0.46	0.00	0.00	0.00	0.00	3.87	0.46	0.00	0.00
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	182r	Golf Course (w/Reclaimed Irrigation)	0.11	0.07	0.50	0.08	0.00	0.00	DA	100	Pond 1-3	20	40	0.10	0.03	0.40	0.05	0.00	0.00	0.00	0.00	0.40	0.05	0.00	0.00
13P0502B-120D	13P0502B	3	4.6	2.7	120	Medium Density Residential	2.28	1.83	10.28	1.62	1.07	0.69	Pond 2-3	100	Alt. #3	42	74	3.86	0.69	5.35	0.25	0.00	0.00	0.00	0.00	5.35	0.25	0.00	0.00
13P0502B-182rD	13P0502B	3	4.6	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.05	0.35	0.06	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.15	0.04	0.21	0.02	0.00	0.00	0.00	0.00	0.21	0.02	0.00	0.00
13P0800B-120D	13P0800B	3	0.8	0.7	120	Medium Density Residential	0.64	0.51	2.89	0.46	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	1.21	0.34	1.68	0.12	0.00	0.00	0.00	0.00	1.68	0.12	0.00	0.00
13P0800B-182rD	13P0800B	3	0.8	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	Pond 2-3	100	Alt. #3	42	74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	120	Medium Density Residential	0.90	0.90	5.05	0.80	0.00	0.00	N	100	Pond 1-3	0	0	0.00	0.00	5.05	0.80	0.00	0.00	0.00	0.00	5.05	0.80	0.00	0.00
13P0900B-182rD	13P0900B	3	2.3	1.3	182r	Golf Course (w/Reclaimed Irrigation)	0.04	0.04	0.30	0.05	0.00	0.00	N	100	Pond 1-3	0	0	0.00	0.00	0.30	0.05	0.00	0.00	0.00	0.00	0.30	0.05	0.00	0.00
13P0950B-120D	13P0950B	3	9.8	5.9	120	Medium Density Residential	5.02	5.02	28.28	4.47	1.48	0.95	C	100	Pond 1-3	0	0	0.00	0.00	26.80	3.52	0.00	0.00	0.00	0.00	26.80	3.52	0.00	0.00
13P0950B-170D	13P0950B	3	9.8	0.2	170	Institutional	0.15	0.15	0.64	0.08	0.07	0.05	C	100	Pond 1-3	0	0	0.00	0.00	0.56	0.03	0.00	0.00	0.00	0.00	0.56	0.03	0.00	0.00
13P0950B-182rD	13P0950B	3	9.8	3.7	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.13	0.86	0.14	0.00	0.00	C	100	Pond 1-3	0	0	0.00	0.00	0.86	0.14	0.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00
13P0950B-430D	13P0950B	3	9.8	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	C	100	Pond 1-3	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	120	Medium Density Residential	6.90	6.90	38.87	6.14	5.84	3.75	C	100	Pond 1-3	0	0	0.00	0.00	33.02	2.39	0.00	0.00	0.00	0.00	33.02	2.39	0.00	0.00
13P1000B-140D	13P1000B	3	11.5	1.3	140	Commercial	3.70	3.70	24.12	3.47	1.72	1.10	C	100	Pond 1-3	0	0	0.00	0.00	22.41	2.37	0.00	0.00	0.00	0.00	22.41	2.37	0.00	0.00
13P1000B-182rD	13P1000B	3	11.5	2.1	182r	Golf Course (w/Reclaimed Irrigation)	0.07	0.07	0.49	0.08	0.49	0.08	C	100	Pond 1-3	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	120	Medium Density Residential	0.38	0.27	1.50	0.24	0.00	0.00	DA	100	Pond 1-3	20	40	0.30	0.09	1.20	0.14	0.00	0.00	0.00	0.00	1.20	0.14	0.00	0.00
13P1250B-182rD	13P1250B	3	4.2	3.8	182r	Golf Course (w/Reclaimed Irrigation)	0.13	0.09	0.61	0.10	0.00	0.00	DA	100	Pond 1-3	20	40	0.12	0.04	0.49	0.06	0.00	0.00	0.00	0.00	0.49	0.06	0.00	0.00
13P1300B-120D	13P1300B	3	1.5	1.3	120	Medium Density Residential	1.14	1.14	6.43	1.02	0.00	0.00	C	100	Pond 1-3	0	0	0.00	0.00	6.43	1.02	0.00	0.00	0.00	0.00	6.43	1.02	0.00	0.00
13P1300B-182rD	13P1300B	3	1.5	0.2	182r	Golf Course (w/Reclaimed Irrigation)	0.01	0.01	0.04	0.01	0.00	0.00	C	100	Pond 1-3	0	0	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
13P1650B-120D	13P1650B	3	2.2	0.0	120	Medium Density Residential	0.02	0.02	0.11	0.02	0.00	0.00	C	100	Pond 1-3	0	0	0.00	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.11	0.02	0.00	0.00
13P1650B-130D	13P1650B	3	2.2	0.6	130	High Density Residential	1.23	1.23	7.78	1.74	0.29	0.19	C	100	Pond 1-3	0	0	0.00	0.00	7.48	1.56	0.00	0.00	0.00	0.00	7.48	1.56	0.00	0.00
13P1650B-182rD	13P1650B	3	2.2	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.05	0.05	0.35	0.06	0.35	0.06	C	100	Pond 1-3	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	130	High Density Residential	1.22	0.90	5.67	1.27	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	2.04	0.79	3.63	0.48	3.63	0.48	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-130W	13P1800B	1	6.6	0.1	130	High Density Residential	0.14	0.10	0.65	0.15	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.23	0.09	0.42	0.06	0.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-140D	13P1800B	1	6.6	0.2	140	Commercial	0.47	0.36	2.33	0.34	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.84	0.21	1.49	0.13	1.49	0.13	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rD	13P1800B	1	6.6	3.5	182r	Golf Course (w/Reclaimed Irrigation)	0.12	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	500	Water	0.18	0.13	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	500	Water	6.79	5.17	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	120	Medium Density Residential	0.18	0.18	1.00	0.16	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	1.00	0.16	1.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	130	High Density Residential	6.01	6.01	37.90	8.49	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	37.90	8.49	37.90	8.49	0.00	0.00	0.00	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	140	Commercial	0.24	0.24	1.56	0.22	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	1.56	0.22	1.56	0.22	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	140	Commercial	15.78	12.63	82.41	11.85	0.11	0.07	WP	100	nd 1-3 Pond 8	36	62	29.63	7.30	52.67	4.48	26.34	2.24	0.00	0.00	26.34	2.24	0.00	0.00
13P1810B-182rD	13P1810B	5	10.0	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond 8	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	186	Recreational 2 (Parks w/facilities)	0.78	0.63	2.74	0.33	0.16	0.10	WP	100	nd 1-3 Pond 8	36	62	0.93	0.14	1.65	0.08	0.83	0.04	0.00	0.00	0.83	0.04	0.00	0.00
13P1814B-130D	13P1814B	1	5.1	0.0	130	High Density Residential	0.09	0.07	0.46	0.10	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	0.46	0.10	0.46	0.10	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	140	Commercial	12.68	10.81	70.57	10.14	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	70.57	10.14	70.57	10.14	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	Pond 8-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	120	Medium Density Residential	3.91	3.03	17.03	2.69	1.62	1.04	W	100	nd 1-3 Pond 8	20	30	3.08	0.49	12.32	1.15	6.16	0.58	0.00	0.00	6.16	0.58	0.00	0.00
13P1826B-140D	13P1826B	5	18.5	8.6	140	Commercial	25.28	23.61	154.06	22.15	2.36	1.51	W	100	nd 1-3 Pond 8	20	30	30.34	6.19	121.36	14.44	60.68	7.22	0.00	0.00	60.68	7.22	0.00	0.00
13P1826B-170D	13P1826B	5	18.5	1.7	170	Institutional	1.59	1.26	5.51	0.65	0.84	0.54	W	100	nd 1-3 Pond 8	20	30	0.93	0.03	3.73	0.08	1.87	0.04	0.00	0.00	1.87	0.04	0.00	0.00
13P1826B-186D	13P1826B	5	18.5	1.7	186	Recreational 2 (Parks w/facilities)	0.29	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond 8	20	30	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	50
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	50
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P1900B-186D	13P1900B	5	25.9	0.1	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	500	Water	0.70	0.24	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	500	Water	17.19	6.03	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	140	Commercial	2.74	2.74	17.89	2.57	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	17.89	2.57	8.94	1.29	0.00	0.00	8.94	1.29	0.00	0.00
13P1901B-186D	13P1901B	5	2.9	2.0	186	Recreational 2 (Parks w/facilities)	0.33	0.33	1.46	0.17	0.08	0.05	N	100	nd 1-3 Pond	0	0	0.00	0.00	1.38	0.12	0.69	0.06	0.00	0.00	0.69	0.06	0.00	0.00
13P1902B-140D	13P1902B	5	1.8	1.8	140	Commercial	5.22	5.22	34.04	4.89	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	34.04	4.89	17.02	2.45	0.00	0.00	17.02	2.45	0.00	0.00
13P1902B-600D	13P1902B	5	1.8	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	140	Commercial	26.24	26.24	171.27	24.62	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	171.27	24.62	85.63	12.31	0.00	0.00	85.63	12.31	0.00	0.00
13P1920B-185D	13P1920B	5	9.1	0.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	140	Commercial	0.12	0.12	0.79	0.11	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.79	0.11	0.40	0.06	0.00	0.00	0.40	0.06	0.00	0.00
13P2010B-186D	13P2010B	5	0.9	0.9	186	Recreational 2 (Parks w/facilities)	0.15	0.15	0.64	0.08	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.64	0.08	0.32	0.04	0.00	0.00	0.32	0.04	0.00	0.00
13P2014B-140D	13P2014B	5	1.7	0.1	140	Commercial	0.22	0.22	1.45	0.21	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	1.45	0.21	0.72	0.10	0.00	0.00	0.72	0.10	0.00	0.00
13P2014B-186D	13P2014B	5	1.7	1.6	186	Recreational 2 (Parks w/facilities)	0.27	0.27	1.19	0.14	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	1.19	0.14	0.59	0.07	0.00	0.00	0.59	0.07	0.00	0.00
13P2050B-120D	13P2050B	5	6.6	0.3	120	Medium Density Residential	0.27	0.27	1.50	0.24	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	1.50	0.24	0.75	0.12	0.00	0.00	0.75	0.12	0.00	0.00
13P2050B-140D	13P2050B	5	6.6	5.9	140	Commercial	17.20	17.20	112.26	16.14	0.17	0.11	N	100	nd 1-3 Pond	0	0	0.00	0.00	112.09	16.03	56.04	8.01	0.00	0.00	56.04	8.01	0.00	0.00
13P2050B-186D	13P2050B	5	6.6	0.4	186	Recreational 2 (Parks w/facilities)	0.06	0.06	0.28	0.03	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.28	0.03	0.14	0.02	0.00	0.00	0.14	0.02	0.00	0.00
13P2250B-120D	13P2250B	5	49.8	15.1	120	Medium Density Residential	12.91	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	120	Medium Density Residential	0.19	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	140	Commercial	54.55	30.70	200.38	28.80	3.11	1.99	L	100	nd 1-3 Pond	36	62	71.02	16.62	126.25	10.19	63.13	5.09	0.00	0.00	63.13	5.09	0.00	0.00
13P2250B-186D	13P2250B	5	49.8	0.2	186	Recreational 2 (Parks w/facilities)	0.03	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	500	Water	2.26	1.40	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	500	Water	40.92	25.45	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	140	Commercial	17.03	13.62	88.89	12.78	0.33	0.21	WP	100	nd 1-3 Pond	36	62	31.88	7.79	56.68	4.77	28.34	2.39	0.00	0.00	28.34	2.39	0.00	0.00
13P2300B-186D	13P2300B	5	9.0	3.2	186	Recreational 2 (Parks w/facilities)	0.53	0.43	1.86	0.22	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.67	0.14	1.19	0.08	0.60	0.04	0.00	0.00	0.60	0.04	0.00	0.00
13P2400B-140D	13P2400B	5	6.3	3.6	140	Commercial	10.60	8.48	55.34	7.96	0.00	0.00	WP	100	nd 1-3 Pond	36	62	19.92	4.93	35.42	3.02	17.71	1.51	0.00	0.00	17.71	1.51	0.00	0.00
13P2400B-186D	13P2400B	5	6.3	2.7	186	Recreational 2 (Parks w/facilities)	0.46	0.37	1.61	0.19	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.58	0.12	1.03	0.07	0.51	0.04	0.00	0.00	0.51	0.04	0.00	0.00
13P2450B-140D	13P2450B	5	4.4	3.7	140	Commercial	10.89	10.89	71.09	10.22	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	71.09	10.22	35.55	5.11	0.00	0.00	35.55	5.11	0.00	0.00
13P2450B-186D	13P2450B	5	4.4	0.7	186	Recreational 2 (Parks w/facilities)	0.11	0.11	0.48	0.06	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.48	0.06	0.24	0.03	0.00	0.00	0.24	0.03	0.00	0.00
13P2600B-110D	13P2600B	5	344.8	2.0	110	Low Density Residential	0.24	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	120	Medium Density Residential	0.38	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	120	Medium Density Residential	126.56	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	120	Medium Density Residential	1.03	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	130	High Density Residential	0.00	0.00	0.01	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	140	Commercial	2.39	1.12	7.29	1.05	0.00	0.00	L	100	nd 1-3 Pond	36	62	2.62	0.65	4.67	0.40	2.33	0.20	0.00	0.00	2.33	0.20	0.00	0.00
13P2600B-140D	13P2600B	5	344.8	42.2	140	Commercial	123.58	58.76	383.47	55.12	0.00	0.00	L	100	nd 1-3 Pond	36	62	138.05	34.18	245.42	20.95	122.71	10.47	0.00	0.00	122.71	10.47	0.00	0.00
13P2600B-155D	13P2600B	5	344.8	2.0	155	Industrial	0.59	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	185	Recreational 1 (Parks w/little impervious	0.16	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	500	Water	9.14	4.99	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	500	Water	419.99	229.45	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	120	Medium Density Residential	0.86	0.86	4.84	0.76	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	4.84	0.76	2.42	0.38	0.00	0.00	2.42	0.38	0.00	0.00
13P2640B-140D	13P2640B	5	8.5	5.0	140	Commercial	14.52	14.52	94.75	13.62	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	94.75	13.62	47.37	6.81	0.00	0.00	47.37	6.81	0.00	0.00
13P2640B-186D	13P2640B	5	8.5	2.5	186	Recreational 2 (Parks w/facilities)	0.43	0.43	1.86	0.22	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	1.86	0.22	0.93	0.11	0.00	0.00	0.93	0.11	0.00	0.00
13P2645B-140D	13P2645B	5	4.1	3.0	140	Commercial	8.70	8.70	56.78	8.16	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	56.78	8.16	28.39	4.08	0.00	0.00	28.39	4.08	0.00	0.00
13P2645B-186D	13P2645B	5	4.1	1.2	186	Recreational 2 (Parks w/facilities)	0.20	0.20	0.86	0.10	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.86	0.10	0.43	0.05	0.00	0.00	0.43	0.05	0.00	0.00
13P2646B-140D	13P2646B	5	8.5	6.8	140	Commercial	20.02	20.02	130.68	18.78	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	130.68	18.78	65.34	9.39	0.00	0.00	65.34	9.39	0.00	0.00
13P2646B-186D	13P2646B	5	8.5	1.7	186	Recreational 2 (Parks w/facilities)	0.28	0.28	1.25	0.15	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	1.25	0.15	0.62	0.07	0.00	0.00	0.62	0.07	0.00	0.00
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	140	Commercial	4.62	0.92	6.03	0.87	0.00	0.00	DP	100	nd 1-3 Pond	80	80	4.82	0.69	1.21	0.17	0.60	0.09	0.00	0.00	0.60	0.09	0.00	0.00
13P2648B-120A	13P2648B	5	26.8	7.0	120	Medium Density Residential	4.84	2.43	13.69	2.16	0.00	0.00	W	100	nd 1-3 Pond	20	30	2.74	0.65	10.95	1.51	5.48	0.76	0.00	0.00	5.48	0.76	0.00	0.00
13P2648B-120D	13P2648B	5	26.8	1.9	120	Medium Density Residential	1.61	0.96	5.42	0.86	0.00	0.00	W	100	nd 1-3 Pond	20	30	1.08	0.26	4.34	0.60	2.17	0.30	0.00	0.00	2.17	0.30	0.00	0.00
13P2648B-120W	13P2648B	5	26.8	0.0	120	Medium Density Residential	0.00	0.00	0.02	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	140	Commercial	0.14	0.12	0.78	0.11	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.16	0.03	0.63	0.08	0.31	0.04	0.00	0.00	0.31	0.04	0.00	0.00
13P2648B-140D	13P2648B	5	26.8	12.9	140	Commercial	37.85	33.40	217.95	31.33	0.00	0.00	W	100	nd 1-3 Pond	20	30	43.59	9.40	174.36	21.93	87.18	10.97	0.00	0.00	87.18	10.97	0.00	0.00
13P2648B-600A	13P2648B	5	26.8	1.3	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	643	Wet Prairie	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	120	Medium Density Residential	5.94	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	120	Medium Density Residential	1.75	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	140	Commercial	9.64	5.30	34.57	4.97	0.00	0.00	W	100	nd 1-3 Pond	20	30	6.91	1.49	27.66	3.48	13.83	1.74	0.00	0.00	13.83	1.74	0.00	0.00
13P2660B-186A	13P2660B	5	26.2	0.1	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	120	Medium Density Residential	11.54	4.93	27.73	4.38	0.00	0.00	W	100	nd 1-3 Pond	20	30	5.55	1.31	22.19	3.07	11.09	1.53	0.00	0.00	11.09	1.53	0.00	0.00
13P2661B-120D	13P2661B	5	29.9	1.9	120	Medium Density Residential	1.65	0.88	4.98	0.79	0.00	0.00	W	100	nd 1-3 Pond	20	30	1.00	0.24	3.98	0.55	1.99	0.28	0.00	0.00	1.99	0.28	0.00	0.00
13P2661B-140A	13P2661B	5	29.9	0.2	140	Commercial	0.44	0.38	2.48	0.36	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.50	0.11	1.98	0.25	0.99	0.12	0.00	0.00	0.99	0.12	0.00	0.00
13P2661B-186A	13P2661B	5	29.9	4.4	186	Recreational 2 (Parks w/facilities)	0.05	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	120	Medium Density Residential	59.34	49.68	279.64	44.17	0.00	0.00	L	100	nd 1-3 Pond	36	62	100.67	27.39	178.97	16.79	89.48	8.39	0.00	0.00	89.48	8.39	0.00	0.00
13P2800B-130A	13P2800B	5	151.5	0.2	130	High Density Residential	0.38	0.35	2.22	0.50	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.80	0.31	1.42	0.19	0.71	0.09	0.00	0.00	0.71	0.09	0.00	0.00
13P2800B-130D	13P2800B	5	151.5	34.6	130	High Density Residential	68.26	63.43	400.15	89.69	0.00	0.00	L	100	nd 1-3 Pond	36

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

% of the Lake Grassy System (5) runoff that discharges to Queens Mirror:	50
% of the Lake Grassy System (5) runoff that discharges to Middle Triplet Lake:	50
% of the Yvonne Lake System (6) runoff that discharges to Middle Triplet Lake:	10

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Gross Runoff (ac-ft/yr)	Net Runoff (ac-ft/yr)	Gross Total N (lbs/yr)	Gross Total P (lbs/yr)	Street Sweeping Total N Removed (lbs/yr)	Street Sweeping Total P Removed (lbs/yr)	Treatment Feature Type -	Treatment Coverage -	Existing or Proposed Feature -	Total N Removal Efficiency (%)	Total P Removal Efficiency (%)	Total N Removed (lbs/yr)	Total P Removed (lbs/yr)	Net Total N (lbs/yr)	Net Total P (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Total N Load to Lake 2 (SLT) (lbs/yr)	Total P Load to Lake 2 (SLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 4 (NLT) (lbs/yr)	Total P Load to Lake 4 (NLT) (lbs/yr)
13P2800B-186D	13P2800B	5	151.5	16.2	186	Recreational 2 (Parks w/facilities)	2.73	0.47	2.05	0.24	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.74	0.15	1.32	0.09	0.66	0.05	0.00	0.00	0.66	0.05	0.00	0.00
13P2800B-500D	13P2800B	5	151.5	4.6	500	Water	15.49	14.85	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	120	Medium Density Residential	16.37	16.37	92.12	14.55	0.00	0.00	L	100	nd 1-3 Pond	36	62	33.16	9.02	58.96	5.53	29.48	2.76	0.00	0.00	29.48	2.76	0.00	0.00
13P2900B-130D	13P2900B	5	24.3	4.7	130	High Density Residential	9.26	9.26	58.42	13.09	0.00	0.00	L	100	nd 1-3 Pond	36	62	21.03	8.12	37.39	4.98	18.69	2.49	0.00	0.00	18.69	2.49	0.00	0.00
13P2900B-140D	13P2900B	5	24.3	0.2	140	Commercial	0.67	0.67	4.35	0.63	0.00	0.00	L	100	nd 1-3 Pond	36	62	1.57	0.39	2.78	0.24	1.39	0.12	0.00	0.00	1.39	0.12	0.00	0.00
13P2900B-310D	13P2900B	5	24.3	0.3	310	Dry Prairie	0.00	0.00	0.00	0.00	0.00	0.00	L	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	140	Commercial	40.72	32.57	212.58	30.56	0.00	0.00	WP	100	nd 1-3 Pond	36	62	76.53	18.95	136.05	11.61	68.03	5.81	0.00	0.00	68.03	5.81	0.00	0.00
13P3400B-186D	13P3400B	5	15.5	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	500	Water	4.20	3.36	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	120	Medium Density Residential	2.33	2.33	13.13	2.07	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	13.13	2.07	6.57	1.04	0.00	0.00	6.57	1.04	0.00	0.00
13Q0500B-140D	13Q0500B	5	3.5	0.7	140	Commercial	2.19	2.19	14.32	2.06	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	14.32	2.06	7.16	1.03	0.00	0.00	7.16	1.03	0.00	0.00
13Q0820B-120A	13Q0820B	5	39.9	0.0	120	Medium Density Residential	0.01	0.01	0.03	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.01	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	120	Medium Density Residential	27.85	22.28	125.40	19.81	0.00	0.00	WP	100	nd 1-3 Pond	36	62	45.14	12.28	80.25	7.53	40.13	3.76	0.00	0.00	40.13	3.76	0.00	0.00
13Q0820B-140D	13Q0820B	5	39.9	5.5	140	Commercial	16.02	12.81	83.62	12.02	0.00	0.00	WP	100	nd 1-3 Pond	36	62	30.10	7.45	53.52	4.57	26.76	2.28	0.00	0.00	26.76	2.28	0.00	0.00
13Q0820B-186D	13Q0820B	5	39.9	0.0	186	Recreational 2 (Parks w/facilities)	0.01	0.00	0.02	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	500	Water	6.47	5.18	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	120	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	155	Industrial	0.10	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	W	100	nd 1-3 Pond	20	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	120	Medium Density Residential	0.03	0.03	0.16	0.03	0.03	0.02	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.13	0.00	0.06	0.00	0.00	0.00	0.06	0.00	0.00	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	120	Medium Density Residential	1.27	1.27	7.14	1.13	1.02	0.65	N	100	nd 1-3 Pond	0	0	0.00	0.00	6.12	0.48	3.06	0.24	0.00	0.00	3.06	0.24	0.00	0.00
13Q0860B-155A	13Q0860B	5	12.7	0.8	155	Industrial	0.02	0.02	0.08	0.02	0.08	0.02	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	155	Industrial	0.14	0.14	0.47	0.10	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.47	0.10	0.23	0.05	0.00	0.00	0.23	0.05	0.00	0.00
13Q0860B-185A	13Q0860B	5	12.7	3.8	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.02	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	500	Water	0.02	0.02	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	500	Water	2.44	2.44	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	120	Medium Density Residential	0.18	0.14	0.80	0.13	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.29	0.08	0.51	0.05	0.25	0.02	0.00	0.00	0.25	0.02	0.00	0.00
13Q0861B-120D	13Q0861B	5	5.1	1.2	120	Medium Density Residential	1.01	0.81	4.55	0.72	0.75	0.48	WP	100	nd 1-3 Pond	36	62	1.37	0.15	2.44	0.09	1.22	0.05	0.00	0.00	1.22	0.05	0.00	0.00
13Q0861B-155A	13Q0861B	5	5.1	0.8	155	Industrial	0.03	0.02	0.07	0.01	0.07	0.01	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	155	Industrial	0.42	0.33	1.09	0.24	0.19	0.12	WP	100	nd 1-3 Pond	36	62	0.32	0.07	0.57	0.04	0.29	0.02	0.00	0.00	0.29	0.02	0.00	0.00
13Q0861B-185A	13Q0861B	5	5.1	1.2	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	155	Industrial	0.05	0.04	0.14	0.03	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.05	0.02	0.09	0.01	0.05	0.01	0.00	0.00	0.05	0.01	0.00	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	155	Industrial	1.86	1.49	4.86	1.05	1.75	1.05	WP	100	nd 1-3 Pond	36	62	1.12	0.00	1.99	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	500	Water	5.91	4.73	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	120	Medium Density Residential	3.89	3.89	21.90	3.46	2.97	1.90	N	100	nd 1-3 Pond	0	0	0.00	0.00	18.93	1.56	9.47	0.78	0.00	0.00	9.47	0.78	0.00	0.00
13Q0875B-500D	13Q0875B	5	5.1	0.4	500	Water	1.26	1.26	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	120	Medium Density Residential	3.97	3.97	22.36	3.53	3.12	2.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	19.24	1.53	9.62	0.76	0.00	0.00	9.62	0.76	0.00	0.00
13Q0880B-185D	13Q0880B	5	7.8	3.2	185	Recreational 1 (Parks w/little impervious	0.11	0.11	0.48	0.06	0.48	0.06	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	120	Medium Density Residential	6.97	6.97	39.23	6.20	2.84	1.82	N	100	nd 1-3 Pond	0	0	0.00	0.00	36.39	4.38	18.20	2.19	0.00	0.00	18.20	2.19	0.00	0.00
13Q0885B-140D	13Q0885B	5	9.0	0.1	140	Commercial	0.43	0.43	2.82	0.41	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	2.82	0.41	1.41	0.20	0.00	0.00	1.41	0.20	0.00	0.00
13Q0885B-185D	13Q0885B	5	9.0	0.7	185	Recreational 1 (Parks w/little impervious	0.03	0.03	0.11	0.01	0.11	0.01	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	120	Medium Density Residential	0.02	0.02	0.09	0.02	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.09	0.02	0.05	0.01	0.00	0.00	0.05	0.01	0.00	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	140	Commercial	0.00	0.00	0.01	0.00	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	185	Recreational 1 (Parks w/little impervious	0.09	0.09	0.42	0.05	0.00	0.00	N	100	nd 1-3 Pond	0	0	0.00	0.00	0.42	0.05	0.21	0.02	0.00	0.00	0.21	0.02	0.00	0.00
13Q0924B-120D	13Q0924B	5	5.1	4.2	120	Medium Density Residential	3.64	2.91	16.39	2.59	0.00	0.00	WP	100	nd 1-3 Pond	36	62	5.90	1.61	10.49	0.98	5.24	0.49	0.00	0.00	5.24	0.49	0.00	0.00
13Q0924B-155D	13Q0924B	5	5.1	0.0	155	Industrial	0.01	0.01	0.03	0.01	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.01	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	120	Medium Density Residential	3.41	2.73	15.36	2.43	0.00	0.00	WP	100	nd 1-3 Pond	36	62	5.53	1.50	9.83	0.92	4.92	0.46	0.00	0.00	4.92	0.46	0.00	0.00
13Q0940B-155D	13Q0940B	5	5.0	0.0	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	500	Water	3.28	2.63	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	120	Medium Density Residential	0.83	0.66	3.73	0.59	0.00	0.00	WP	100	nd 1-3 Pond	36	62	1.34	0.37	2.39	0.22	1.19	0.11	0.00	0.00	1.19	0.11	0.00	0.00
13Q1100B-140D	13Q1100B	5	2.2	0.2	140	Commercial	0.65	0.52	3.41	0.49	0.00	0.00	WP	100	nd 1-3 Pond	36	62	1.23	0.30	2.18	0.19	1.09	0.09	0.00	0.00	1.09	0.09	0.00	0.00
13Q1100B-155D	13Q1100B	5	2.2	0.8	155	Industrial	0.23	0.18	0.59	0.13	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.21	0.08	0.38	0.05	0.19	0.02	0.00	0.00	0.19	0.02	0.00	0.00
13Q1100B-185D	13Q1100B	5	2.2	0.1	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	600	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	155	Industrial	0.01	0.00	0.01	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	155	Industrial	0.18	0.15	0.48	0.10	0.21	0.10	WP	100	nd 1-3 Pond	36	62	0.09	0.00	0.17	0.00	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	155	Industrial	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	155	Industrial	0.94	0.75	2.46	0.53	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.88	0.33	1.57	0.20	0.79	0.10	0.00	0.00	0.79	0.10	0.00	0.00
13Q1900B-120D	13Q1900B	5	27.5	5.5	120	Medium Density Residential	4.75	3.80	21.40	3.38	0.83	0.53	WP	100	nd 1-3 Pond	36	62	7.41	1.77	13.17	1.08	6.58	0.54	0.00	0.00	6.58	0.54	0.00	0.00
13Q1900B-130D	13Q1900B	5	27.5	2.4	130	High Density Residential	4.66	3.73	23.51	5.27	0.00	0.00	WP	100	nd 1-3 Pond	36	62	8.46	3.27	15.04	2.00	7.52	1.00	0.00	0.00	7.52	1.00	0.00	0.00
13Q1900B-140A	13Q1900B	5	27.5	0.0	140	Commercial	0.11	0.08	0.55	0.08	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.20	0.05	0.35	0.03	0.18	0.02	0.00	0.00	0.18	0.02	0.00	0.00
13Q1900B-140D	13Q1900B	5	27.5	10.6	140	Commercial	30.98	24.78	161.74	23.25	2.97	1.91	WP	100	nd 1-3 Pond	36	62	57.16	13.23	101.61	8.11	50.80	4.06	0.00	0.00	50.80	4.06	0.00	0.00
13Q1900B-155A	13Q1900B	5	27.5	0.1	155	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	155	Industrial	0.11	0.09	0.29	0.06	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.10	0.04	0.18	0.02	0.09	0.01	0.00	0.00	0.09	0.01	0.00	0.00
13Q1900B-185A	13Q1900B	5	27.5	0.0	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	185	Recreational 1 (Parks w/little impervious	0.00	0.00	0.01	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	410	Mesic Flatwoods	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	430	Upland Mixed Forest	0.00	0.00	0.00	0.00	0.00	0.00	WP	100	nd 1-3 Pond	36

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Pond 8-2 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Pond 1-3 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 1-3 Total N Removal Efficiency (%)	Pond 1-3 Total P Removal Efficiency (%)	Pond 1-3 Add'l N Removal Lake 3 (MLT) (lbs/yr)	Pond 1-3 Add'l P Removal Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)
												713.7	131.9	2967.9	259.1						478.2	68.7	1518.2	133.9
13L0800B-120A	13L0800B	4	35.0	9.6	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-120D	13L0800B	4	35.0	9.2	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-130A	13L0800B	4	35.0	0.2	130	High Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-130D	13L0800B	4	35.0	0.9	130	High Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-140A	13L0800B	4	35.0	0.2	140	Commercial	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-140D	13L0800B	4	35.0	0.4	140	Commercial	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-186D	13L0800B	4	35.0	7.0	186	Recreational 2 (Parks w/facilities)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-430A	13L0800B	4	35.0	1.7	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-500D	13L0800B	4	35.0	0.4	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-600D	13L0800B	4	35.0	4.5	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0800B-8100D	13L0800B	4	35.0	1.0	8100	Transportation	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0801B-120A	13L0801B	4	26.1	0.3	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-120D	13L0801B	4	26.1	7.4	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-130A	13L0801B	4	26.1	9.3	130	High Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-130D	13L0801B	4	26.1	1.2	130	High Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-140A	13L0801B	4	26.1	4.7	140	Commercial	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-140D	13L0801B	4	26.1	0.4	140	Commercial	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-186A	13L0801B	4	26.1	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-186D	13L0801B	4	26.1	2.6	186	Recreational 2 (Parks w/facilities)	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0801B-430A	13L0801B	4	26.1	0.3	430	Upland Mixed Forest	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L0820B-120A	13L0820B	4	24.7	0.6	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-120D	13L0820B	4	24.7	7.8	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-130A	13L0820B	4	24.7	2.4	130	High Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-130D	13L0820B	4	24.7	4.7	130	High Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-140D	13L0820B	4	24.7	4.6	140	Commercial	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-186D	13L0820B	4	24.7	3.6	186	Recreational 2 (Parks w/facilities)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L0820B-500D	13L0820B	4	24.7	1.0	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-120A	13L1000B	3	59.8	4.0	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	6.27	0.39
13L1000B-120D	13L1000B	3	59.8	26.8	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	56.86	3.83
13L1000B-182rA	13L1000B	3	59.8	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-182rD	13L1000B	3	59.8	5.6	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-186D	13L1000B	3	59.8	0.6	186	Recreational 2 (Parks w/facilities)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-500D	13L1000B	3	59.8	0.0	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-600D	13L1000B	3	59.8	19.9	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1000B-8100D	13L1000B	3	59.8	1.1	8100	Transportation	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	6.07	0.00
13L1001B-120A	13L1001B	2	8.5	0.5	120	Medium Density Residential	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-120D	13L1001B	2	8.5	5.5	120	Medium Density Residential	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-182rA	13L1001B	2	8.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-182rD	13L1001B	2	8.5	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1001B-430D	13L1001B	2	8.5	0.5	430	Upland Mixed Forest	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.28	0	0	0.00	0.00	0.00	0.00
13L1002B-120A	13L1002B	2	8.3	2.8	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1002B-120D	13L1002B	2	8.3	4.5	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1002B-430D	13L1002B	2	8.3	0.1	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1002B-500D	13L1002B	2	8.3	0.8	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1020B-110D	13L1020B	3	26.6	0.5	110	Low Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1020B-120D	13L1020B	3	26.6	23.0	120	Medium Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	44.31	2.04
13L1020B-130D	13L1020B	3	26.6	0.0	130	High Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.04	0.01
13L1020B-182rD	13L1020B	3	26.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1020B-600D	13L1020B	3	26.6	3.0	600	Wetland	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1200B-120A	13L1200B	2	44.6	0.2	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-120D	13L1200B	2	44.6	28.9	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-182rA	13L1200B	2	44.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-182rD	13L1200B	2	44.6	7.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-430A	13L1200B	2	44.6	0.3	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-430D	13L1200B	2	44.6	5.7	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-500D	13L1200B	2	44.6	0.0	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1200B-600D	13L1200B	2	44.6	2.4	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1201B-120A	13L1201B	2	11.0	6.1	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13L1201B-120D	13L1201B	2	11.0	0.9	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13L1201B-182rA	13L1201B	2	11.0	1.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13L1201B-182rD	13L1201B	2	11.0	2.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13L1202B-120A	13L1202B	2	13.5	2.3	120	Medium Density Residential	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1202B-120D	13L1202B	2	13.5	4.6	120	Medium Density Residential	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1202B-182rA	13L1202B	2	13.5	5.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1202B-182rD	13L1202B	2	13.5	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00	0.00	0.77	0.49	0	0	0.00	0.00	0.00	0.00
13L1203B-120A	13L1203B	2	1.5	0.0	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1203B-120D	13L1203B	2	1.5	1.4	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1203B-182rA	13L1203B	2	1.5	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1203B-182rD	13L1203B	2	1.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1700B-120A	13L1700B	1	30.3	2.1	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	3.72	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1700B-120D	13L1700B	1	30.3	26.7	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	75.67	5.16	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1700B-182rD	13L1700B	1	30.3	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.22	0.02	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1700B-500D	13L1700B	1	30.3	0.1	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L1825B-120D	13L1825B	1	4.0	0.6	120	Medium Density Residential	0.00	0.59	0.29	0	0	0.00	0.00	0.45	0.00	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00
13L1825B-182rD	13L1825B	1	4.0	2.5	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00
13L1825B-500D	13L1825B	1	4.0	0.3	500	Water	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00
13L1825B-600D	13L1825B	1	4.0	0.6	600	Wetland	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.29	0	0	0.00	0.00	0.00	0.00
13L1829B-120D	13L1829B	1	19.7	2.4	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.19	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L1829B-170D	13L1829B	1	19.7	17.3	170	Institutional	0.00	0.20	0.20	0	0	0.00	0.00	2.80	0.33	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L1875B-120D	13L1875B	1	43.3	8.3	120	Medium Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1875B-170D	13L1875B	1	43.3	5.4	170	Institutional	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1875B-182rD	13L1875B	1	43.3	0.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1875B-600D	13L1875B	1	43.3	28.7	600	Wetland	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1876B-120D	13L1876B	1	66.8	49.2	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	202.96	15.47	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1876B-130D	13L1876B	1	66.8	3.0	130	High Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	37.60	8.43	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1876B-140D	13L1876B	1	66.8	10.0	140	Commercial	0.00	1.00	1.00	0	0	0.00	0.00	186.18	24.68	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1876B-155D	13L1876B	1	66.8	1.1	155	Industrial	0.00	1.00	1.00	0	0	0.00	0.00	1.07	0.23	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Pond 8-2 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Pond 1-3 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 1-3 Total N Removal Efficiency (%)	Pond 1-3 Total P Removal Efficiency (%)	Pond 1-3 Add'l N Removal Lake 3 (MLT) (lbs/yr)	Pond 1-3 Add'l P Removal Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)
13L1876B-186D	13L1876B	1	66.8	3.5	186	Recreational 2 (Parks w/facilities)	0.00	1.00	1.00	0	0	0.00	0.00	2.14	0.02	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1877B-120D	13L1877B	1	31.9	31.9	120	Medium Density Residential	0.00	0.58	0.25	0	0	0.00	0.00	58.69	1.38	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00
13L1878B-120D	13L1878B	1	17.9	17.9	120	Medium Density Residential	0.00	0.58	0.25	0	0	0.00	0.00	32.20	0.56	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00
13L1885B-120D	13L1885B	1	27.2	18.7	120	Medium Density Residential	0.00	0.58	0.25	0	0	0.00	0.00	36.52	1.38	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00
13L1885B-170D	13L1885B	1	27.2	6.0	170	Institutional	0.00	0.58	0.25	0	0	0.00	0.00	11.20	0.57	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00
13L1885B-182rD	13L1885B	1	27.2	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.25	0	0	0.00	0.00	0.20	0.01	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00
13L1885B-600D	13L1885B	1	27.2	0.6	600	Wetland	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.25	0	0	0.00	0.00	0.00	0.00
13L1895B-120D	13L1895B	1	7.1	4.1	120	Medium Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1895B-600D	13L1895B	1	7.1	3.0	600	Wetland	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1950B-120D	13L1950B	1	53.3	9.3	120	Medium Density Residential	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1950B-182rD	13L1950B	1	53.3	4.3	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1950B-600D	13L1950B	1	53.3	39.7	600	Wetland	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1951B-120D	13L1951B	1	4.8	2.3	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	2.65	0.28	6.58	0.23	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1951B-182rD	13L1951B	1	4.8	2.0	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	1.00	1.00	29	55	0.13	0.04	0.32	0.03	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1951B-600D	13L1951B	1	4.8	0.5	600	Wetland	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1952B-120D	13L1952B	1	59.8	48.7	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	56.50	6.83	140.23	5.67	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1952B-140D	13L1952B	1	59.8	10.1	140	Commercial	Pond 8-2	1.00	1.00	29	55	53.70	13.18	133.28	10.95	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1952B-186D	13L1952B	1	59.8	0.9	186	Recreational 2 (Parks w/facilities)	Pond 8-2	1.00	1.00	29	55	0.17	0.01	0.41	0.01	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L1975B-120D	13L1975B	1	15.9	3.7	120	Medium Density Residential	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1975B-182rD	13L1975B	1	15.9	5.8	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L1975B-600D	13L1975B	1	15.9	6.4	600	Wetland	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2050B-120D	13L2050B	1	15.9	3.5	120	Medium Density Residential	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2050B-182rD	13L2050B	1	15.9	2.6	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2050B-600D	13L2050B	1	15.9	9.8	600	Wetland	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2051B-120D	13L2051B	1	10.4	10.4	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	12.17	1.61	30.21	1.34	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2052B-120D	13L2052B	1	9.2	9.2	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	11.06	1.71	27.45	1.42	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2053B-120D	13L2053B	1	29.2	28.6	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	34.54	5.68	85.71	4.72	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2053B-140D	13L2053B	1	29.2	0.6	140	Commercial	Pond 8-2	1.00	1.00	29	55	3.24	0.69	8.04	0.58	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2151B-120D	13L2151B	1	4.5	4.5	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	5.44	0.91	13.51	0.76	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2152B-120D	13L2152B	1	19.5	19.5	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	23.40	3.71	58.07	3.08	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2300B-120D	13L2300B	1	3.1	2.5	120	Medium Density Residential	Pond 8-2	0.64	0.38	18	21	1.12	0.12	4.99	0.45	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2300B-500D	13L2300B	1	3.1	0.6	500	Water	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2400B-120D	13L2400B	1	4.3	4.3	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	4.75	0.36	11.79	0.30	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2500B-120D	13L2500B	1	18.7	3.0	120	Medium Density Residential	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-130D	13L2500B	1	18.7	2.9	130	High Density Residential	Pond 8-2	0.80	0.70	23	38	1.11	0.10	3.72	0.16	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-140A	13L2500B	1	18.7	0.4	140	Commercial	Pond 8-2	0.80	0.70	23	38	0.66	0.14	2.22	0.22	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-140D	13L2500B	1	18.7	2.4	140	Commercial	Pond 8-2	0.80	0.70	23	38	3.73	0.52	12.52	0.85	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-182rD	13L2500B	1	18.7	0.1	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-186A	13L2500B	1	18.7	0.5	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-186D	13L2500B	1	18.7	1.5	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-190D	13L2500B	1	18.7	0.3	190	Open Land	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2500B-600D	13L2500B	1	18.7	7.7	600	Wetland	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L2520B-120A	13L2520B	1	17.2	1.1	120	Medium Density Residential	Pond 8-2	0.64	0.38	18	21	0.40	0.04	1.78	0.16	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2520B-120D	13L2520B	1	17.2	1.2	120	Medium Density Residential	Pond 8-2	0.64	0.38	18	21	0.53	0.06	2.33	0.21	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2520B-130A	13L2520B	1	17.2	14.5	130	High Density Residential	Pond 8-2	0.64	0.38	18	21	15.64	2.35	69.46	8.97	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2520B-130D	13L2520B	1	17.2	0.4	130	High Density Residential	Pond 8-2	0.64	0.38	18	21	0.49	0.07	2.19	0.28	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2520B-140A	13L2520B	1	17.2	0.0	140	Commercial	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.06	0.01	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2520B-600D	13L2520B	1	17.2	0.1	600	Wetland	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2540B-130A	13L2540B	1	4.2	0.0	130	High Density Residential	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2540B-130D	13L2540B	1	4.2	0.0	130	High Density Residential	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.02	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2540B-140A	13L2540B	1	4.2	0.4	140	Commercial	Pond 8-2	0.20	0.20	6	11	0.02	0.00	0.27	0.04	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2540B-140D	13L2540B	1	4.2	3.7	140	Commercial	Pond 8-2	0.20	0.20	6	11	0.16	0.04	2.69	0.37	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2540B-600D	13L2540B	1	4.2	0.0	600	Wetland	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2560B-130A	13L2560B	1	14.3	0.1	130	High Density Residential	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.04	0.01	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2560B-140A	13L2560B	1	14.3	13.5	140	Commercial	Pond 8-2	0.20	0.20	6	11	0.58	0.16	9.56	1.30	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2560B-140D	13L2560B	1	14.3	0.7	140	Commercial	Pond 8-2	0.20	0.20	6	11	0.03	0.01	0.52	0.07	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2560B-186A	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2560B-186D	13L2560B	1	14.3	0.0	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.20	0.20	6	11	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13L2700B-120D	13L2700B	1	5.3	0.4	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	0.56	0.17	1.38	0.14	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2700B-130D	13L2700B	1	5.3	3.1	130	High Density Residential	Pond 8-2	1.00	1.00	29	55	11.11	4.74	27.57	3.93	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2700B-140D	13L2700B	1	5.3	0.3	140	Commercial	Pond 8-2	1.00	1.00	29	55	1.83	0.44	4.53	0.37	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2700B-186D	13L2700B	1	5.3	0.0	186	Recreational 2 (Parks w/facilities)	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2700B-190D	13L2700B	1	5.3	0.0	190	Open Land	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2700B-430D	13L2700B	1	5.3	0.8	430	Upland Mixed Forest	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2700B-500D	13L2700B	1	5.3	0.6	500	Water	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L2720B-120D	13L2720B	1	5.3	5.0	120	Medium Density Residential	Pond 8-2	0.64	0.38	18	21	1.94	0.10	8.60	0.37	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2720B-130D	13L2720B	1	5.3	0.0	130	High Density Residential	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.02	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2720B-182rD	13L2720B	1	5.3	0.3	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.03	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-140A	13L2750B	1	29.1	0.2	140	Commercial	Pond 8-2	0.64	0.38	18	21	0.31	0.03	1.38	0.11	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-140D	13L2750B	1	29.1	20.8	140	Commercial	Pond 8-2	0.64	0.38	18	21	37.35	3.60	165.85	13.74	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-186D	13L2750B	1	29.1	0.2	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.07	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-190D	13L2750B	1	29.1	2.5	190	Open Land	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-430D	13L2750B	1	29.1	2.5	430	Upland Mixed Forest	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-500D	13L2750B	1	29.1	2.7	500	Water	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L2750B-600D	13L2750B	1	29.1	0.2	600	Wetland	Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13L3000B-120D	13L3000B	1	1.6	0.0	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	0.01	0.00	0.02	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L3000B-130D	13L3000B	1	1.6	1.4	130	High Density Residential	Pond 8-2	1.00	1.00	29	55	4.87	2.08	12.08	1.72	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L3000B-140D	13L3000B	1	1.6	0.0	140	Commercial	Pond 8-2	1.00	1.00	29	55	0.19	0.05	0.48	0.04	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L3000B-500D	13L3000B	1	1.6	0.2	500	Water	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13L3140B-120A	13L3140B	1	38.1	0.0	120	Medium Density Residential	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.01	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-120D	13L3140B	1	38.1	0.8	120	Medium Density Residential	Pond 8-2	0.80	0.70	23	38	0.26	0.06	0.89	0.10	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-130A	13L3140B	1	38.1	0.3	130	High Density Residential	Pond 8-2	0.80	0.70	23	38	0.43	0.14	1.46	0.23	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-140A	13L3140B	1	38.1	4.9	140	Commercial	Pond 8-2	0.80	0.70	23	38	13.80	2.89	46.27	4.67	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-140D	13L3140B	1	38.1	18.5	140	Commercial	Pond 8-2	0.80	0.70	23	38	52.73	11.04	176.76	17.83	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-186A	13L3140B	1	38.1	0.2	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-186D	13L3140B	1	38.1	5.8	186	Recreational 2 (Parks w/facilities)	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-430A	13L3140B	1	38.1	2.2	430	Upland Mixed Forest	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13L3140B-430D	13L3140B	1	38.1	0.2	430	Upland Mixed Forest	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Pond 8-2 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Pond 1-3 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 1-3 Total N Removal Efficiency (%)	Pond 1-3 Total P Removal Efficiency (%)	Pond 1-3 Add'l N Removal Lake 3 (MLT) (lbs/yr)	Pond 1-3 Add'l P Removal Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)
13L3140B-600D	13L3140B	1	38.1	5.2	600	Wetland	Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0050B-120A	13N0050B	3	13.3	4.2	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	7.76	0.53
13N0050B-120D	13N0050B	3	13.3	7.4	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	17.75	1.53
13N0050B-182rA	13N0050B	3	13.3	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0050B-182rD	13N0050B	3	13.3	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.01	0.00
13N0050B-500A	13N0050B	3	13.3	0.6	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0050B-500D	13N0050B	3	13.3	0.9	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0050B-600A	13N0050B	3	13.3	0.0	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0050B-600D	13N0050B	3	13.3	0.2	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0100B-120A	13N0100B	3	15.6	3.7	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	7.28	0.67
13N0100B-120D	13N0100B	3	15.6	10.1	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	24.61	2.19
13N0100B-500A	13N0100B	3	15.6	0.4	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0100B-500D	13N0100B	3	15.6	1.4	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0100B-600D	13N0100B	3	15.6	0.1	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B-120D	13N0200B	3	3.5	0.9	120	Medium Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0200B-600D	13N0200B	3	3.5	2.6	600	Wetland	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0200B2-120A	13N0200B2	3	37.1	2.1	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-120D	13N0200B2	3	37.1	13.6	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-120W	13N0200B2	3	37.1	0.0	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-500D	13N0200B2	3	37.1	0.3	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-500W	13N0200B2	3	37.1	9.8	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-600D	13N0200B2	3	37.1	9.0	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-600W	13N0200B2	3	37.1	2.2	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0200B2-8100D	13N0200B2	3	37.1	0.1	8100	Transportation	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.12	0.00
13N0201B-120A	13N0201B	3	9.4	7.7	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	26.69	2.70
13N0201B-120D	13N0201B	3	9.4	0.0	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.21	0.03
13N0201B-130A	13N0201B	3	9.4	0.0	130	High Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.27	0.06
13N0201B-186A	13N0201B	3	9.4	0.3	186	Recreational 2 (Parks w/facilities)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.01	0.00
13N0201B-186D	13N0201B	3	9.4	1.4	186	Recreational 2 (Parks w/facilities)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	1.03	0.12
13N0301B-120A	13N0301B	3	14.4	1.5	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	2.92	0.26
13N0301B-120D	13N0301B	3	14.4	9.2	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	18.49	0.59
13N0301B-182rA	13N0301B	3	14.4	0.6	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0301B-182rD	13N0301B	3	14.4	3.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.36	0.03
13N0302B-120A	13N0302B	3	23.3	0.0	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0302B-120D	13N0302B	3	23.3	15.4	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	35.43	2.59
13N0302B-182rD	13N0302B	3	23.3	7.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0600B-120A	13N0600B	3	30.8	3.0	120	Medium Density Residential	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	5.09	0.00
13N0600B-120D	13N0600B	3	30.8	25.4	120	Medium Density Residential	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	59.99	2.29
13N0600B-430D	13N0600B	3	30.8	2.4	430	Upland Mixed Forest	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0600B-600A	13N0600B	3	30.8	0.1	600	Wetland	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0600B-600D	13N0600B	3	30.8	0.0	600	Wetland	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00	0.00	0.59	0.31	0	0	0.00	0.00	0.00	0.00
13N0650B-120D	13N0650B	3	42.4	25.4	120	Medium Density Residential	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-430D	13N0650B	3	42.4	8.4	430	Upland Mixed Forest	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-500D	13N0650B	3	42.4	0.0	500	Water	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-500W	13N0650B	3	42.4	4.8	500	Water	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-600D	13N0650B	3	42.4	2.1	600	Wetland	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0650B-600W	13N0650B	3	42.4	1.7	600	Wetland	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
13N0700B-120A	13N0700B	3	4.6	0.0	120	Medium Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-120D	13N0700B	3	4.6	0.5	120	Medium Density Residential	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-500D	13N0700B	3	4.6	0.0	500	Water	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-600A	13N0700B	3	4.6	0.4	600	Wetland	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B-600D	13N0700B	3	4.6	3.7	600	Wetland	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00	0.00	0.80	0.70	0	0	0.00	0.00	0.00	0.00
13N0700B2-120A	13N0700B2	6	100.1	28.7	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-120D	13N0700B2	6	100.1	12.9	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-120W	13N0700B2	6	100.1	0.2	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-140A	13N0700B2	6	100.1	5.3	140	Commercial	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-140D	13N0700B2	6	100.1	0.2	140	Commercial	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-186A	13N0700B2	6	100.1	1.8	186	Recreational 2 (Parks w/facilities)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-186D	13N0700B2	6	100.1	0.1	186	Recreational 2 (Parks w/facilities)	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-430A	13N0700B2	6	100.1	10.6	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-430D	13N0700B2	6	100.1	4.4	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-430W	13N0700B2	6	100.1	0.3	430	Upland Mixed Forest	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-500A	13N0700B2	6	100.1	0.2	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-500D	13N0700B2	6	100.1	0.3	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-500W	13N0700B2	6	100.1	15.4	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-600A	13N0700B2	6	100.1	2.6	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-600D	13N0700B2	6	100.1	11.5	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0700B2-600W	13N0700B2	6	100.1	5.4	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0701B-120A	13N0701B	6	24.6	2.3	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.02	0.00
13N0701B-120D	13N0701B	6	24.6	15.7	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.07	0.00
13N0701B-185A	13N0701B	6	24.6	2.0	185	Recreational 1 (Parks w/little impervious	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B-185D	13N0701B	6	24.6	4.6	185	Recreational 1 (Parks w/little impervious	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.01	0.00
13N0701B2-120A	13N0701B2	6	4.9	0.0	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0701B2-120D	13N0701B2	6	4.9	4.9	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0701B3-120A	13N0701B3	6	2.4	2.3	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0701B3-120D	13N0701B3	6	2.4	0.1	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0702B2-120A	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-120D	13N0702B2	6	3.6	0.0	120	Medium Density Residential	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-140A	13N0702B2	6	3.6	0.2	140	Commercial	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.01	0.00
13N0702B2-140D	13N0702B2	6	3.6	3.0	140	Commercial	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.11	0.02
13N0702B2-186A	13N0702B2	6	3.6	0.0	186	Recreational 2 (Parks w/facilities)	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-186D	13N0702B2	6	3.6	0.4	186	Recreational 2 (Parks w/facilities)	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-430A	13N0702B2	6	3.6	0.1	430	Upland Mixed Forest	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0702B2-430D	13N0702B2	6	3.6	0.0	430	Upland Mixed Forest	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0	0	0.00	0.00	0.00	0.00
13N0710B-120D	13N0710B	6	11.0	10.2	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.01	0.00
13N0710B-600D	13N0710B	6	11.0	0.9	600	Wetland	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0720B-120D	13N0720B	6	7.9	7.9	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0720B-600D	13N0720B	6	7.9	0.0	600	Wetland	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Pond 8-2 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Pond 1-3 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 1-3 Total N Removal Efficiency (%)	Pond 1-3 Total P Removal Efficiency (%)	Pond 1-3 Add'l N Removal Lake 3 (MLT) (lbs/yr)	Pond 1-3 Add'l P Removal Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)
13N0730B-120D	13N0730B	6	18.8	18.8	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0740B-120D	13N0740B	6	12.4	12.4	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13N0750B-120D	13N0750B	6	3.5	2.8	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.09	0.01
13N0750B-600D	13N0750B	6	3.5	0.7	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0751B-120D	13N0751B	6	45.5	45.5	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0752B-120D	13N0752B	6	8.0	7.2	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.07	0.00
13N0752B-185D	13N0752B	6	8.0	0.9	185	Recreational 1 (Parks w/little impervious	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-120A	13N0800B	3	4.9	0.1	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.14	0.01
13N0800B-120D	13N0800B	3	4.9	4.0	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	9.94	0.92
13N0800B-500D	13N0800B	3	4.9	0.6	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-600A	13N0800B	3	4.9	0.0	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0800B-600D	13N0800B	3	4.9	0.1	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0850B-120D	13N0850B	3	4.5	1.7	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	4.10	0.38
13N0850B-120W	13N0850B	3	4.5	0.0	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0850B-500W	13N0850B	3	4.5	1.2	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0850B-600D	13N0850B	3	4.5	0.3	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0850B-600W	13N0850B	3	4.5	1.4	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0900B-120A	13N0900B	3	7.4	0.9	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	1.56	0.08
13N0900B-120D	13N0900B	3	7.4	5.6	120	Medium Density Residential	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	12.17	0.69
13N0900B-500D	13N0900B	3	7.4	0.9	500	Water	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13N0900B-600D	13N0900B	3	7.4	0.0	600	Wetland	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00	0.00	0.64	0.38	0	0	0.00	0.00	0.00	0.00
13P0200B-120A	13P0200B	3	10.7	1.2	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	4.26	0.55
13P0200B-120D	13P0200B	3	10.7	9.3	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	38.92	3.29
13P0200B-182rD	13P0200B	3	10.7	0.3	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.06	0.01
13P0400B-120A	13P0400B	3	2.1	0.1	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0400B-120D	13P0400B	3	2.1	0.7	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	1.03	0.00
13P0400B-182rA	13P0400B	3	2.1	0.4	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0400B-182rD	13P0400B	3	2.1	1.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.10	0.01
13P0500B-120A	13P0500B	3	12.3	1.9	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.42	0.00
13P0500B-120D	13P0500B	3	12.3	5.8	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	1.32	0.00
13P0500B-182rA	13P0500B	3	12.3	0.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0500B-182rD	13P0500B	3	12.3	2.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0500B-600A	13P0500B	3	12.3	0.1	600	Wetland	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0500B-600D	13P0500B	3	12.3	1.9	600	Wetland	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0500B2-120A	13P0500B2	3	2.5	2.0	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	3.70	0.26
13P0500B2-120D	13P0500B2	3	2.5	0.4	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.86	0.06
13P0500B2-182rA	13P0500B2	3	2.5	0.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0500B2-600A	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0500B2-600D	13P0500B2	3	2.5	0.0	600	Wetland	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0501B_1-120D	13P0501B_1	3	4.5	1.4	120	Medium Density Residential	0.00	0.80	0.60	0	0	0.00	0.00	0.00	0.00	Pond 1-3	0.80	0.60	31	39	1.20	0.00	2.67	0.46
13P0501B_1-182rD	13P0501B_1	3	4.5	3.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.80	0.60	0	0	0.00	0.00	0.00	0.00	Pond 1-3	0.80	0.60	31	39	0.12	0.00	0.28	0.05
13P0502B-120D	13P0502B	3	4.6	2.7	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	5.35	0.25
13P0502B-182rD	13P0502B	3	4.6	1.9	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.21	0.02
13P0800B-120D	13P0800B	3	0.8	0.7	120	Medium Density Residential	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	1.68	0.12
13P0800B-182rD	13P0800B	3	0.8	0.0	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00	0.00	0.58	0.26	0	0	0.00	0.00	0.00	0.00
13P0900B-120D	13P0900B	3	2.3	1.0	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	1.96	0.00	3.09	0.80
13P0900B-182rD	13P0900B	3	2.3	1.3	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.12	0.00	0.18	0.05
13P0950B-120D	13P0950B	3	9.8	5.9	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	10.40	0.00	16.40	3.52
13P0950B-170D	13P0950B	3	9.8	0.2	170	Institutional	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.22	0.00	0.35	0.03
13P0950B-182rD	13P0950B	3	9.8	3.7	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.33	0.00	0.53	0.14
13P0950B-430D	13P0950B	3	9.8	0.0	430	Upland Mixed Forest	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13P1000B-120D	13P1000B	3	11.5	8.1	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	12.81	0.00	20.21	2.39
13P1000B-140D	13P1000B	3	11.5	1.3	140	Commercial	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	8.70	0.00	13.71	2.37
13P1000B-182rD	13P1000B	3	11.5	2.1	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13P1250B-120D	13P1250B	3	4.2	0.4	120	Medium Density Residential	0.00	0.80	0.60	0	0	0.00	0.00	0.00	0.00	Pond 1-3	0.80	0.60	31	39	0.37	0.00	0.83	0.14
13P1250B-182rD	13P1250B	3	4.2	3.8	182r	Golf Course (w/Reclaimed Irrigation)	0.00	0.80	0.60	0	0	0.00	0.00	0.00	0.00	Pond 1-3	0.80	0.60	31	39	0.15	0.00	0.33	0.06
13P1300B-120D	13P1300B	3	1.5	1.3	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	2.49	0.00	3.93	1.02
13P1300B-182rD	13P1300B	3	1.5	0.2	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.02	0.00	0.03	0.01
13P1650B-120D	13P1650B	3	2.2	0.0	120	Medium Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.04	0.00	0.07	0.02
13P1650B-130D	13P1650B	3	2.2	0.6	130	High Density Residential	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	2.90	0.00	4.58	1.56
13P1650B-182rD	13P1650B	3	2.2	1.5	182r	Golf Course (w/Reclaimed Irrigation)	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00	Pond 1-3	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13P1800B-130D	13P1800B	1	6.6	0.6	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.67	0.10	2.96	0.38	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.12	0.00	-0.12
13P1800B-130W	13P1800B	1	6.6	0.1	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.08	0.01	0.34	0.04	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.01	0.00	-0.01
13P1800B-140D	13P1800B	1	6.6	0.2	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.27	0.03	1.22	0.10	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.03	0.00	-0.03
13P1800B-182rD	13P1800B	1	6.6	3.5	182r	Golf Course (w/Reclaimed Irrigation)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1800B-182rW	13P1800B	1	6.6	0.0	182r	Golf Course (w/Reclaimed Irrigation)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1800B-500D	13P1800B	1	6.6	0.1	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1800B-500W	13P1800B	1	6.6	2.0	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1800B-600D	13P1800B	1	6.6	0.2	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1801B-120D	13P1801B	1	3.3	0.2	120	Medium Density Residential	Pond 8-2	1.00	1.00	29	55	0.29	0.09	0.71	0.07	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1801B-130D	13P1801B	1	3.3	3.0	130	High Density Residential	Pond 8-2	1.00	1.00	29	55	10.89	4.64	27.02	3.85	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1801B-140D	13P1801B	1	3.3	0.1	140	Commercial	Pond 8-2	1.00	1.00	29	55	0.45	0.12	1.11	0.10	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1810B-140D	13P1810B	5	10.0	5.4	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	4.84	0.46	21.50	1.77	Pond 1-3 Pond 8-2	0.64	0.38	25	25	6.54	0.56	19.80	1.68
13P1810B-182rD	13P1810B	5	10.0	0.0	182r	Golf Course (w/Reclaimed Irrigation)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1810B-186D	13P1810B	5	10.0	4.6	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.15	0.01	0.67	0.03	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.21	0.01	0.62	0.03
13P1814B-130D	13P1814B	1	5.1	0.0	130	High Density Residential	Pond 8-2	1.00	1.00	29	55	0.13	0.06	0.33	0.05	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1814B-140D	13P1814B	1	5.1	4.3	140	Commercial	Pond 8-2	1.00	1.00	29	55	20.27	5.54	50.30	4.60	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1814B-182rD	13P1814B	1	5.1	0.1	182r	Golf Course (w/Reclaimed Irrigation)	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1814B-186D	13P1814B	1	5.1	0.0	186	Recreational 2 (Parks w/facilities)	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1814B-600D	13P1814B	1	5.1	0.6	600	Wetland	Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0	0	0.00	0.00	0.00	0.00
13P1826B-120D	13P1826B	5	18.5	4.6	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	1.42	0.22	4.75	0.36	Pond 1-3 Pond 8-2	0.80	0.70	31	46	1.91	0.26	4.25	0.31
13P1826B-140D	13P1826B	5	18.5	8.6	140	Commercial	Pond 1-3 Pond 8-2	0.80	0.70	23	38	13.94	2.76	46.74	4.46	Pond 1-3 Pond 8-2	0.80	0.70	31	46	18.84	3.30	41.84	3.92
13P1826B-170D	13P1826B	5	18.5	1.7	170	Institutional	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.43	0.02	1.44	0.02	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.58	0.02	1.29	0.02
13P1826B-186D	13P1826B	5	18.5	1.7	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P1826B-430D	13P1826B	5	18.5	0.9	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P1826B-600D	13P1826B	5	18.5	0.9	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P1900B-140D	13P1900B	5	25.9	11.7	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	3.26	0.31	14.49	1.20	Pond 1-3 Pond 8-2	0.64	0.38	25	25	4.41	0.38	13.35	1.14
13P1900B-140W	13P1900B	5	25.9	0.0	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Pond 8-2 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Pond 1-3 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 1-3 Total N Removal Efficiency (%)	Pond 1-3 Total P Removal Efficiency (%)	Pond 1-3 Add'l N Removal Lake 3 (MLT) (lbs/yr)	Pond 1-3 Add'l P Removal Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)
13P1900B-186D	13P1900B	5	25.9	0.1	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1900B-500D	13P1900B	5	25.9	0.2	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1900B-500W	13P1900B	5	25.9	5.1	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1900B-600D	13P1900B	5	25.9	8.2	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1900B-600W	13P1900B	5	25.9	0.7	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P1901B-140D	13P1901B	5	2.9	0.9	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	2.57	0.70	6.38	0.58	Pond 1-3 Pond 8-2	1.00	1.00	39	65	3.47	0.84	5.47	0.45
13P1901B-186D	13P1901B	5	2.9	2.0	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.20	0.03	0.49	0.03	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.27	0.04	0.42	0.02
13P1902B-140D	13P1902B	5	1.8	1.8	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	4.89	1.34	12.13	1.11	Pond 1-3 Pond 8-2	1.00	1.00	39	65	6.61	1.60	10.42	0.85
13P1902B-600D	13P1902B	5	1.8	0.1	600	Wetland	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13P1920B-120D	13P1920B	5	9.1	0.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.01	0.00
13P1920B-140D	13P1920B	5	9.1	9.0	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	24.59	6.72	61.04	5.59	Pond 1-3 Pond 8-2	1.00	1.00	39	65	33.23	8.04	52.40	4.27
13P1920B-185D	13P1920B	5	9.1	0.0	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13P1920B-600D	13P1920B	5	9.1	0.1	600	Wetland	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13P2010B-140D	13P2010B	5	0.9	0.0	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.11	0.03	0.28	0.03	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.15	0.04	0.24	0.02
13P2010B-186D	13P2010B	5	0.9	0.9	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.09	0.02	0.23	0.02	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.12	0.02	0.20	0.01
13P2014B-140D	13P2014B	5	1.7	0.1	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.21	0.06	0.52	0.05	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.28	0.07	0.44	0.04
13P2014B-186D	13P2014B	5	1.7	1.6	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.17	0.04	0.42	0.03	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.23	0.05	0.36	0.02
13P2050B-120D	13P2050B	5	6.6	0.3	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.22	0.06	0.53	0.05	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.29	0.08	0.46	0.04
13P2050B-140D	13P2050B	5	6.6	5.9	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	16.10	4.38	39.95	3.64	Pond 1-3 Pond 8-2	1.00	1.00	39	65	21.75	5.24	34.30	2.78
13P2050B-186D	13P2050B	5	6.6	0.4	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.04	0.01	0.10	0.01	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.06	0.01	0.09	0.01
13P2250B-120D	13P2250B	5	49.8	15.1	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2250B-120W	13P2250B	5	49.8	0.1	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2250B-140D	13P2250B	5	49.8	18.6	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	11.60	1.06	51.52	4.04	Pond 1-3 Pond 8-2	0.64	0.38	25	25	15.68	1.26	47.45	3.83
13P2250B-186D	13P2250B	5	49.8	0.2	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2250B-500D	13P2250B	5	49.8	0.7	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2250B-500W	13P2250B	5	49.8	12.1	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2250B-600D	13P2250B	5	49.8	2.5	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2250B-600W	13P2250B	5	49.8	0.5	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2300B-140D	13P2300B	5	9.0	5.8	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	5.21	0.50	23.13	1.89	Pond 1-3 Pond 8-2	0.64	0.38	25	25	7.04	0.59	21.30	1.79
13P2300B-186D	13P2300B	5	9.0	3.2	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.11	0.01	0.49	0.03	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.15	0.01	0.45	0.03
13P2400B-140D	13P2400B	5	6.3	3.6	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	3.26	0.31	14.45	1.20	Pond 1-3 Pond 8-2	0.64	0.38	25	25	4.40	0.38	13.31	1.14
13P2400B-186D	13P2400B	5	6.3	2.7	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.09	0.01	0.42	0.03	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.13	0.01	0.39	0.03
13P2450B-140D	13P2450B	5	4.4	3.7	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	10.21	2.79	25.34	2.32	Pond 1-3 Pond 8-2	1.00	1.00	39	65	13.79	3.34	21.75	1.77
13P2450B-186D	13P2450B	5	4.4	0.7	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.07	0.02	0.17	0.01	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.09	0.02	0.15	0.01
13P2600B-110D	13P2600B	5	344.8	2.0	110	Low Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-120A	13P2600B	5	344.8	0.6	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-120D	13P2600B	5	344.8	147.7	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-120W	13P2600B	5	344.8	0.8	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-130D	13P2600B	5	344.8	0.0	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-140A	13P2600B	5	344.8	0.8	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.43	0.04	1.90	0.16	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.58	0.05	1.75	0.15
13P2600B-140D	13P2600B	5	344.8	42.2	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	22.56	2.17	100.16	8.30	Pond 1-3 Pond 8-2	0.64	0.38	25	25	30.48	2.60	92.24	7.87
13P2600B-155D	13P2600B	5	344.8	2.0	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-185D	13P2600B	5	344.8	4.8	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-310D	13P2600B	5	344.8	3.6	310	Dry Prairie	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-500D	13P2600B	5	344.8	2.7	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-500W	13P2600B	5	344.8	124.1	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-600D	13P2600B	5	344.8	10.7	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2600B-600W	13P2600B	5	344.8	2.8	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2640B-120D	13P2640B	5	8.5	1.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.70	0.21	1.73	0.17	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.94	0.25	1.48	0.13
13P2640B-140D	13P2640B	5	8.5	5.0	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	13.61	3.72	33.77	3.09	Pond 1-3 Pond 8-2	1.00	1.00	39	65	18.38	4.45	28.99	2.36
13P2640B-186D	13P2640B	5	8.5	2.5	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.27	0.06	0.66	0.05	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.36	0.07	0.57	0.04
13P2645B-140D	13P2645B	5	4.1	3.0	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	8.15	2.23	20.24	1.85	Pond 1-3 Pond 8-2	1.00	1.00	39	65	11.02	2.67	17.37	1.41
13P2645B-186D	13P2645B	5	4.1	1.2	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.12	0.03	0.31	0.02	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.17	0.03	0.26	0.02
13P2646B-140D	13P2646B	5	8.5	6.8	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	18.77	5.13	46.57	4.26	Pond 1-3 Pond 8-2	1.00	1.00	39	65	25.35	6.14	39.98	3.26
13P2646B-186D	13P2646B	5	8.5	1.7	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.18	0.04	0.44	0.03	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.24	0.05	0.38	0.03
13P2646B_1-140D	13P2646B_1	5	1.6	1.6	140	Commercial	Pond 1-3 Pond 8-2	0.20	0.20	6	11	0.03	0.01	0.57	0.08	Pond 1-3 Pond 8-2	0.20	0.20	8	13	0.05	0.01	0.56	0.08
13P2648B-120A	13P2648B	5	26.8	7.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	1.26	0.29	4.22	0.47	Pond 1-3 Pond 8-2	0.80	0.70	31	46	1.70	0.35	3.78	0.41
13P2648B-120D	13P2648B	5	26.8	1.9	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.50	0.11	1.67	0.19	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.67	0.14	1.50	0.16
13P2648B-120W	13P2648B	5	26.8	0.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2648B-140A	13P2648B	5	26.8	0.0	140	Commercial	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.07	0.02	0.24	0.02	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.10	0.02	0.22	0.02
13P2648B-140D	13P2648B	5	26.8	12.9	140	Commercial	Pond 1-3 Pond 8-2	0.80	0.70	23	38	20.03	4.19	67.15	6.77	Pond 1-3 Pond 8-2	0.80	0.70	31	46	27.06	5.02	60.12	5.95
13P2648B-600A	13P2648B	5	26.8	1.3	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2648B-600D	13P2648B	5	26.8	0.2	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2648B-600W	13P2648B	5	26.8	1.7	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2648B-643A	13P2648B	5	26.8	0.6	643	Wet Prairie	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2648B-643D	13P2648B	5	26.8	1.3	643	Wet Prairie	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-120A	13P2660B	5	26.2	8.6	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-120D	13P2660B	5	26.2	2.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-140D	13P2660B	5	26.2	3.3	140	Commercial	Pond 1-3 Pond 8-2	0.80	0.70	23	38	3.18	0.67	10.65	1.07	Pond 1-3 Pond 8-2	0.80	0.70	31	46	4.29	0.80	9.54	0.94
13P2660B-186A	13P2660B	5	26.2	0.1	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-430A	13P2660B	5	26.2	0.3	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-430D	13P2660B	5	26.2	2.5	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-600A	13P2660B	5	26.2	1.8	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2660B-600D	13P2660B	5	26.2	7.6	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2661B-120A	13P2661B	5	29.9	16.7	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	2.55	0.59	8.54	0.95	Pond 1-3 Pond 8-2	0.80	0.70	31	46	3.44	0.70	7.65	0.83
13P2661B-120D	13P2661B	5	29.9	1.9	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.46	0.11	1.53	0.17	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.62	0.13	1.37	0.15
13P2661B-140A	13P2661B	5	29.9	0.2	140	Commercial	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.23	0.05	0.76	0.08	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.31	0.06	0.68	0.07
13P2661B-186A	13P2661B	5	29.9	4.4	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2661B-430A	13P2661B	5	29.9	2.7	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2661B-430D	13P2661B	5	29.9	0.0	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2661B-600A	13P2661B	5	29.9	0.9	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2661B-600D	13P2661B	5	29.9	3.1	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13P2800B-120D	13P2800B	5	151.5	69.2	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	16.45	1.74	73.04	6.65	Pond 1-3 Pond 8-2	0.64	0.38	25	25	22.22	2.08	67.26	6.31
13P2800B-130A	13P2800B	5	151.5	0.2	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.13	0.02	0.58	0.08	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.18	0.02	0.53	0.07
13P2800B-130D	13P2800B	5	151.5	34.6	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	23.54	3.54	104.51	13.50	Pond 1-3 Pond 8-2	0.64	0.38	25	25	31.80	4.23	96.25	12.81
13P2800B-140D	13P2800B	5	151.5	18.7	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	19.97	1.93	88.68	7.35	Pond 1-3 Pond 8-2	0.64	0.38	25	25	26.98	2.30	81.67	6.97
13P2800B-170D	13P2800B	5	151.5	4.4	170	Institutional	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.89	0.07	3.96	0.27	Pond 1-3 Pond 8-2	0.64	0.38	25	25	1.20	0.08	3.65	0.26
13P2800B-186A	13P2800B	5	151.5	2.5	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00

Appendix C.8: Pollutant Load Calculations - Design Scenario 3

Sub Area ID	Subbasin Name	Lake System	Sub-basin Area (acres)	Sub Area (acres)	Land Use Code	Simplified Land Use	Pond 8-2 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 8-2 Total N Removal Efficiency (%)	Pond 8-2 Total P Removal Efficiency (%)	Pond 8-2 Add'l N Removal Lake 1 (QM) (lbs/yr)	Pond 8-2 Add'l P Removal Lake 1 (QM) (lbs/yr)	Total N Load to Lake 1 (QM) (lbs/yr)	Total P Load to Lake 1 (QM) (lbs/yr)	Pond 1-3 Additional Treatment -	Trtmt Train N-Eff. Reduction Factor -	Trtmt Train P-Eff. Reduction Factor -	Pond 1-3 Total N Removal Efficiency (%)	Pond 1-3 Total P Removal Efficiency (%)	Pond 1-3 Add'l N Removal Lake 3 (MLT) (lbs/yr)	Pond 1-3 Add'l P Removal Lake 3 (MLT) (lbs/yr)	Total N Load to Lake 3 (MLT) (lbs/yr)	Total P Load to Lake 3 (MLT) (lbs/yr)
13P2800B-186D	13P2800B	5	151.5	16.2	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.12	0.01	0.54	0.04	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.16	0.01	0.49	0.03
13P2800B-500D	13P2800B	5	151.5	4.6	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2800B-600D	13P2800B	5	151.5	1.1	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P2900B-120D	13P2900B	5	24.3	19.1	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	5.42	0.57	24.06	2.19	Pond 1-3 Pond 8-2	0.64	0.38	25	25	7.32	0.69	22.16	2.08
13P2900B-130D	13P2900B	5	24.3	4.7	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	3.44	0.52	15.26	1.97	Pond 1-3 Pond 8-2	0.64	0.38	25	25	4.64	0.62	14.05	1.87
13P2900B-140D	13P2900B	5	24.3	0.2	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.26	0.02	1.14	0.09	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.35	0.03	1.05	0.09
13P2900B-310D	13P2900B	5	24.3	0.3	310	Dry Prairie	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P3400B-140D	13P3400B	5	15.5	13.9	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	12.50	1.21	55.52	4.60	Pond 1-3 Pond 8-2	0.64	0.38	25	25	16.89	1.44	51.13	4.36
13P3400B-186D	13P3400B	5	15.5	0.0	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P3400B-430D	13P3400B	5	15.5	0.3	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13P3400B-500D	13P3400B	5	15.5	1.2	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0500B-120D	13Q0500B	5	3.5	2.7	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	1.89	0.57	4.68	0.47	Pond 1-3 Pond 8-2	1.00	1.00	39	65	2.55	0.68	4.02	0.36
13Q0500B-140D	13Q0500B	5	3.5	0.7	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	2.06	0.56	5.10	0.47	Pond 1-3 Pond 8-2	1.00	1.00	39	65	2.78	0.67	4.38	0.36
13Q0820B-120A	13Q0820B	5	39.9	0.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.01	0.00
13Q0820B-120D	13Q0820B	5	39.9	32.5	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	7.38	0.78	32.75	2.98	Pond 1-3 Pond 8-2	0.64	0.38	25	25	9.97	0.93	30.16	2.83
13Q0820B-140D	13Q0820B	5	39.9	5.5	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	4.92	0.47	21.84	1.81	Pond 1-3 Pond 8-2	0.64	0.38	25	25	6.65	0.57	20.11	1.72
13Q0820B-186D	13Q0820B	5	39.9	0.0	186	Recreational 2 (Parks w/facilities)	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.01	0.00
13Q0820B-500D	13Q0820B	5	39.9	1.9	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0840B-120D	13Q0840B	5	3.1	0.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13Q0840B-155D	13Q0840B	5	3.1	0.3	155	Industrial	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13Q0840B-185D	13Q0840B	5	3.1	0.1	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13Q0840B-600D	13Q0840B	5	3.1	2.7	600	Wetland	Pond 1-3 Pond 8-2	0.80	0.70	23	38	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.80	0.70	31	46	0.00	0.00	0.00	0.00
13Q0860B-120A	13Q0860B	5	12.7	0.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.02	0.00	0.05	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.02	0.00	0.04	0.00
13Q0860B-120D	13Q0860B	5	12.7	1.5	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.88	0.13	2.18	0.11	Pond 1-3 Pond 8-2	1.00	1.00	39	65	1.19	0.16	1.87	0.08
13Q0860B-155A	13Q0860B	5	12.7	0.8	155	Industrial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0860B-155D	13Q0860B	5	12.7	0.5	155	Industrial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.07	0.03	0.17	0.02	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.09	0.03	0.14	0.02
13Q0860B-185A	13Q0860B	5	12.7	3.8	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0860B-430A	13Q0860B	5	12.7	4.0	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0860B-430D	13Q0860B	5	12.7	1.4	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0860B-500A	13Q0860B	5	12.7	0.0	500	Water	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0860B-500D	13Q0860B	5	12.7	0.7	500	Water	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0861B-120A	13Q0861B	5	5.1	0.3	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.05	0.00	0.21	0.02	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.06	0.01	0.19	0.02
13Q0861B-120D	13Q0861B	5	5.1	1.2	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.22	0.01	0.99	0.04	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.30	0.01	0.92	0.03
13Q0861B-155A	13Q0861B	5	5.1	0.8	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0861B-155D	13Q0861B	5	5.1	1.4	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.05	0.00	0.23	0.02	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.07	0.01	0.22	0.02
13Q0861B-185A	13Q0861B	5	5.1	1.2	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0861B-185D	13Q0861B	5	5.1	0.0	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0861B-430A	13Q0861B	5	5.1	0.2	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0861B-430D	13Q0861B	5	5.1	0.0	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0870B-155A	13Q0870B	5	10.1	1.8	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.01	0.00	0.04	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.01	0.00	0.03	0.00
13Q0870B-155D	13Q0870B	5	10.1	6.4	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.18	0.00	0.81	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.25	0.00	0.75	0.00
13Q0870B-430D	13Q0870B	5	10.1	0.1	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0870B-500D	13Q0870B	5	10.1	1.7	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0870B-600D	13Q0870B	5	10.1	0.1	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0875B-120D	13Q0875B	5	5.1	4.5	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	2.72	0.43	6.75	0.35	Pond 1-3 Pond 8-2	1.00	1.00	39	65	3.67	0.51	5.79	0.27
13Q0875B-500D	13Q0875B	5	5.1	0.4	500	Water	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0875B-600D	13Q0875B	5	5.1	0.2	600	Wetland	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0880B-120D	13Q0880B	5	7.8	4.6	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	2.76	0.42	6.86	0.35	Pond 1-3 Pond 8-2	1.00	1.00	39	65	3.73	0.50	5.89	0.27
13Q0880B-185D	13Q0880B	5	7.8	3.2	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0880B-600D	13Q0880B	5	7.8	0.0	600	Wetland	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0885B-120D	13Q0885B	5	9.0	8.1	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	5.23	1.20	12.97	0.99	Pond 1-3 Pond 8-2	1.00	1.00	39	65	7.06	1.43	11.13	0.76
13Q0885B-140D	13Q0885B	5	9.0	0.1	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.40	0.11	1.00	0.09	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.55	0.13	0.86	0.07
13Q0885B-185D	13Q0885B	5	9.0	0.7	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0895B-120D	13Q0895B	5	2.8	0.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.01	0.00	0.03	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.02	0.00	0.03	0.00
13Q0895B-140D	13Q0895B	5	2.8	0.0	140	Commercial	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.00	0.00	0.00	0.00
13Q0895B-185D	13Q0895B	5	2.8	2.8	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	1.00	1.00	29	55	0.06	0.01	0.15	0.01	Pond 1-3 Pond 8-2	1.00	1.00	39	65	0.08	0.02	0.13	0.01
13Q0924B-120D	13Q0924B	5	5.1	4.2	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.96	0.10	4.28	0.39	Pond 1-3 Pond 8-2	0.64	0.38	25	25	1.30	0.12	3.94	0.37
13Q0924B-155D	13Q0924B	5	5.1	0.0	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.01	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.01	0.00
13Q0924B-410D	13Q0924B	5	5.1	0.0	410	Mesic Flatwoods	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0924B-600D	13Q0924B	5	5.1	0.8	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0940B-120D	13Q0940B	5	5.0	4.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.90	0.10	4.01	0.37	Pond 1-3 Pond 8-2	0.64	0.38	25	25	1.22	0.11	3.70	0.35
13Q0940B-155D	13Q0940B	5	5.0	0.0	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q0940B-500D	13Q0940B	5	5.0	1.0	500	Water	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1100B-120D	13Q1100B	5	2.2	1.0	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.22	0.02	0.98	0.09	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.30	0.03	0.90	0.08
13Q1100B-140D	13Q1100B	5	2.2	0.2	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.20	0.02	0.89	0.07	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.27	0.02	0.82	0.07
13Q1100B-155D	13Q1100B	5	2.2	0.8	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.03	0.01	0.16	0.02	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.05	0.01	0.14	0.02
13Q1100B-185D	13Q1100B	5	2.2	0.1	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1100B-600D	13Q1100B	5	2.2	0.1	600	Wetland	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1300B-155A	13Q1300B	5	0.8	0.2	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1300B-155D	13Q1300B	5	0.8	0.6	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.02	0.00	0.07	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.02	0.00	0.06	0.00
13Q1600B-155A	13Q1600B	5	3.3	0.1	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1600B-155D	13Q1600B	5	3.3	3.2	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.14	0.02	0.64	0.08	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.20	0.03	0.59	0.08
13Q1900B-120D	13Q1900B	5	27.5	5.5	120	Medium Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	1.21	0.11	5.37	0.43	Pond 1-3 Pond 8-2	0.64	0.38	25	25	1.63	0.13	4.95	0.41
13Q1900B-130D	13Q1900B	5	27.5	2.4	130	High Density Residential	Pond 1-3 Pond 8-2	0.64	0.38	18	21	1.38	0.21	6.14	0.79	Pond 1-3 Pond 8-2	0.64	0.38	25	25	1.87	0.25	5.65	0.75
13Q1900B-140A	13Q1900B	5	27.5	0.0	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.03	0.00	0.14	0.01	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.04	0.00	0.13	0.01
13Q1900B-140D	13Q1900B	5	27.5	10.6	140	Commercial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	9.34	0.84	41.47	3.21	Pond 1-3 Pond 8-2	0.64	0.38	25	25	12.62	1.01	38.19	3.05
13Q1900B-155A	13Q1900B	5	27.5	0.1	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1900B-155D	13Q1900B	5	27.5	0.4	155	Industrial	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.02	0.00	0.07	0.01	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.02	0.00	0.07	0.01
13Q1900B-185A	13Q1900B	5	27.5	0.0	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1900B-185D	13Q1900B	5	27.5	0.1	185	Recreational 1 (Parks w/little impervious	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1900B-410A	13Q1900B	5	27.5	1.3	410	Mesic Flatwoods	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1900B-410D	13Q1900B	5	27.5	5.6	410	Mesic Flatwoods	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1900B-430A	13Q1900B	5	27.5	0.1	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00
13Q1900B-430D	13Q1900B	5	27.5	1.6	430	Upland Mixed Forest	Pond 1-3 Pond 8-2	0.64	0.38	18	21	0.00	0.00	0.00	0.00	Pond 1-3 Pond 8-2	0.64	0.38	25	25	0.00	0.00	0.00	0.00

Appendix D
Existing Conditions
(Hydrologic & Hydraulic Model Data)

D.1 Curve Number Calculations

D.2 Input Data – Existing Conditions

D.3 Basin Max Comparison Report – Existing Condition

D.4 Link Max Comparison Report – Existing Condition

D.5 Node Max Comparison Report – Existing Condition

Appendix D
Existing Conditions
(Hydrologic & Hydraulic Model Data)

D.1 Curve Number Calculations

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L0060B	14813.96	0.34	3.53	110	D	85	8.2
13L0060B	9527.23	0.22	3.53	130	D	92	5.7
13L0060B	109959.60	2.52	3.53	140	D	95	68.0
13L0060B	613.56	0.01	3.53	600	D	98	0.4
13L0060B	18668.87	0.43	3.53	8142	D	93	11.3
13L0060B Total							**93.6**
13L0080B	462026.59	10.61	11.13	140	D	95	90.5
13L0080B	15453.84	0.35	11.13	600	D	98	3.1
13L0080B	7523.18	0.17	11.13	8142	D	93	1.4
13L0080B Total							**95.1**
13L0400B	56689.96	1.30	4.18	120	D	87	27.1
13L0400B	104.45	0.00	4.18	120	D	87	0.0
13L0400B	56674.19	1.30	4.18	140	D	95	29.5
13L0400B	0.06	0.00	4.18	140	D	95	0.0
13L0400B	4427.03	0.10	4.18	140	D	95	2.3
13L0400B	17974.88	0.41	4.18	500	D	98	9.7
13L0400B	2421.56	0.06	4.18	500	D	98	1.3
13L0400B	43977.01	1.01	4.18	8142	D	93	22.4
13L0400B Total							**92.4**
13L0800B	314814.50	7.23	85.15	120	D	87	7.4
13L0800B	53645.58	1.23	85.15	120	D	87	1.3
13L0800B	4515.30	0.10	85.15	120	D	87	0.1
13L0800B	164946.32	3.79	85.15	120	A	61	2.7
13L0800B	263011.85	6.04	85.15	120	A	61	4.3
13L0800B	71011.39	1.63	85.15	120	D	87	1.7
13L0800B	536.67	0.01	85.15	120	D	87	0.0
13L0800B	106629.57	2.45	85.15	120	D	87	2.5
13L0800B	191344.40	4.39	85.15	120	D	87	4.5
13L0800B	4211.10	0.10	85.15	120	-	98	0.1
13L0800B	14057.97	0.32	85.15	130	D	92	0.3
13L0800B	28471.01	0.65	85.15	130	D	92	0.7
13L0800B	606.69	0.01	85.15	130	-	98	0.0
13L0800B	55941.39	1.28	85.15	140	A	89	1.3
13L0800B	14216.93	0.33	85.15	140	D	95	0.4
13L0800B	281265.18	6.46	85.15	130	A	77	5.8
13L0800B	133784.65	3.07	85.15	130	A	77	2.8
13L0800B	2316.10	0.05	85.15	130	D	92	0.1
13L0800B	57872.32	1.33	85.15	130	D	92	1.4
13L0800B	22.72	0.00	85.15	130	D	92	0.0
13L0800B	8620.05	0.20	85.15	140	D	95	0.2
13L0800B	8000.60	0.18	85.15	140	D	95	0.2
13L0800B	3436.76	0.08	85.15	190	D	84	0.1

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L0800B	106823.95	2.45	85.15	190	D	84	2.4
13L0800B	204379.24	4.69	85.15	190	D	84	4.6
13L0800B	24.09	0.00	85.15	190	-	98	0.0
13L0800B	239713.30	5.50	85.15	400	A	36	2.3
13L0800B	4433.22	0.10	85.15	400	A	36	0.0
13L0800B	1392.95	0.03	85.15	400	D	79	0.0
13L0800B	2170.22	0.05	85.15	500	D	98	0.1
13L0800B	18673.65	0.43	85.15	500	D	98	0.5
13L0800B	3226.95	0.07	85.15	500	D	98	0.1
13L0800B	904943.23	20.77	85.15	500	-	98	23.9
13L0800B	8647.11	0.20	85.15	500	D	98	0.2
13L0800B	8936.74	0.21	85.15	500	D	98	0.2
13L0800B	1.83	0.00	85.15	600	D	98	0.0
13L0800B	150843.22	3.46	85.15	600	D	98	4.0
13L0800B	5800.43	0.13	85.15	600	D	98	0.2
13L0800B	36732.06	0.84	85.15	600	D	98	1.0
13L0800B	5238.75	0.12	85.15	600	D	98	0.1
13L0800B	69950.96	1.61	85.15	600	D	98	1.8
13L0800B	6684.91	0.15	85.15	600	D	98	0.2
13L0800B	33600.96	0.77	85.15	600	-	98	0.9
13L0800B	30.76	0.00	85.15	8142	A	85	0.0
13L0800B	113613.77	2.61	85.15	8142	D	93	2.8
13L0800B Total							**83.4**
13L0820B	335323.45	7.70	24.68	120	D	87	27.1
13L0820B	23574.36	0.54	24.68	120	A	61	1.3
13L0820B	1361.60	0.03	24.68	120	A	61	0.1
13L0820B	944.99	0.02	24.68	120	D	87	0.1
13L0820B	3765.92	0.09	24.68	120	D	87	0.3
13L0820B	14512.18	0.33	24.68	130	A	77	1.0
13L0820B	88725.87	2.04	24.68	130	A	77	6.4
13L0820B	121831.21	2.80	24.68	130	D	92	10.4
13L0820B	22431.49	0.51	24.68	130	D	92	1.9
13L0820B	59009.64	1.35	24.68	130	D	92	5.0
13L0820B	4948.17	0.11	24.68	140	D	95	0.4
13L0820B	99109.02	2.28	24.68	140	D	95	8.8
13L0820B	92505.81	2.12	24.68	140	D	95	8.2
13L0820B	5281.49	0.12	24.68	140	D	95	0.5
13L0820B	44079.74	1.01	24.68	500	D	98	4.0
13L0820B	157680.61	3.62	24.68	8142	D	93	13.6
13L0820B Total							**89.2**
13L1000B	224471.58	5.15	109.07	120	D	87	4.1
13L1000B	90799.68	2.08	109.07	120	A	61	1.2

Casselberry Golf Course Stormwater Opportunity Feasibility Study
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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L1000B	3432.22	0.08	109.07	120	A	61	0.0
13L1000B	2439.17	0.06	109.07	120	-	98	0.1
13L1000B	912919.75	20.96	109.07	120	D	87	16.7
13L1000B	81518.30	1.87	109.07	120	A	61	1.0
13L1000B	37280.97	0.86	109.07	120	D	87	0.7
13L1000B	59230.32	1.36	109.07	120	D	87	1.1
13L1000B	76861.02	1.76	109.07	182	A	68	1.1
13L1000B	4148.40	0.10	109.07	182	A	68	0.1
13L1000B	189278.61	4.35	109.07	182	D	89	3.5
13L1000B	52158.96	1.20	109.07	182	D	89	1.0
13L1000B	88.18	0.00	109.07	182	-	98	0.0
13L1000B	1825.12	0.04	109.07	182	D	89	0.0
13L1000B	17593.88	0.40	109.07	190	D	84	0.3
13L1000B	532.89	0.01	109.07	190	-	98	0.0
13L1000B	7972.12	0.18	109.07	190	D	84	0.1
13L1000B	168.77	0.00	109.07	500	D	98	0.0
13L1000B	1568209.25	36.00	109.07	500	-	98	32.3
13L1000B	10451.80	0.24	109.07	500	D	98	0.2
13L1000B	95489.44	2.19	109.07	600	D	98	2.0
13L1000B	460372.96	10.57	109.07	600	D	98	9.5
13L1000B	1665.09	0.04	109.07	600	-	98	0.0
13L1000B	877.75	0.02	109.07	600	D	98	0.0
13L1000B	12577.56	0.29	109.07	600	D	98	0.3
13L1000B	18383.58	0.42	109.07	600	-	98	0.4
13L1000B	592.12	0.01	109.07	600	D	98	0.0
13L1000B	14.51	0.00	109.07	600	D	98	0.0
13L1000B	245857.76	5.64	109.07	600	D	98	5.1
13L1000B	26971.02	0.62	109.07	600	-	98	0.6
13L1000B	2523.32	0.06	109.07	600	D	98	0.1
13L1000B	175592.96	4.03	109.07	600	-	98	3.6
13L1000B	31743.38	0.73	109.07	600	-	98	0.7
13L1000B	7841.71	0.18	109.07	600	D	98	0.2
13L1000B	7900.59	0.18	109.07	600	-	98	0.2
13L1000B	4973.03	0.11	109.07	600	D	98	0.1
13L1000B	21165.47	0.49	109.07	600	-	98	0.4
13L1000B	2397.68	0.06	109.07	600	D	98	0.0
13L1000B	50088.97	1.15	109.07	600	D	98	1.0
13L1000B	22738.40	0.52	109.07	600	-	98	0.5
13L1000B	15105.54	0.35	109.07	600	D	98	0.3
13L1000B	16601.23	0.38	109.07	600	-	98	0.3
13L1000B	108837.92	2.50	109.07	600	D	98	2.2
13L1000B	790.05	0.02	109.07	600	D	98	0.0

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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L1000B	62050.07	1.42	109.07	600	D	98	1.3
13L1000B	10045.12	0.23	109.07	600	D	98	0.2
13L1000B	6663.15	0.15	109.07	600	D	98	0.1
13L1000B Total							**92.7**
13L1001B	22477.34	0.52	19.71	120	A	61	1.6
13L1001B	5287.29	0.12	19.71	120	D	87	0.5
13L1001B	13511.40	0.31	19.71	120	D	87	1.4
13L1001B	484401.05	11.12	19.71	120	D	87	49.1
13L1001B	177785.97	4.08	19.71	120	A	61	12.6
13L1001B	311.78	0.01	19.71	182	A	68	0.0
13L1001B	7398.59	0.17	19.71	182	D	89	0.8
13L1001B	1457.75	0.03	19.71	182	A	68	0.1
13L1001B	35789.61	0.82	19.71	182	D	89	3.7
13L1001B	40670.28	0.93	19.71	182	D	89	4.2
13L1001B	34614.00	0.79	19.71	400	D	79	3.2
13L1001B	34736.93	0.80	19.71	500	D	98	4.0
13L1001B Total							**81.2**
13L1020B	21325.53	0.49	26.56	110	D	85	1.6
13L1020B	1002655.77	23.02	26.56	120	D	87	75.4
13L1020B	187.18	0.00	26.56	130	D	92	0.0
13L1020B	199.54	0.00	26.56	182	D	89	0.0
13L1020B	132659.59	3.05	26.56	600	D	98	11.2
13L1020B Total							**88.2**
13L1200B	672486.68	15.44	71.06	120	D	87	18.9
13L1200B	3423.04	0.08	71.06	120	A	61	0.1
13L1200B	6719.53	0.15	71.06	120	D	87	0.2
13L1200B	5555.54	0.13	71.06	120	-	98	0.2
13L1200B	342620.65	7.87	71.06	120	D	87	9.6
13L1200B	5629.45	0.13	71.06	120	A	61	0.1
13L1200B	270801.79	6.22	71.06	120	D	87	7.6
13L1200B	8092.99	0.19	71.06	182	D	89	0.2
13L1200B	255.17	0.01	71.06	182	A	68	0.0
13L1200B	286412.82	6.58	71.06	182	D	89	8.2
13L1200B	19634.99	0.45	71.06	182	D	89	0.6
13L1200B	1216.07	0.03	71.06	182	-	98	0.0
13L1200B	264.16	0.01	71.06	182	D	89	0.0
13L1200B	83880.96	1.93	71.06	400	D	79	2.1
13L1200B	139815.92	3.21	71.06	400	D	79	3.6
13L1200B	6809.02	0.16	71.06	400	A	36	0.1
13L1200B	992480.91	22.78	71.06	500	-	98	31.4
13L1200B	6988.90	0.16	71.06	500	D	98	0.2
13L1200B	18031.62	0.41	71.06	500	D	98	0.6

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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L1200B	11.83	0.00	71.06	600	D	98	0.0
13L1200B	49982.14	1.15	71.06	600	D	98	1.6
13L1200B	53393.58	1.23	71.06	600	-	98	1.7
13L1200B	3170.25	0.07	71.06	600	D	98	0.1
13L1200B	14705.94	0.34	71.06	600	-	98	0.5
13L1200B	103182.03	2.37	71.06	600	D	98	3.3
13L1200B Total							**90.9**
13L1201B	10206.21	0.23	10.96	120	D	87	1.9
13L1201B	169523.18	3.89	10.96	120	A	61	21.7
13L1201B	98069.79	2.25	10.96	120	A	61	12.5
13L1201B	28899.13	0.66	10.96	120	D	87	5.3
13L1201B	12767.89	0.29	10.96	182	D	89	2.4
13L1201B	35750.02	0.82	10.96	182	A	68	5.1
13L1201B	17723.64	0.41	10.96	182	A	68	2.5
13L1201B	104309.74	2.39	10.96	182	D	89	19.5
13L1201B Total							**70.8**
13L1202B	1065.04	0.02	15.00	120	A	61	0.1
13L1202B	258549.56	5.94	15.00	120	D	87	34.4
13L1202B	97450.00	2.24	15.00	120	A	61	9.1
13L1202B	9532.23	0.22	15.00	182	D	89	1.3
13L1202B	247628.10	5.68	15.00	182	A	68	25.8
13L1202B	38084.51	0.87	15.00	182	D	89	5.2
13L1202B	916.25	0.02	15.00	182	D	89	0.1
13L1202B Total							**76.0**
13L1700B	33448.94	0.77	46.11	120	-	98	1.6
13L1700B	1269267.14	29.14	46.11	120	D	87	55.0
13L1700B	2949.45	0.07	46.11	120	D	87	0.1
13L1700B	0.44	0.00	46.11	120	D	87	0.0
13L1700B	83324.54	1.91	46.11	120	A	61	2.5
13L1700B	59478.77	1.37	46.11	182	D	89	2.6
13L1700B	4683.56	0.11	46.11	182	D	89	0.2
13L1700B	18359.52	0.42	46.11	400	D	79	0.7
13L1700B	4875.87	0.11	46.11	400	A	36	0.1
13L1700B	505705.49	11.61	46.11	500	-	98	24.7
13L1700B	26430.57	0.61	46.11	500	D	98	1.3
13L1700B Total							**88.9**
13L1825B	18110.23	0.42	4.03	120	D	87	9.0
13L1825B	7826.24	0.18	4.03	120	D	87	3.9
13L1825B	1448.73	0.03	4.03	120	D	87	0.7
13L1825B	5236.90	0.12	4.03	182	D	89	2.7
13L1825B	13848.56	0.32	4.03	182	D	89	7.0
13L1825B	53186.30	1.22	4.03	182	D	89	27.0

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L1825B	36902.67	0.85	4.03	182	D	89	18.7
13L1825B	14091.97	0.32	4.03	500	D	98	7.9
13L1825B	125.99	0.00	4.03	600	D	98	0.1
13L1825B	24755.09	0.57	4.03	600	D	98	13.8
13L1825B Total							**90.7**
13L1829B	103026.56	2.37	19.68	120	D	87	10.5
13L1829B	754031.71	17.31	19.68	170	D	95	83.6
13L1829B Total							**94.0**
13L1875B	293745.69	6.74	43.30	120	D	87	13.5
13L1875B	67024.60	1.54	43.30	120	D	87	3.1
13L1875B	430.68	0.01	43.30	120	D	87	0.0
13L1875B	169542.13	3.89	43.30	170	D	95	8.5
13L1875B	67857.85	1.56	43.30	170	D	95	3.4
13L1875B	102.07	0.00	43.30	182	D	89	0.0
13L1875B	3732.48	0.09	43.30	182	D	89	0.2
13L1875B	3748.20	0.09	43.30	182	D	89	0.2
13L1875B	31085.94	0.71	43.30	182	D	89	1.5
13L1875B	1062.00	0.02	43.30	600	D	98	0.1
13L1875B	285557.88	6.56	43.30	600	D	98	14.8
13L1875B	9877.90	0.23	43.30	600	D	98	0.5
13L1875B	784255.26	18.00	43.30	600	D	98	40.7
13L1875B	19827.07	0.46	43.30	600	D	98	1.0
13L1875B	3796.23	0.09	43.30	600	D	98	0.2
13L1875B	144653.43	3.32	43.30	600	D	98	7.5
13L1875B Total							**95.3**
13L1876B	2142162.30	49.18	66.80	120	D	87	64.1
13L1876B	131650.33	3.02	66.80	130	D	92	4.2
13L1876B	74104.63	1.70	66.80	140	D	95	2.4
13L1876B	143934.20	3.30	66.80	140	D	95	4.7
13L1876B	216055.89	4.96	66.80	140	D	95	7.1
13L1876B	49354.71	1.13	66.80	170	D	95	1.6
13L1876B	152334.06	3.50	66.80	8142	D	93	4.9
13L1876B Total							**88.9**
13L1877B	1388662.42	31.88	31.88	120	D	87	87.0
13L1877B Total							**87.0**
13L1878B	780857.64	17.93	17.93	120	D	87	87.0
13L1878B Total							**87.0**
13L1885B	807843.33	18.55	27.22	120	D	87	59.3
13L1885B	7570.31	0.17	27.22	120	D	87	0.6
13L1885B	214113.80	4.92	27.22	170	D	95	17.2
13L1885B	46779.31	1.07	27.22	170	D	95	3.7
13L1885B	2881.46	0.07	27.22	182	D	89	0.2

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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L1885B	78825.72	1.81	27.22	182	D	89	5.9
13L1885B	27577.84	0.63	27.22	600	D	98	2.3
13L1885B Total							**89.2**
13L1895B	151176.49	3.47	7.07	120	D	87	42.7
13L1895B	22502.35	0.52	7.07	120	D	87	6.4
13L1895B	3768.83	0.09	7.07	120	D	87	1.1
13L1895B	8531.39	0.20	7.07	600	D	98	2.7
13L1895B	121867.22	2.80	7.07	600	D	98	38.8
13L1895B Total							**91.7**
13L1950B	15.07	0.00	53.28	120	D	87	0.0
13L1950B	344474.56	7.91	53.28	120	D	87	12.9
13L1950B	60225.17	1.38	53.28	120	D	87	2.3
13L1950B	138851.88	3.19	53.28	182	D	89	5.3
13L1950B	3830.65	0.09	53.28	182	D	89	0.1
13L1950B	4179.26	0.10	53.28	182	D	89	0.2
13L1950B	41323.14	0.95	53.28	182	D	89	1.6
13L1950B	5759.56	0.13	53.28	600	D	98	0.2
13L1950B	9509.48	0.22	53.28	600	D	98	0.4
13L1950B	384547.57	8.83	53.28	600	D	98	16.2
13L1950B	1328323.08	30.49	53.28	600	D	98	56.1
13L1950B Total							**95.4**
13L1951B	264.62	0.01	4.79	120	D	87	0.1
13L1951B	100766.47	2.31	4.79	120	D	87	42.1
13L1951B	1.91	0.00	4.79	120	D	87	0.0
13L1951B	68309.23	1.57	4.79	182	D	89	29.2
13L1951B	14050.73	0.32	4.79	182	D	89	6.0
13L1951B	3254.16	0.07	4.79	182	D	89	1.4
13L1951B	6924.58	0.16	4.79	600	D	98	3.3
13L1951B	14315.73	0.33	4.79	600	D	98	6.7
13L1951B	589.69	0.01	4.79	600	D	98	0.3
13L1951B Total							**89.0**
13L1952B	2121398.85	48.70	59.75	120	D	87	70.9
13L1952B	1771.62	0.04	59.75	120	D	87	0.1
13L1952B	439008.41	10.08	59.75	140	D	95	16.0
13L1952B	40587.59	0.93	59.75	8142	D	93	1.5
13L1952B Total							**88.4**
13L1975B	159452.94	3.66	15.87	120	D	87	20.1
13L1975B	856.59	0.02	15.87	120	D	87	0.1
13L1975B	150742.38	3.46	15.87	182	D	89	19.4
13L1975B	57517.23	1.32	15.87	182	D	89	7.4
13L1975B	12637.87	0.29	15.87	182	D	89	1.6
13L1975B	31134.92	0.71	15.87	182	D	89	4.0

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13L1975B	857.58	0.02	15.87	182	D	89	0.1
13L1975B	0.15	0.00	15.87	600	D	98	0.0
13L1975B	80533.00	1.85	15.87	600	D	98	11.4
13L1975B	3967.68	0.09	15.87	600	D	98	0.6
13L1975B	54781.17	1.26	15.87	600	D	98	7.8
13L1975B	138945.48	3.19	15.87	600	D	98	19.7
13L1975B Total							**92.2**
13L2050B	6713.83	0.15	15.86	120	D	87	0.8
13L2050B	92861.67	2.13	15.86	120	D	87	11.7
13L2050B	51382.33	1.18	15.86	120	D	87	6.5
13L2050B	78809.87	1.81	15.86	182	D	89	10.2
13L2050B	12199.10	0.28	15.86	182	D	89	1.6
13L2050B	16565.03	0.38	15.86	182	D	89	2.1
13L2050B	3783.99	0.09	15.86	182	D	89	0.5
13L2050B	30810.53	0.71	15.86	600	D	98	4.4
13L2050B	12518.72	0.29	15.86	600	D	98	1.8
13L2050B	187291.69	4.30	15.86	600	D	98	26.6
13L2050B	198064.62	4.55	15.86	600	D	98	28.1
13L2050B Total							**94.1**
13L2051B	452463.89	10.39	10.39	120	D	87	87.0
13L2051B Total							**87.0**
13L2052B	402911.63	9.25	9.25	120	D	87	87.0
13L2052B Total							**87.0**
13L2053B	1246140.55	28.61	29.24	120	D	87	85.1
13L2053B	27353.16	0.63	29.24	140	D	95	2.0
13L2053B Total							**87.2**
13L2151B	195927.28	4.50	4.50	120	D	87	87.0
13L2151B Total							**87.0**
13L2152B	847854.67	19.46	19.49	120	D	87	86.9
13L2152B	981.38	0.02	19.49	120	D	87	0.1
13L2152B Total							**87.0**
13L2300B	107852.77	2.48	3.10	120	D	87	69.6
13L2300B	27035.37	0.62	3.10	500	D	98	19.6
13L2300B Total							**89.2**
13L2400B	185988.64	4.27	4.27	120	D	87	87.0
13L2400B Total							**87.0**
13L2500B	1424.07	0.03	18.73	120	D	87	0.2
13L2500B	130091.75	2.99	18.73	120	D	87	13.9
13L2500B	1543.91	0.04	18.73	130	D	92	0.2
13L2500B	124823.15	2.87	18.73	130	D	92	14.1
13L2500B	4811.85	0.11	18.73	140	D	95	0.6
13L2500B	6581.83	0.15	18.73	140	D	95	0.8

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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L2500B	568.18	0.01	18.73	140	A	89	0.1
13L2500B	44519.46	1.02	18.73	140	D	95	5.2
13L2500B	31477.96	0.72	18.73	140	D	95	3.7
13L2500B	16978.08	0.39	18.73	140	A	89	1.9
13L2500B	12025.49	0.28	18.73	140	D	95	1.4
13L2500B	5695.72	0.13	18.73	140	D	95	0.7
13L2500B	3944.95	0.09	18.73	182	D	89	0.4
13L2500B	11020.16	0.25	18.73	190	D	84	1.1
13L2500B	304787.77	7.00	18.73	600	D	98	36.6
13L2500B	28739.22	0.66	18.73	600	D	98	3.5
13L2500B	1978.82	0.05	18.73	600	D	98	0.2
13L2500B	1835.31	0.04	18.73	8142	D	93	0.2
13L2500B	21471.45	0.49	18.73	8142	A	85	2.2
13L2500B	40858.64	0.94	18.73	8142	D	93	4.7
13L2500B	20868.70	0.48	18.73	8142	D	93	2.4
13L2500B Total							**93.8**
13L2520B	2297.87	0.05	17.24	120	D	87	0.3
13L2520B	47854.54	1.10	17.24	120	D	87	5.5
13L2520B	19549.13	0.45	17.24	120	A	61	1.6
13L2520B	27961.84	0.64	17.24	120	A	61	2.3
13L2520B	271.69	0.01	17.24	120	D	87	0.0
13L2520B	89.72	0.00	17.24	130	D	92	0.0
13L2520B	167215.88	3.84	17.24	130	A	77	17.1
13L2520B	428239.44	9.83	17.24	130	A	77	43.9
13L2520B	36004.32	0.83	17.24	130	A	77	3.7
13L2520B	18264.76	0.42	17.24	130	D	92	2.2
13L2520B	350.82	0.01	17.24	140	A	89	0.0
13L2520B	2767.11	0.06	17.24	600	D	98	0.4
13L2520B	312.22	0.01	17.24	600	D	98	0.0
13L2520B Total							**77.1**
13L2540B	300.40	0.01	4.19	130	A	77	0.1
13L2540B	1688.41	0.04	4.19	130	D	92	0.9
13L2540B	11840.99	0.27	4.19	140	D	95	6.2
13L2540B	16883.04	0.39	4.19	140	A	89	8.2
13L2540B	150951.02	3.47	4.19	140	D	95	78.5
13L2540B	260.02	0.01	4.19	600	D	98	0.1
13L2540B	798.72	0.02	4.19	600	D	98	0.4
13L2540B Total							**94.4**
13L2560B	2403.92	0.06	14.34	130	A	77	0.3
13L2560B	1860.26	0.04	14.34	130	A	77	0.2
13L2560B	386055.68	8.86	14.34	140	A	89	55.0
13L2560B	201204.89	4.62	14.34	140	A	89	28.7

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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L2560B	21197.37	0.49	14.34	140	D	95	3.2
13L2560B	10524.45	0.24	14.34	140	D	95	1.6
13L2560B	879.37	0.02	14.34	8142	A	85	0.1
13L2560B	321.73	0.01	14.34	8142	D	93	0.0
13L2560B Total							**89.2**
13L2700B	17541.38	0.40	5.32	120	D	87	6.6
13L2700B	135421.40	3.11	5.32	130	D	92	53.8
13L2700B	2881.59	0.07	5.32	140	D	95	1.2
13L2700B	12085.65	0.28	5.32	140	D	95	5.0
13L2700B	183.21	0.00	5.32	190	D	84	0.1
13L2700B	6.32	0.00	5.32	400	D	79	0.0
13L2700B	36770.94	0.84	5.32	400	D	79	12.5
13L2700B	25648.41	0.59	5.32	500	D	98	10.9
13L2700B	1007.63	0.02	5.32	500	D	98	0.4
13L2700B	105.45	0.00	5.32	8142	D	93	0.0
13L2700B Total							**90.4**
13L2720B	217672.00	5.00	5.27	120	D	87	82.5
13L2720B	363.02	0.01	5.27	130	D	92	0.1
13L2720B	11418.53	0.26	5.27	182	D	89	4.4
13L2720B Total							**87.1**
13L2750B	101572.13	2.33	11.25	140	D	95	19.7
13L2750B	1101.85	0.03	11.25	140	D	95	0.2
13L2750B	7623.33	0.18	11.25	140	A	89	1.4
13L2750B	34817.32	0.80	11.25	140	D	95	6.7
13L2750B	1122.89	0.03	11.25	190	D	84	0.2
13L2750B	7374.48	0.17	11.25	190	D	84	1.3
13L2750B	101563.78	2.33	11.25	190	D	84	17.4
13L2750B	1844.95	0.04	11.25	400	D	79	0.3
13L2750B	108176.06	2.48	11.25	400	D	79	17.4
13L2750B	18744.23	0.43	11.25	500	D	98	3.7
13L2750B	47537.79	1.09	11.25	500	D	98	9.5
13L2750B	8171.33	0.19	11.25	600	D	98	1.6
13L2750B	283.27	0.01	11.25	600	D	98	0.1
13L2750B	27218.06	0.62	11.25	500	D	98	5.4
13L2750B	22945.39	0.53	11.25	500	D	98	4.6
13L2750B Total							**89.6**
13L3000B	291.51	0.01	1.63	120	D	87	0.4
13L3000B	59337.57	1.36	1.63	130	D	92	76.7
13L3000B	1529.21	0.04	1.63	140	D	95	2.0
13L3000B	10026.27	0.23	1.63	500	D	98	13.8
13L3000B Total							**92.9**
13L3140B	36354.84	0.83	51.00	120	D	87	1.4

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13L3140B	449.44	0.01	51.00	120	A	61	0.0
13L3140B	12894.19	0.30	51.00	130	A	77	0.4
13L3140B	1033.57	0.02	51.00	140	A	89	0.0
13L3140B	771594.54	17.71	51.00	140	D	95	33.0
13L3140B	91618.61	2.10	51.00	140	D	95	3.9
13L3140B	135326.67	3.11	51.00	140	A	89	5.4
13L3140B	71851.54	1.65	51.00	140	A	89	2.9
13L3140B	64285.53	1.48	51.00	140	D	95	2.7
13L3140B	292930.47	6.72	51.00	140	D	95	12.5
13L3140B	9524.11	0.22	51.00	140	D	95	0.4
13L3140B	6730.06	0.15	51.00	140	A	89	0.3
13L3140B	128981.66	2.96	51.00	140	D	95	5.5
13L3140B	6770.97	0.16	51.00	400	D	79	0.2
13L3140B	97170.71	2.23	51.00	400	A	36	1.6
13L3140B	4061.30	0.09	51.00	600	D	98	0.2
13L3140B	214078.95	4.91	51.00	600	D	98	9.4
13L3140B	6558.97	0.15	51.00	600	D	98	0.3
13L3140B	255160.82	5.86	51.00	8142	D	93	10.7
13L3140B	7297.08	0.17	51.00	8142	A	85	0.3
13L3140B	3259.43	0.07	51.00	8142	A	85	0.1
13L3140B	3798.33	0.09	51.00	8142	D	93	0.2
13L3140B Total							**91.6**
13M0400B	296520.39	6.81	30.30	120	D	87	19.5
13M0400B	76117.84	1.75	30.30	120	D	87	5.0
13M0400B	200886.88	4.61	30.30	130	D	92	14.0
13M0400B	444786.99	10.21	30.30	140	D	95	32.0
13M0400B	144634.04	3.32	30.30	400	D	79	8.7
13M0400B	4003.08	0.09	30.30	500	D	98	0.3
13M0400B	28135.43	0.65	30.30	500	D	98	2.1
13M0400B	124570.76	2.86	30.30	8142	D	93	8.8
13M0400B Total							**90.4**
13M0500B	7939.60	0.18	3.63	120	D	87	4.4
13M0500B	59079.45	1.36	3.63	120	D	87	32.5
13M0500B	70176.95	1.61	3.63	120	D	87	38.7
13M0500B	15507.64	0.36	3.63	500	D	98	9.6
13M0500B	5167.20	0.12	3.63	500	D	98	3.2
13M0500B	62.16	0.00	3.63	600	D	98	0.0
13M0500B Total							**88.4**
13M0600B	63544.76	1.46	25.96	120	D	87	4.9
13M0600B	251791.66	5.78	25.96	120	D	87	19.4
13M0600B	38192.35	0.88	25.96	120	D	87	2.9
13M0600B	36068.97	0.83	25.96	120	D	87	2.8

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13M0600B	5527.53	0.13	25.96	190	D	84	0.4
13M0600B	19656.04	0.45	25.96	190	D	84	1.5
13M0600B	189934.50	4.36	25.96	190	D	84	14.1
13M0600B	928.60	0.02	25.96	190	-	98	0.1
13M0600B	5993.45	0.14	25.96	500	D	98	0.5
13M0600B	22417.29	0.51	25.96	500	D	98	1.9
13M0600B	3562.29	0.08	25.96	500	D	98	0.3
13M0600B	361166.92	8.29	25.96	500	-	98	31.3
13M0600B	86171.63	1.98	25.96	600	D	98	7.5
13M0600B	44.18	0.00	25.96	600	D	98	0.0
13M0600B	10170.42	0.23	25.96	600	-	98	0.9
13M0600B	33045.37	0.76	25.96	600	D	98	2.9
13M0600B	2678.27	0.06	25.96	600	-	98	0.2
13M0600B Total							**91.5**
13M0601B	58.51	0.00	7.22	110	D	85	0.0
13M0601B	236320.85	5.43	7.22	120	D	87	65.4
13M0601B	4631.21	0.11	7.22	120	D	87	1.3
13M0601B	1704.47	0.04	7.22	120	D	87	0.5
13M0601B	71835.07	1.65	7.22	130	D	92	21.0
13M0601B Total							**88.1**
13M0850B	38867.77	0.89	1.35	120	D	87	57.4
13M0850B	20071.01	0.46	1.35	130	D	92	31.3
13M0850B Total							**88.7**
13M0950B	239710.14	5.50	5.50	130	D	92	92.0
13M0950B Total							**92.0**
13M0990B	17889.31	0.41	6.53	120	D	87	5.5
13M0990B	259595.93	5.96	6.53	130	D	92	84.0
13M0990B	6832.01	0.16	6.53	140	D	95	2.3
13M0990B Total							**91.8**
13M1200B	64774.29	1.49	1.49	130	D	92	92.0
13M1200B Total							**92.0**
13M1400B	97108.09	2.23	2.23	130	D	92	92.0
13M1400B Total							**92.0**
13M1500B	9006.65	0.21	4.21	110	D	85	4.2
13M1500B	13.93	0.00	4.21	120	D	87	0.0
13M1500B	174569.86	4.01	4.21	130	D	92	87.5
13M1500B Total							**91.7**
13M1520B	206998.18	4.75	4.89	130	D	92	89.4
13M1520B	6036.09	0.14	4.89	140	D	95	2.7
13M1520B Total							**92.1**
13M1800B	490764.56	11.27	43.24	110	D	85	22.1
13M1800B	8514.91	0.20	43.24	110	-	98	0.4

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13M1800B	87956.12	2.02	43.24	130	D	92	4.3
13M1800B	17264.67	0.40	43.24	140	D	95	0.9
13M1800B	93725.36	2.15	43.24	140	D	95	4.7
13M1800B	306318.88	7.03	43.24	140	D	95	15.5
13M1800B	1179.75	0.03	43.24	140	-	98	0.1
13M1800B	23277.62	0.53	43.24	500	D	98	1.2
13M1800B	846633.86	19.44	43.24	500	-	98	44.1
13M1800B	7758.44	0.18	43.24	8142	D	93	0.4
13M1800B Total							**93.6**
13M1925B	1872.03	0.04	10.93	110	D	85	0.3
13M1925B	414892.74	9.52	10.93	140	D	95	82.8
13M1925B	21877.11	0.50	10.93	500	D	98	4.5
13M1925B	1827.07	0.04	10.93	600	D	98	0.4
13M1925B	29658.51	0.68	10.93	500	D	98	6.1
13M1925B	5915.31	0.14	10.93	8142	D	93	1.2
13M1925B Total							**95.3**
13M2110B	18111.60	0.42	4.08	140	D	95	9.7
13M2110B	159679.10	3.67	4.08	8142	D	93	83.5
13M2110B Total							**93.2**
13M2130B	93244.20	2.14	45.19	120	D	87	4.1
13M2130B	6732.03	0.15	45.19	120	A	61	0.2
13M2130B	206634.26	4.74	45.19	120	D	87	9.1
13M2130B	166619.33	3.83	45.19	120	A	61	5.2
13M2130B	29275.52	0.67	45.19	120	A	61	0.9
13M2130B	23998.48	0.55	45.19	120	D	87	1.1
13M2130B	14603.87	0.34	45.19	130	D	92	0.7
13M2130B	11542.36	0.26	45.19	130	A	77	0.5
13M2130B	14726.25	0.34	45.19	130	A	77	0.6
13M2130B	212749.24	4.88	45.19	140	A	89	9.6
13M2130B	444480.33	10.20	45.19	140	D	95	21.4
13M2130B	12671.30	0.29	45.19	140	A	89	0.6
13M2130B	36187.57	0.83	45.19	140	A	89	1.6
13M2130B	365779.46	8.40	45.19	140	D	95	17.7
13M2130B	665.76	0.02	45.19	140	A	89	0.0
13M2130B	455.62	0.01	45.19	170	A	89	0.0
13M2130B	3452.06	0.08	45.19	170	D	95	0.2
13M2130B	89330.69	2.05	45.19	170	A	89	4.0
13M2130B	56484.54	1.30	45.19	400	A	36	1.0
13M2130B	17486.32	0.40	45.19	400	A	36	0.3
13M2130B	98780.81	2.27	45.19	400	A	36	1.8
13M2130B	62678.50	1.44	45.19	400	A	36	1.1
13M2130B Total							**81.8**

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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13M2150B	515.64	0.01	14.69	120	-	98	0.1
13M2150B	288585.29	6.63	14.69	120	D	87	39.2
13M2150B	280.18	0.01	14.69	140	-	98	0.0
13M2150B	74234.24	1.70	14.69	140	D	95	11.0
13M2150B	200082.37	4.59	14.69	500	-	98	30.6
13M2150B	3120.86	0.07	14.69	500	D	98	0.5
13M2150B	45457.50	1.04	14.69	600	-	98	7.0
13M2150B	27467.91	0.63	14.69	600	D	98	4.2
13M2150B Total							**92.7**
13M2210B	1089.25	0.03	1.72	140	D	95	1.4
13M2210B	1172.89	0.03	1.72	140	D	95	1.5
13M2210B	5028.64	0.12	1.72	140	D	95	6.4
13M2210B	1084.40	0.02	1.72	140	D	95	1.4
13M2210B	66467.62	1.53	1.72	8142	D	93	82.6
13M2210B Total							**93.2**
13M2230B	2267.92	0.05	0.80	140	D	95	6.2
13M2230B	6149.64	0.14	0.80	140	D	95	16.8
13M2230B	26292.86	0.60	0.80	8142	D	93	70.4
13M2230B Total							**93.5**
13M2250B	2889.72	0.07	0.68	140	D	95	9.2
13M2250B	7152.82	0.16	0.68	140	D	95	22.8
13M2250B	19794.29	0.45	0.68	8142	D	93	61.7
13M2250B Total							**93.7**
13M2254B	127553.61	2.93	15.01	120	D	87	17.0
13M2254B	45113.74	1.04	15.01	130	D	92	6.3
13M2254B	480303.45	11.03	15.01	140	D	95	69.8
13M2254B	703.51	0.02	15.01	140	A	89	0.1
13M2254B Total							**93.2**
13M2270B	8990.07	0.21	1.02	140	D	95	19.3
13M2270B	7208.83	0.17	1.02	140	D	95	15.5
13M2270B	28014.73	0.64	1.02	8142	D	93	58.9
13M2270B Total							**93.7**
13M2290B	8453.63	0.19	0.66	140	D	95	28.0
13M2290B	267.84	0.01	0.66	140	D	95	0.9
13M2290B	518.16	0.01	0.66	190	D	84	1.5
13M2290B	19441.07	0.45	0.66	8142	D	93	63.0
13M2290B Total							**93.4**
13M2330B	96820.08	2.22	4.80	140	D	95	44.0
13M2330B	66876.25	1.54	4.80	190	D	84	26.9
13M2330B	17972.93	0.41	4.80	500	D	98	8.4
13M2330B	26241.66	0.60	4.80	500	D	98	12.3
13M2330B	1108.83	0.03	4.80	8142	D	93	0.5

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13M2330B Total							**92.1**
13M2331B	41189.13	0.95	5.19	140	D	95	17.3
13M2331B	179160.33	4.11	5.19	190	D	84	66.6
13M2331B	210.33	0.00	5.19	500	D	98	0.1
13M2331B	5383.80	0.12	5.19	8142	D	93	2.2
13M2331B Total							**86.2**
13M2332B	24869.15	0.57	6.51	120	D	87	7.6
13M2332B	9275.93	0.21	6.51	120	A	61	2.0
13M2332B	130004.28	2.98	6.51	140	D	95	43.6
13M2332B	61188.33	1.40	6.51	140	A	89	19.2
13M2332B	10603.44	0.24	6.51	190	D	84	3.1
13M2332B	528.08	0.01	6.51	400	D	79	0.1
13M2332B	9876.84	0.23	6.51	400	A	36	1.3
13M2332B	37137.11	0.85	6.51	8142	D	93	12.2
13M2332B Total							**89.1**
13M2334B	5172.12	0.12	3.48	110	D	85	2.9
13M2334B	25193.53	0.58	3.48	120	D	87	14.5
13M2334B	7714.71	0.18	3.48	182	D	89	4.5
13M2334B	113581.67	2.61	3.48	140	D	95	71.1
13M2334B Total							**93.0**
13M2335B	40399.87	0.93	3.80	182	D	89	21.7
13M2335B	40996.57	0.94	3.80	140	D	95	23.6
13M2335B	83955.69	1.93	3.80	190	D	84	42.7
13M2335B Total							**87.9**
13M2340B	36768.17	0.84	14.27	120	D	87	5.1
13M2340B	187614.15	4.31	14.27	170	D	95	28.7
13M2340B	244944.52	5.62	14.27	182	D	89	35.1
13M2340B	4045.32	0.09	14.27	182	-	98	0.6
13M2340B	26918.25	0.62	14.27	190	D	84	3.6
13M2340B	6286.09	0.14	14.27	500	D	98	1.0
13M2340B	48606.52	1.12	14.27	500	-	98	7.7
13M2340B	52371.51	1.20	14.27	600	D	98	8.3
13M2340B	7382.91	0.17	14.27	600	-	98	1.2
13M2340B	6736.65	0.15	14.27	8142	D	93	1.0
13M2340B Total							**92.2**
13M2341B	341133.09	7.83	11.05	120	D	87	61.7
13M2341B	4298.44	0.10	11.05	120	A	61	0.5
13M2341B	98536.24	2.26	11.05	140	D	95	19.4
13M2341B	24.26	0.00	11.05	400	D	79	0.0
13M2341B	37400.01	0.86	11.05	8142	D	93	7.2
13M2341B Total							**88.9**
13M2400B	727.33	0.02	12.16	110	-	98	0.1

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13M2400B	189679.58	4.35	12.16	110	D	85	30.4
13M2400B	2907.49	0.07	12.16	120	-	98	0.5
13M2400B	165724.74	3.80	12.16	120	D	87	27.2
13M2400B	10538.29	0.24	12.16	140	D	95	1.9
13M2400B	123877.88	2.84	12.16	500	-	98	22.9
13M2400B	7415.17	0.17	12.16	500	D	98	1.4
13M2400B	15120.28	0.35	12.16	600	-	98	2.8
13M2400B	2248.41	0.05	12.16	600	D	98	0.4
13M2400B	11609.47	0.27	12.16	600	-	98	2.1
13M2400B Total							**89.8**
13N0050B	131654.07	3.02	13.33	120	D	87	19.7
13N0050B	112335.05	2.58	13.33	120	A	61	11.8
13N0050B	3312.99	0.08	13.33	120	D	87	0.5
13N0050B	71858.84	1.65	13.33	120	A	61	7.5
13N0050B	150379.65	3.45	13.33	120	D	87	22.5
13N0050B	36270.07	0.83	13.33	120	-	98	6.1
13N0050B	2615.62	0.06	13.33	182	D	89	0.4
13N0050B	1272.51	0.03	13.33	182	A	68	0.1
13N0050B	1158.37	0.03	13.33	182	D	89	0.2
13N0050B	139.58	0.00	13.33	182	D	89	0.0
13N0050B	38688.98	0.89	13.33	500	D	98	6.5
13N0050B	24087.62	0.55	13.33	500	A	98	4.1
13N0050B	6977.80	0.16	13.33	600	D	98	1.2
13N0050B	16.57	0.00	13.33	600	A	98	0.0
13N0050B Total							**80.7**
13N0100B	112922.04	2.59	15.62	120	D	87	14.4
13N0100B	160354.72	3.68	15.62	120	A	61	14.4
13N0100B	327954.69	7.53	15.62	120	D	87	41.9
13N0100B	19969.64	0.46	15.62	500	D	98	2.9
13N0100B	16192.41	0.37	15.62	500	A	98	2.3
13N0100B	40793.94	0.94	15.62	500	D	98	5.9
13N0100B	1255.47	0.03	15.62	600	D	98	0.2
13N0100B	689.20	0.02	15.62	600	D	98	0.1
13N0100B	296.76	0.01	15.62	600	D	98	0.0
13N0100B Total							**82.2**
13N0200B	24818.07	0.57	3.54	120	D	87	14.0
13N0200B	15626.59	0.36	3.54	120	D	87	8.8
13N0200B	92513.02	2.12	3.54	600	D	98	58.7
13N0200B	21388.03	0.49	3.54	600	D	98	13.6
13N0200B Total							**95.1**
13N0200B2	89856.88	2.06	37.10	120	A	61	3.4
13N0200B2	293.19	0.01	37.10	120	A	61	0.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13N0200B2	170621.18	3.92	37.10	120	D	87	9.2
13N0200B2	5.75	0.00	37.10	120	-	98	0.0
13N0200B2	393230.74	9.03	37.10	120	D	87	21.2
13N0200B2	30497.02	0.70	37.10	120	D	87	1.6
13N0200B2	12179.46	0.28	37.10	500	D	98	0.7
13N0200B2	427172.02	9.81	37.10	500	-	98	25.9
13N0200B2	239423.04	5.50	37.10	600	D	98	14.5
13N0200B2	1516.75	0.03	37.10	600	-	98	0.1
13N0200B2	27928.67	0.64	37.10	600	D	98	1.7
13N0200B2	13475.46	0.31	37.10	600	D	98	0.8
13N0200B2	7262.16	0.17	37.10	600	D	98	0.4
13N0200B2	19386.05	0.45	37.10	600	-	98	1.2
13N0200B2	13973.91	0.32	37.10	600	D	98	0.8
13N0200B2	76116.91	1.75	37.10	600	-	98	4.6
13N0200B2	71522.59	1.64	37.10	600	D	98	4.3
13N0200B2	364.39	0.01	37.10	600	-	98	0.0
13N0200B2	17429.29	0.40	37.10	600	D	98	1.1
13N0200B2	3609.84	0.08	37.10	600	D	98	0.2
13N0200B2	211.10	0.00	37.10	600	D	98	0.0
13N0200B2 Total							**91.9**
13N0201B	125171.98	2.87	9.36	120	A	61	18.7
13N0201B	208116.35	4.78	9.36	120	A	61	31.1
13N0201B	644.72	0.01	9.36	120	D	87	0.1
13N0201B	1247.40	0.03	9.36	120	D	87	0.3
13N0201B	1023.07	0.02	9.36	130	A	77	0.2
13N0201B	8602.84	0.20	9.36	8142	A	85	1.8
13N0201B	2386.45	0.05	9.36	8142	A	85	0.5
13N0201B	60562.92	1.39	9.36	8142	D	93	13.8
13N0201B Total							**66.6**
13N0301B	9066.92	0.21	12.07	120	A	61	1.1
13N0301B	177972.68	4.09	12.07	120	D	87	29.4
13N0301B	167111.22	3.84	12.07	120	D	87	27.7
13N0301B	9234.54	0.21	12.07	120	A	61	1.1
13N0301B	768.15	0.02	12.07	182	D	89	0.1
13N0301B	24481.31	0.56	12.07	182	A	68	3.2
13N0301B	3569.52	0.08	12.07	182	D	89	0.6
13N0301B	133568.58	3.07	12.07	182	D	89	22.6
13N0301B Total							**85.7**
13N0302B	0.73	0.00	23.30	120	D	87	0.0
13N0302B	669569.66	15.37	23.30	120	D	87	57.4
13N0302B	1928.94	0.04	23.30	120	A	61	0.1
13N0302B	10.34	0.00	23.30	182	D	89	0.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13N0302B	343477.86	7.89	23.30	182	D	89	30.1
13N0302B Total							**87.6**
13N0600B	20597.07	0.47	29.60	120	D	87	1.4
13N0600B	1068072.74	24.52	29.60	120	D	87	72.1
13N0600B	43630.45	1.00	29.60	120	A	61	2.1
13N0600B	53220.36	1.22	29.60	120	A	61	2.5
13N0600B	103925.45	2.39	29.60	400	D	79	6.4
13N0600B Total							**84.4**
13N0650B	1105134.63	25.37	42.38	120	D	87	52.1
13N0650B	367166.85	8.43	42.38	400	D	79	15.7
13N0650B	1.49	0.00	42.38	500	D	98	0.0
13N0650B	207024.74	4.75	42.38	500	-	98	11.0
13N0650B	93064.34	2.14	42.38	600	D	98	4.9
13N0650B	73561.82	1.69	42.38	600	-	98	3.9
13N0650B Total							**87.6**
13N0700B	13832.18	0.32	4.62	120	D	87	6.0
13N0700B	1347.94	0.03	4.62	120	A	61	0.4
13N0700B	8490.62	0.19	4.62	120	D	87	3.7
13N0700B	257.25	0.01	4.62	500	D	98	0.1
13N0700B	79509.34	1.83	4.62	600	D	98	38.7
13N0700B	17301.71	0.40	4.62	600	A	98	8.4
13N0700B	80441.90	1.85	4.62	600	D	98	39.2
13N0700B Total							**96.5**
13N0700B2	10473.42	0.24	103.69	120	D	87	0.2
13N0700B2	44944.81	1.03	103.69	120	D	87	0.9
13N0700B2	2188.19	0.05	103.69	120	A	61	0.0
13N0700B2	560119.79	12.86	103.69	120	A	61	7.6
13N0700B2	345.02	0.01	103.69	120	-	98	0.0
13N0700B2	116500.66	2.67	103.69	120	D	87	2.2
13N0700B2	8461.45	0.19	103.69	120	-	98	0.2
13N0700B2	114241.47	2.62	103.69	120	D	87	2.2
13N0700B2	256106.31	5.88	103.69	120	A	61	3.5
13N0700B2	208345.97	4.78	103.69	120	A	61	2.8
13N0700B2	186281.83	4.28	103.69	120	D	87	3.6
13N0700B2	89282.83	2.05	103.69	120	D	87	1.7
13N0700B2	927.86	0.02	103.69	120	-	98	0.0
13N0700B2	1.80	0.00	103.69	120	D	87	0.0
13N0700B2	7162.51	0.16	103.69	120	A	61	0.1
13N0700B2	214870.58	4.93	103.69	120	A	61	2.9
13N0700B2	48979.28	1.12	103.69	140	A	89	1.0
13N0700B2	38482.76	0.88	103.69	140	A	89	0.8
13N0700B2	1144.21	0.03	103.69	140	A	89	0.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13N0700B2	1394.85	0.03	103.69	140	D	95	0.0
13N0700B2	125751.78	2.89	103.69	140	D	95	2.6
13N0700B2	7513.75	0.17	103.69	140	A	89	0.1
13N0700B2	50715.69	1.16	103.69	140	A	89	1.0
13N0700B2	68137.45	1.56	103.69	140	A	89	1.3
13N0700B2	33468.95	0.77	103.69	400	A	36	0.3
13N0700B2	161598.23	3.71	103.69	400	D	79	2.8
13N0700B2	202540.68	4.65	103.69	400	A	36	1.6
13N0700B2	223.06	0.01	103.69	400	-	98	0.0
13N0700B2	38446.62	0.88	103.69	400	D	79	0.7
13N0700B2	255929.27	5.88	103.69	400	A	36	2.0
13N0700B2	13533.24	0.31	103.69	400	-	98	0.3
13N0700B2	2053.08	0.05	103.69	400	D	79	0.0
13N0700B2	678.81	0.02	103.69	500	D	98	0.0
13N0700B2	163657.68	3.76	103.69	500	-	98	3.6
13N0700B2	8271.11	0.19	103.69	500	A	98	0.2
13N0700B2	1352.29	0.03	103.69	500	A	98	0.0
13N0700B2	316.52	0.01	103.69	500	D	98	0.0
13N0700B2	254920.83	5.85	103.69	500	-	98	5.5
13N0700B2	8218.20	0.19	103.69	500	D	98	0.2
13N0700B2	131.33	0.00	103.69	500	A	98	0.0
13N0700B2	79924.53	1.83	103.69	500	-	98	1.7
13N0700B2	69.39	0.00	103.69	500	A	98	0.0
13N0700B2	2082.74	0.05	103.69	500	D	98	0.0
13N0700B2	714.84	0.02	103.69	500	A	98	0.0
13N0700B2	171541.58	3.94	103.69	500	-	98	3.7
13N0700B2	0.34	0.00	103.69	600	-	98	0.0
13N0700B2	26996.24	0.62	103.69	600	A	98	0.6
13N0700B2	34368.22	0.79	103.69	600	D	98	0.7
13N0700B2	68225.79	1.57	103.69	600	D	98	1.5
13N0700B2	25300.38	0.58	103.69	600	A	98	0.5
13N0700B2	9881.60	0.23	103.69	600	-	98	0.2
13N0700B2	14498.68	0.33	103.69	600	D	98	0.3
13N0700B2	7658.34	0.18	103.69	600	A	98	0.2
13N0700B2	342656.07	7.87	103.69	600	D	98	7.4
13N0700B2	18709.30	0.43	103.69	600	A	98	0.4
13N0700B2	12271.78	0.28	103.69	600	-	98	0.3
13N0700B2	11808.23	0.27	103.69	600	A	98	0.3
13N0700B2	38368.44	0.88	103.69	600	-	98	0.8
13N0700B2	5717.51	0.13	103.69	600	D	98	0.1
13N0700B2	152274.73	3.50	103.69	600	-	98	3.3
13N0700B2	782.59	0.02	103.69	600	D	98	0.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study
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Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13N0700B2	1030.78	0.02	103.69	600	A	98	0.0
13N0700B2	10598.64	0.24	103.69	600	D	98	0.2
13N0700B2	7008.22	0.16	103.69	600	D	98	0.2
13N0700B2	18146.25	0.42	103.69	600	D	98	0.4
13N0700B2	10220.12	0.23	103.69	600	A	98	0.2
13N0700B2	13415.34	0.31	103.69	600	A	98	0.3
13N0700B2	22639.15	0.52	103.69	600	-	98	0.5
13N0700B2	1178.53	0.03	103.69	8142	A	85	0.0
13N0700B2	14486.81	0.33	103.69	8142	A	85	0.3
13N0700B2	13130.98	0.30	103.69	8142	D	93	0.3
13N0700B2	7989.74	0.18	103.69	8142	D	93	0.2
13N0700B2	48546.34	1.11	103.69	8142	A	85	0.9
13N0700B2	1095.42	0.03	103.69	8142	D	93	0.0
13N0700B2	15863.91	0.36	103.69	8142	A	85	0.3
13N0700B2 Total							**78.0**
13N0701B	77459.69	1.78	31.92	120	D	87	4.8
13N0701B	109046.97	2.50	31.92	120	A	61	4.8
13N0701B	823382.81	18.90	31.92	120	D	87	51.5
13N0701B	3585.44	0.08	31.92	120	A	61	0.2
13N0701B	89485.19	2.05	31.92	120	A	61	3.9
13N0701B	80911.04	1.86	31.92	190	D	84	4.9
13N0701B	117893.96	2.71	31.92	190	D	84	7.1
13N0701B	88819.42	2.04	31.92	190	A	49	3.1
13N0701B Total							**80.4**
13N0710B	443403.24	10.18	11.04	120	D	87	80.2
13N0710B	37398.16	0.86	11.04	600	D	98	7.6
13N0710B Total							**87.9**
13N0720B	344445.67	7.91	7.91	120	D	87	87.0
13N0720B	105.94	0.00	7.91	600	D	98	0.0
13N0720B Total							**87.0**
13N0730B	820691.28	18.84	18.84	120	D	87	87.0
13N0730B Total							**87.0**
13N0740B	539935.94	12.40	12.40	120	D	87	87.0
13N0740B Total							**87.0**
13N0750B	122074.36	2.80	3.46	120	D	87	70.4
13N0750B	28782.14	0.66	3.46	600	D	98	18.7
13N0750B Total							**89.1**
13N0751B	1980740.42	45.47	45.47	120	D	87	87.0
13N0751B Total							**87.0**
13N0752B	311652.66	7.15	8.01	120	D	87	77.7
13N0752B	37339.38	0.86	8.01	190	D	84	9.0
13N0752B Total							**86.7**

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13N0800B	20615.77	0.47	6.10	120	D	87	6.8
13N0800B	34899.17	0.80	6.10	120	A	61	8.0
13N0800B	173036.45	3.97	6.10	120	D	87	56.7
13N0800B	3479.89	0.08	6.10	500	D	98	1.3
13N0800B	24022.44	0.55	6.10	500	D	98	8.9
13N0800B	1004.57	0.02	6.10	600	D	98	0.4
13N0800B	4046.78	0.09	6.10	600	A	98	1.5
13N0800B	4479.61	0.10	6.10	600	D	98	1.7
13N0800B	50.60	0.00	6.10	600	D	98	0.0
13N0800B Total							**85.1**
13N0850B	72321.20	1.66	4.54	120	D	87	31.9
13N0850B	4.42	0.00	4.54	120	-	98	0.0
13N0850B	53544.96	1.23	4.54	500	-	98	26.6
13N0850B	12726.71	0.29	4.54	600	D	98	6.3
13N0850B	58948.79	1.35	4.54	600	-	98	29.2
13N0850B Total							**94.0**
13N0900B	35815.22	0.82	7.37	120	A	61	6.8
13N0900B	3173.47	0.07	7.37	120	A	61	0.6
13N0900B	242039.24	5.56	7.37	120	D	87	65.6
13N0900B	39608.18	0.91	7.37	500	D	98	12.1
13N0900B	423.36	0.01	7.37	600	D	98	0.1
13N0900B Total							**85.2**
13P0200B	374982.17	8.61	10.73	120	D	87	69.8
13P0200B	50489.41	1.16	10.73	120	A	61	6.6
13P0200B	29913.37	0.69	10.73	120	D	87	5.6
13P0200B	12154.68	0.28	10.73	182	D	89	2.3
13P0200B Total							**84.2**
13P0400B	2454.79	0.06	2.11	120	A	61	1.6
13P0400B	29714.81	0.68	2.11	120	D	87	28.1
13P0400B	13959.26	0.32	2.11	182	A	68	10.3
13P0400B	4301.65	0.10	2.11	182	A	68	3.2
13P0400B	41662.82	0.96	2.11	182	D	89	40.3
13P0400B Total							**83.4**
13P0500B	37178.48	0.85	11.16	120	D	87	6.7
13P0500B	26763.09	0.61	11.16	120	D	87	4.8
13P0500B	104330.24	2.40	11.16	120	A	61	13.1
13P0500B	65473.28	1.50	11.16	120	A	61	8.2
13P0500B	54749.78	1.26	11.16	120	D	87	9.8
13P0500B	1157.07	0.03	11.16	182	D	89	0.2
13P0500B	33359.32	0.77	11.16	182	A	68	4.7
13P0500B	76480.98	1.76	11.16	182	D	89	14.0
13P0500B	55320.35	1.27	11.16	600	D	98	11.1

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P0500B	3344.86	0.08	11.16	600	A	98	0.7
13P0500B	28095.98	0.64	11.16	600	D	98	5.7
13P0500B Total							**78.9**
13P0501B	204820.25	4.70	7.98	120	D	87	51.2
13P0501B	142943.26	3.28	7.98	182	D	89	36.6
13P0501B Total							**87.8**
13P0502B	114843.46	2.64	4.58	120	D	87	50.1
13P0502B	1212.10	0.03	4.58	120	D	87	0.5
13P0502B	3325.91	0.08	4.58	182	D	89	1.5
13P0502B	79925.61	1.83	4.58	182	D	89	35.7
13P0502B	2.46	0.00	4.58	120	D	87	0.0
13P0502B	16.52	0.00	4.58	182	D	89	0.0
13P0502B Total							**87.8**
13P0800B	40479.99	0.93	0.94	120	D	87	86.1
13P0800B	401.67	0.01	0.94	182	D	89	0.9
13P0800B Total							**87.0**
13P0900B	45607.89	1.05	2.34	120	D	87	39.0
13P0900B	56113.12	1.29	2.34	182	D	89	49.1
13P0900B Total							**88.1**
13P0950B	245314.53	5.63	9.78	120	D	87	50.1
13P0950B	6887.58	0.16	9.78	170	D	95	1.5
13P0950B	162241.39	3.72	9.78	182	D	89	33.9
13P0950B	11369.96	0.26	9.78	400	D	79	2.1
13P0950B Total							**87.7**
13P1000B	350875.48	8.05	11.46	120	D	87	61.2
13P1000B	55015.46	1.26	11.46	140	D	95	10.5
13P1000B	2033.89	0.05	11.46	182	D	89	0.4
13P1000B	91191.75	2.09	11.46	182	D	89	16.3
13P1000B Total							**88.3**
13P1250B	193.72	0.00	4.19	120	D	87	0.1
13P1250B	19113.85	0.44	4.19	120	D	87	9.1
13P1250B	163410.22	3.75	4.19	182	D	89	79.6
13P1250B Total							**88.8**
13P1300B	58038.16	1.33	1.52	120	D	87	76.4
13P1300B	8051.92	0.18	1.52	182	D	89	10.8
13P1300B Total							**87.2**
13P1650B	340.31	0.01	2.16	120	D	87	0.3
13P1650B	633.69	0.01	2.16	120	D	87	0.6
13P1650B	27221.76	0.62	2.16	130	D	92	26.6
13P1650B	65882.89	1.51	2.16	182	D	89	62.3
13P1650B Total							**89.8**
13P1800B	29047.12	0.67	23.61	130	D	92	2.6

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P1800B	2617.55	0.06	23.61	130	-	98	0.2
13P1800B	704919.23	16.18	23.61	140	D	95	65.1
13P1800B	154674.04	3.55	23.61	182	D	89	13.4
13P1800B	1182.84	0.03	23.61	182	-	98	0.1
13P1800B	2265.42	0.05	23.61	500	D	98	0.2
13P1800B	87375.09	2.01	23.61	500	-	98	8.3
13P1800B	35861.02	0.82	23.61	600	D	98	3.4
13P1800B	10521.43	0.24	23.61	8142	D	93	1.0
13P1800B Total							**94.4**
13P1801B	8983.47	0.21	3.33	120	D	87	5.4
13P1801B	132684.60	3.05	3.33	130	D	92	84.1
13P1801B	3562.38	0.08	3.33	140	D	95	2.3
13P1801B Total							**91.8**
13P1810B	101222.60	2.32	10.05	140	D	95	22.0
13P1810B	133694.26	3.07	10.05	140	D	95	29.0
13P1810B	165.45	0.00	10.05	182	D	89	0.0
13P1810B	202507.34	4.65	10.05	8142	D	93	43.0
13P1810B Total							**94.1**
13P1826B	167115.56	3.84	18.47	120	D	87	18.1
13P1826B	9677.76	0.22	18.47	120	D	87	1.0
13P1826B	330381.72	7.58	18.47	140	D	95	39.0
13P1826B	45818.65	1.05	18.47	140	D	95	5.4
13P1826B	75134.26	1.72	18.47	170	D	95	8.9
13P1826B	60507.32	1.39	18.47	400	D	79	5.9
13P1826B	40496.07	0.93	18.47	600	D	98	4.9
13P1826B	75475.73	1.73	18.47	8142	D	93	8.7
13P1826B Total							**92.0**
13P1900B	29537.29	0.68	25.90	140	D	95	2.5
13P1900B	11200.58	0.26	25.90	140	D	95	0.9
13P1900B	467179.92	10.72	25.90	140	D	95	39.3
13P1900B	161.94	0.00	25.90	140	-	98	0.0
13P1900B	8973.26	0.21	25.90	500	D	98	0.8
13P1900B	221302.44	5.08	25.90	500	-	98	19.2
13P1900B	92406.69	2.12	25.90	600	D	98	8.0
13P1900B	24558.01	0.56	25.90	600	-	98	2.1
13P1900B	127944.08	2.94	25.90	600	D	98	11.1
13P1900B	28625.09	0.66	25.90	600	D	98	2.5
13P1900B	109572.92	2.52	25.90	600	D	98	9.5
13P1900B	4482.55	0.10	25.90	600	-	98	0.4
13P1900B	1992.88	0.05	25.90	8142	D	93	0.2
13P1900B	197.51	0.00	25.90	8142	D	93	0.0
13P1900B Total							**96.6**

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P1901B	40768.21	0.94	4.06	140	D	95	21.9
13P1901B	8258.16	0.19	4.06	140	D	95	4.4
13P1901B	2397.38	0.06	4.06	8142	D	93	1.3
13P1901B	125428.35	2.88	4.06	8142	D	93	66.0
13P1901B Total							**93.6**
13P1902B	48337.08	1.11	1.84	140	D	95	57.2
13P1902B	29299.00	0.67	1.84	140	D	95	34.7
13P1902B	759.03	0.02	1.84	600	D	98	0.9
13P1902B	1849.17	0.04	1.84	600	D	98	2.3
13P1902B Total							**95.1**
13P1920B	189.31	0.00	9.05	120	D	87	0.0
13P1920B	381570.97	8.76	9.05	140	D	95	91.9
13P1920B	9004.32	0.21	9.05	140	D	95	2.2
13P1920B	211.29	0.00	9.05	190	D	84	0.0
13P1920B	396.60	0.01	9.05	190	D	84	0.1
13P1920B	2980.55	0.07	9.05	600	D	98	0.7
13P1920B Total							**95.0**
13P2010B	46.95	0.00	0.91	140	D	95	0.1
13P2010B	1406.96	0.03	0.91	140	D	95	3.4
13P2010B	353.47	0.01	0.91	140	D	95	0.8
13P2010B	1424.84	0.03	0.91	8142	D	93	3.4
13P2010B	1738.54	0.04	0.91	8142	D	93	4.1
13P2010B	34567.47	0.79	0.91	8142	D	93	81.3
13P2010B Total							**93.1**
13P2014B	2306.10	0.05	1.68	140	D	95	3.0
13P2014B	995.48	0.02	1.68	140	D	95	1.3
13P2014B	70073.69	1.61	1.68	8142	D	93	88.8
13P2014B Total							**93.1**
13P2050B	13518.46	0.31	7.26	120	D	87	3.7
13P2050B	284745.13	6.54	7.26	140	D	95	85.6
13P2050B	17917.95	0.41	7.26	8142	D	93	5.3
13P2050B Total							**94.5**
13P2250B	6392.46	0.15	43.68	120	-	98	0.3
13P2250B	60920.65	1.40	43.68	120	D	87	2.8
13P2250B	581735.38	13.35	43.68	120	D	87	26.6
13P2250B	302895.71	6.95	43.68	140	D	95	15.1
13P2250B	256587.93	5.89	43.68	140	D	95	12.8
13P2250B	23083.27	0.53	43.68	600	-	98	1.2
13P2250B	109279.36	2.51	43.68	600	D	98	5.6
13P2250B	16.74	0.00	43.68	600	D	98	0.0
13P2250B	526727.25	12.09	43.68	500	-	98	27.1
13P2250B	3086.66	0.07	43.68	500	D	98	0.2

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P2250B	25983.97	0.60	43.68	500	D	98	1.3
13P2250B	5780.25	0.13	43.68	8142	D	93	0.3
13P2250B Total							**93.4**
13P2300B	3560.53	0.08	9.91	120	D	87	0.7
13P2300B	18440.07	0.42	9.91	140	D	95	4.1
13P2300B	342229.06	7.86	9.91	140	D	95	75.3
13P2300B	67436.75	1.55	9.91	8142	D	93	14.5
13P2300B Total							**94.6**
13P2400B	35376.22	0.81	31.50	120	D	87	2.2
13P2400B	2695.58	0.06	31.50	130	D	92	0.2
13P2400B	24303.07	0.56	31.50	130	A	77	1.4
13P2400B	412010.48	9.46	31.50	140	D	95	28.5
13P2400B	645140.31	14.81	31.50	140	D	95	44.7
13P2400B	14526.06	0.33	31.50	140	A	89	0.9
13P2400B	13305.27	0.31	31.50	500	D	98	1.0
13P2400B	8441.57	0.19	31.50	500	D	98	0.6
13P2400B	216125.64	4.96	31.50	8142	D	93	14.7
13P2400B Total							**94.1**
13P2600B	88709.64	2.04	340.03	110	D	85	0.5
13P2600B	41.22	0.00	340.03	110	D	85	0.0
13P2600B	1653.85	0.04	340.03	120	-	98	0.0
13P2600B	1639580.50	37.64	340.03	120	D	87	9.6
13P2600B	9142.38	0.21	340.03	120	-	98	0.1
13P2600B	69926.85	1.61	340.03	120	D	87	0.4
13P2600B	7.12	0.00	340.03	120	-	98	0.0
13P2600B	4683550.70	107.52	340.03	120	D	87	27.5
13P2600B	24191.40	0.56	340.03	120	A	61	0.1
13P2600B	24475.80	0.56	340.03	120	-	98	0.2
13P2600B	13161.90	0.30	340.03	120	D	87	0.1
13P2600B	103.09	0.00	340.03	130	D	92	0.0
13P2600B	46887.15	1.08	340.03	140	D	95	0.3
13P2600B	208111.57	4.78	340.03	190	D	84	1.2
13P2600B	189340.38	4.35	340.03	140	D	95	1.2
13P2600B	1420770.33	32.62	340.03	140	D	95	9.1
13P2600B	36121.77	0.83	340.03	140	A	89	0.2
13P2600B	157230.33	3.61	340.03	190	D	84	0.9
13P2600B	103959.83	2.39	340.03	500	-	98	0.7
13P2600B	5183.67	0.12	340.03	500	D	98	0.0
13P2600B	24137.76	0.55	340.03	500	D	98	0.2
13P2600B	64147.22	1.47	340.03	500	D	98	0.4
13P2600B	5302563.08	121.73	340.03	500	-	98	35.1
13P2600B	217419.13	4.99	340.03	600	D	98	1.4

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P2600B	27710.80	0.64	340.03	600	D	98	0.2
13P2600B	82.77	0.00	340.03	600	-	98	0.0
13P2600B	149.05	0.00	340.03	500	D	98	0.0
13P2600B	25493.26	0.59	340.03	600	D	98	0.2
13P2600B	3903.82	0.09	340.03	600	D	98	0.0
13P2600B	2732.50	0.06	340.03	600	D	98	0.0
13P2600B	50279.81	1.15	340.03	600	-	98	0.3
13P2600B	1302.14	0.03	340.03	600	D	98	0.0
13P2600B	44702.46	1.03	340.03	600	-	98	0.3
13P2600B	14990.86	0.34	340.03	600	D	98	0.1
13P2600B	18033.56	0.41	340.03	600	-	98	0.1
13P2600B	11212.73	0.26	340.03	500	D	98	0.1
13P2600B	12836.26	0.29	340.03	500	D	98	0.1
13P2600B	13985.00	0.32	340.03	600	D	98	0.1
13P2600B	18989.09	0.44	340.03	600	D	98	0.1
13P2600B	108604.68	2.49	340.03	600	D	98	0.7
13P2600B	29250.20	0.67	340.03	600	D	98	0.2
13P2600B	8900.70	0.20	340.03	600	-	98	0.1
13P2600B	88235.79	2.03	340.03	155	D	93	0.6
13P2600B Total							**92.4**
13P2640B	43074.95	0.99	8.49	120	D	87	10.1
13P2640B	634.24	0.01	8.49	120	D	87	0.1
13P2640B	179098.00	4.11	8.49	140	D	95	46.0
13P2640B	36969.65	0.85	8.49	140	D	95	9.5
13P2640B	110050.05	2.53	8.49	8142	D	93	27.7
13P2640B Total							**93.5**
13P2645B	58871.48	1.35	4.14	140	D	95	31.0
13P2645B	70607.56	1.62	4.14	140	D	95	37.2
13P2645B	50966.47	1.17	4.14	8142	D	93	26.3
13P2645B Total							**94.4**
13P2646B	9399.35	0.22	10.11	140	D	95	2.0
13P2646B	357353.53	8.20	10.11	140	D	95	77.1
13P2646B	73659.06	1.69	10.11	8142	D	93	15.6
13P2646B Total							**94.7**
13P2648B	144.79	0.00	26.83	120	-	98	0.0
13P2648B	81844.64	1.88	26.83	120	D	87	6.1
13P2648B	166656.14	3.83	26.83	120	A	61	8.7
13P2648B	138080.04	3.17	26.83	120	A	61	7.2
13P2648B	563380.03	12.93	26.83	140	D	95	45.8
13P2648B	2061.99	0.05	26.83	140	A	89	0.2
13P2648B	54640.64	1.25	26.83	600	D	98	4.6
13P2648B	24496.43	0.56	26.83	600	A	98	2.1

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P2648B	73368.25	1.68	26.83	600	-	98	6.2
13P2648B	2552.52	0.06	26.83	600	D	98	0.2
13P2648B	1261.08	0.03	26.83	600	A	98	0.1
13P2648B	4650.55	0.11	26.83	600	A	98	0.4
13P2648B	148.53	0.00	26.83	600	-	98	0.0
13P2648B	27828.02	0.64	26.83	600	A	98	2.3
13P2648B	59.27	0.00	26.83	600	-	98	0.0
13P2648B	5616.81	0.13	26.83	600	D	98	0.5
13P2648B	21720.59	0.50	26.83	600	A	98	1.8
13P2648B Total							**86.1**
13P2660B	165166.99	3.79	26.24	120	A	61	8.8
13P2660B	46497.36	1.07	26.24	120	D	87	3.5
13P2660B	42482.72	0.98	26.24	120	D	87	3.2
13P2660B	208599.85	4.79	26.24	120	A	61	11.1
13P2660B	137740.88	3.16	26.24	140	D	95	11.4
13P2660B	5761.14	0.13	26.24	140	D	95	0.5
13P2660B	2403.53	0.06	26.24	190	A	49	0.1
13P2660B	13365.07	0.31	26.24	400	A	36	0.4
13P2660B	868.90	0.02	26.24	400	D	79	0.1
13P2660B	110076.24	2.53	26.24	400	D	79	7.6
13P2660B	58627.75	1.35	26.24	600	D	98	5.0
13P2660B	125831.66	2.89	26.24	600	D	98	10.8
13P2660B	1451.14	0.03	26.24	600	A	98	0.1
13P2660B	21940.88	0.50	26.24	600	D	98	1.9
13P2660B	124163.80	2.85	26.24	600	D	98	10.6
13P2660B	78055.62	1.79	26.24	600	A	98	6.7
13P2660B Total							**82.0**
13P2661B	52904.34	1.21	29.89	120	A	61	2.5
13P2661B	9386.22	0.22	29.89	120	D	87	0.6
13P2661B	557181.30	12.79	29.89	120	A	61	26.1
13P2661B	74340.96	1.71	29.89	120	D	87	5.0
13P2661B	116259.59	2.67	29.89	120	A	61	5.4
13P2661B	6659.19	0.15	29.89	140	A	89	0.5
13P2661B	63045.09	1.45	29.89	190	A	49	2.4
13P2661B	129194.30	2.97	29.89	190	A	49	4.9
13P2661B	97694.90	2.24	29.89	600	D	98	7.4
13P2661B	60980.16	1.40	29.89	400	A	36	1.7
13P2661B	55920.43	1.28	29.89	400	A	36	1.5
13P2661B	515.36	0.01	29.89	400	D	79	0.0
13P2661B	21500.02	0.49	29.89	600	A	98	1.6
13P2661B	36932.68	0.85	29.89	600	D	98	2.8
13P2661B	19483.93	0.45	29.89	600	A	98	1.5

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Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13P2661B Total							**63.8**
13P2800B	111350.62	2.56	151.51	120	D	87	1.5
13P2800B	2133340.82	48.97	151.51	120	D	87	28.1
13P2800B	5394.63	0.12	151.51	120	D	87	0.1
13P2800B	766797.96	17.60	151.51	120	D	87	10.1
13P2800B	5077.12	0.12	151.51	130	D	92	0.1
13P2800B	9147.36	0.21	151.51	130	A	77	0.1
13P2800B	712355.38	16.35	151.51	130	D	92	9.9
13P2800B	790129.93	18.14	151.51	130	D	92	11.0
13P2800B	2075.97	0.05	151.51	140	D	95	0.0
13P2800B	811024.43	18.62	151.51	140	D	95	11.7
13P2800B	192530.00	4.42	151.51	170	D	95	2.8
13P2800B	650500.35	14.93	151.51	190	D	84	8.3
13P2800B	110656.68	2.54	151.51	190	A	49	0.8
13P2800B	28612.27	0.66	151.51	190	D	84	0.4
13P2800B	37184.12	0.85	151.51	500	D	98	0.6
13P2800B	696.65	0.02	151.51	500	D	98	0.0
13P2800B	33943.73	0.78	151.51	500	D	98	0.5
13P2800B	3833.08	0.09	151.51	600	D	98	0.1
13P2800B	29286.59	0.67	151.51	600	D	98	0.4
13P2800B	139430.29	3.20	151.51	600	D	98	2.1
13P2800B	26574.04	0.61	151.51	8142	D	93	0.4
13P2800B Total							**88.8**
13P2900B	2372.70	0.05	24.32	120	D	87	0.2
13P2900B	829300.74	19.04	24.32	120	D	87	68.1
13P2900B	204510.09	4.69	24.32	130	D	92	17.8
13P2900B	9920.81	0.23	24.32	140	D	95	0.9
13P2900B	13274.46	0.30	24.32	190	D	84	1.1
13P2900B Total							**88.0**
13Q0500B	118545.68	2.72	3.47	120	D	87	68.2
13Q0500B	32646.77	0.75	3.47	140	D	95	20.5
13Q0500B Total							**88.7**
13Q0820B	1415099.41	32.49	39.92	120	D	87	70.8
13Q0820B	440.63	0.01	39.92	120	A	61	0.0
13Q0820B	238364.04	5.47	39.92	140	D	95	13.0
13Q0820B	44618.51	1.02	39.92	500	D	98	2.5
13Q0820B	38694.11	0.89	39.92	500	D	98	2.2
13Q0820B	1588.24	0.04	39.92	8142	D	93	0.1
13Q0820B Total							**88.6**
13Q0840B	191.03	0.00	3.11	120	D	87	0.1
13Q0840B	99.32	0.00	3.11	190	D	84	0.1
13Q0840B	2574.75	0.06	3.11	190	D	84	1.6

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13Q0840B	8150.78	0.19	3.11	155	D	93	5.6
13Q0840B	42.71	0.00	3.11	155	D	93	0.0
13Q0840B	6878.55	0.16	3.11	155	D	93	4.7
13Q0840B	4579.87	0.11	3.11	600	D	98	3.3
13Q0840B	22398.64	0.51	3.11	600	D	98	16.2
13Q0840B	90630.09	2.08	3.11	600	D	98	65.5
13Q0840B Total							**97.2**
13Q0860B	49201.16	1.13	12.66	120	D	87	7.8
13Q0860B	1799.73	0.04	12.66	120	A	61	0.2
13Q0860B	15283.85	0.35	12.66	120	D	87	2.4
13Q0860B	3977.75	0.09	12.66	190	A	49	0.4
13Q0860B	24468.41	0.56	12.66	190	A	49	2.2
13Q0860B	137057.01	3.15	12.66	190	A	49	12.2
13Q0860B	878.01	0.02	12.66	400	D	79	0.1
13Q0860B	9219.48	0.21	12.66	400	A	36	0.6
13Q0860B	117366.78	2.69	12.66	400	A	36	7.7
13Q0860B	58485.73	1.34	12.66	400	D	79	8.4
13Q0860B	46902.77	1.08	12.66	400	A	36	3.1
13Q0860B	225.18	0.01	12.66	500	A	98	0.0
13Q0860B	22623.74	0.52	12.66	500	D	98	4.0
13Q0860B	9923.64	0.23	12.66	155	D	93	1.7
13Q0860B	5541.35	0.13	12.66	155	A	81	0.8
13Q0860B	11586.06	0.27	12.66	155	D	93	2.0
13Q0860B	28156.64	0.65	12.66	155	A	81	4.1
13Q0860B	8736.88	0.20	12.66	500	D	98	1.6
13Q0860B Total							**59.1**
13Q0861B	51373.52	1.18	5.06	120	D	87	20.3
13Q0861B	11110.89	0.26	5.06	120	A	61	3.1
13Q0861B	1012.78	0.02	5.06	190	D	84	0.4
13Q0861B	50446.67	1.16	5.06	190	A	49	11.2
13Q0861B	33.56	0.00	5.06	400	D	79	0.0
13Q0861B	7911.38	0.18	5.06	400	A	36	1.3
13Q0861B	4.55	0.00	5.06	400	A	36	0.0
13Q0861B	62732.12	1.44	5.06	155	D	93	26.5
13Q0861B	35938.64	0.83	5.06	155	A	81	13.2
13Q0861B Total							**75.9**
13Q0870B	2945.87	0.07	10.13	400	D	79	0.5
13Q0870B	40893.06	0.94	10.13	500	D	98	9.1
13Q0870B	35169.05	0.81	10.13	500	D	98	7.8
13Q0870B	76544.57	1.76	10.13	155	A	81	14.1
13Q0870B	121382.93	2.79	10.13	155	D	93	25.6
13Q0870B	8901.40	0.20	10.13	155	D	93	1.9

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13Q0870B	149830.20	3.44	10.13	155	D	93	31.6
13Q0870B	149.38	0.00	10.13	600	D	98	0.0
13Q0870B	5242.56	0.12	10.13	600	D	98	1.2
13Q0870B Total							**91.7**
13Q0875B	135466.79	3.11	5.11	120	D	87	53.0
13Q0875B	62232.54	1.43	5.11	120	D	87	24.3
13Q0875B	16196.69	0.37	5.11	500	D	98	7.1
13Q0875B	78.34	0.00	5.11	600	D	98	0.0
13Q0875B	8572.85	0.20	5.11	600	D	98	3.8
13Q0875B Total							**88.2**
13Q0880B	201888.11	4.63	7.83	120	D	87	51.5
13Q0880B	9129.09	0.21	7.83	190	D	84	2.2
13Q0880B	47084.75	1.08	7.83	190	D	84	11.6
13Q0880B	81874.34	1.88	7.83	190	D	84	20.2
13Q0880B	153.76	0.00	7.83	600	D	98	0.0
13Q0880B	668.92	0.02	7.83	600	D	98	0.2
13Q0880B	112.24	0.00	7.83	600	D	98	0.0
13Q0880B Total							**85.8**
13Q0885B	354157.20	8.13	9.02	120	D	87	78.4
13Q0885B	6427.89	0.15	9.02	140	D	95	1.6
13Q0885B	17941.52	0.41	9.02	190	D	84	3.8
13Q0885B	14335.22	0.33	9.02	190	D	84	3.1
13Q0885B Total							**86.9**
13Q0895B	857.49	0.02	2.78	120	D	87	0.6
13Q0895B	15.21	0.00	2.78	140	D	95	0.0
13Q0895B	22450.21	0.52	2.78	190	D	84	15.6
13Q0895B	8879.94	0.20	2.78	190	D	84	6.2
13Q0895B	88678.40	2.04	2.78	190	D	84	61.6
13Q0895B Total							**84.0**
13Q0924B	172557.86	3.96	5.05	120	D	87	68.2
13Q0924B	27481.17	0.63	5.05	400	D	79	9.9
13Q0924B	18141.93	0.42	5.05	600	D	98	8.1
13Q0924B	1917.24	0.04	5.05	155	D	93	0.8
13Q0924B Total							**87.0**
13Q0940B	197269.51	4.53	4.95	120	D	87	79.6
13Q0940B	72.46	0.00	4.95	155	D	93	0.0
13Q0940B	18372.31	0.42	4.95	500	D	98	8.3
13Q0940B Total							**87.9**
13Q1100B	42134.86	0.97	2.21	120	D	87	38.0
13Q1100B	9719.75	0.22	2.21	140	D	95	9.6
13Q1100B	3340.41	0.08	2.21	190	D	84	2.9
13Q1100B	921.53	0.02	2.21	190	D	84	0.8

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13Q1100B	34022.47	0.78	2.21	155	D	93	32.8
13Q1100B	229.67	0.01	2.21	155	D	93	0.2
13Q1100B	5531.85	0.13	2.21	600	D	98	5.6
13Q1100B	499.65	0.01	2.21	600	D	98	0.5
13Q1100B Total							**90.5**
13Q1300B	7935.94	0.18	0.81	155	A	81	18.2
13Q1300B	27397.23	0.63	0.81	155	D	93	72.1
13Q1300B Total							**90.3**
13Q1600B	54.71	0.00	3.31	155	D	93	0.0
13Q1600B	141378.56	3.25	3.31	155	D	93	91.2
13Q1600B	28.50	0.00	3.31	155	A	81	0.0
13Q1600B	2744.54	0.06	3.31	155	A	81	1.5
13Q1600B Total							**92.8**
13Q1900B	7549.83	0.17	27.53	120	D	87	0.5
13Q1900B	138037.62	3.17	27.53	120	D	87	10.0
13Q1900B	95629.09	2.20	27.53	120	D	87	6.9
13Q1900B	102865.32	2.36	27.53	130	D	92	7.9
13Q1900B	75209.05	1.73	27.53	140	D	95	6.0
13Q1900B	1590.03	0.04	27.53	140	A	89	0.1
13Q1900B	385835.86	8.86	27.53	140	D	95	30.6
13Q1900B	2996.02	0.07	27.53	190	D	84	0.2
13Q1900B	1195.08	0.03	27.53	190	A	49	0.0
13Q1900B	181113.59	4.16	27.53	400	D	79	11.9
13Q1900B	62137.07	1.43	27.53	400	D	79	4.1
13Q1900B	55848.28	1.28	27.53	400	A	36	1.7
13Q1900B	67744.01	1.56	27.53	400	D	79	4.5
13Q1900B	2504.90	0.06	27.53	400	A	36	0.1
13Q1900B	214.78	0.00	27.53	400	D	79	0.0
13Q1900B	4024.04	0.09	27.53	155	D	93	0.3
13Q1900B	12405.58	0.28	27.53	155	D	93	1.0
13Q1900B	2477.99	0.06	27.53	155	A	81	0.2
13Q1900B Total							**86.0**
13Q2290B	8887.28	0.20	20.71	120	A	61	0.6
13Q2290B	214420.56	4.92	20.71	140	D	95	22.6
13Q2290B	301559.53	6.92	20.71	140	A	89	29.7
13Q2290B	7743.24	0.18	20.71	140	A	89	0.8
13Q2290B	44260.12	1.02	20.71	190	D	84	4.1
13Q2290B	5109.40	0.12	20.71	190	A	49	0.3
13Q2290B	41909.50	0.96	20.71	190	A	49	2.3
13Q2290B	159485.95	3.66	20.71	190	A	49	8.7
13Q2290B	35730.20	0.82	20.71	400	A	36	1.4
13Q2290B	83077.21	1.91	20.71	500	A	98	9.0

Casselberry Golf Course Stormwater Opportunity Feasibility Study
Existing Conditions Curve Number Calculations

Basin ID	Sub Area (sq. ft)	Sub Area (ac.)	Total Basin Area (ac.)	Landuse	Hydro Group	Curve Number	Weighted Curve Number
13Q2290B Total							**79.5**
13Q2300B	172172.45	3.95	10.55	140	D	95	35.6
13Q2300B	287565.55	6.60	10.55	140	A	89	55.7
13Q2300B Total							**91.2**

Appendix D
Existing Conditions
(Hydrologic & Hydraulic Model Data)

D.2 Input Data – Existing Conditions

```
==========================================================================================
==== Basins ==============================================================================
==========================================================================================

         Name: 13A0100B                Node: 13A0100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.940                      Time Shift(hrs): 0.00
         Curve Number: 84.91              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0300B                Node: 13A0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 107.00
            Area(ac): 29.540                     Time Shift(hrs): 0.00
         Curve Number: 81.06              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0600B                Node: 13A0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 124.00
            Area(ac): 9.680                      Time Shift(hrs): 0.00
         Curve Number: 92.05              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0725B                Node: 13A0725N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.520                      Time Shift(hrs): 0.00
         Curve Number: 82.88              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0735B                Node: 13A0735P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 62.00
            Area(ac): 20.270                     Time Shift(hrs): 0.00
         Curve Number: 87.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0800B                Node: 13A0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 16.420                     Time Shift(hrs): 0.00
         Curve Number: 73.45              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0820B                Node: 13A0820P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 160.00
             Area(ac): 34.270                    Time Shift(hrs): 0.00
        Curve Number: 89.89                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A0950B                 Node: 13A0950N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.900                    Time Shift(hrs): 0.00
        Curve Number: 76.25                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1000B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.360                     Time Shift(hrs): 0.00
        Curve Number: 77.41                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1001B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 64.00
             Area(ac): 12.670                    Time Shift(hrs): 0.00
        Curve Number: 72.34                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1002B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.580                     Time Shift(hrs): 0.00
        Curve Number: 84.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1101B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 89.00
             Area(ac): 23.280                    Time Shift(hrs): 0.00
        Curve Number: 81.85                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1102B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.660                     Time Shift(hrs): 0.00
        Curve Number: 84.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13A1300B                Node: 13A1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 10.410                   Time Shift(hrs): 0.00
         Curve Number: 86.80              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1400B                Node: 13A1400N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.680                    Time Shift(hrs): 0.00
         Curve Number: 79.51              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1600B                Node: 13A1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.200                    Time Shift(hrs): 0.00
         Curve Number: 89.98              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1601B                Node: 13A1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
             Area(ac): 7.720                    Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1700B                Node: 13A1700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.910                    Time Shift(hrs): 0.00
         Curve Number: 89.75              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1701B                Node: 13A1700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 30.960                   Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1800B                Node: 13A1800N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.670                    Time Shift(hrs): 0.00
          Curve Number: 89.30              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1801B                 Node: 13A1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 6.580                    Time Shift(hrs): 0.00
          Curve Number: 83.20              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1802B                 Node: 13A1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 1.710                    Time Shift(hrs): 0.00
          Curve Number: 80.88              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1901B                 Node: 13A1900N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 28.00
             Area(ac): 14.830                   Time Shift(hrs): 0.00
          Curve Number: 84.14              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1902B                 Node: 13A1900N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.410                    Time Shift(hrs): 0.00
          Curve Number: 76.94              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2100B                 Node: 13A2100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.370                    Time Shift(hrs): 0.00
          Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2200B                 Node: 13A2200N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 7.230                    Time Shift(hrs): 0.00
          Curve Number: 91.93              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A2201B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 20.390                     Time Shift(hrs): 0.00
         Curve Number: 82.68               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2202B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.910                      Time Shift(hrs): 0.00
         Curve Number: 80.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2220B                Node: 13A2220P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 17.460                     Time Shift(hrs): 0.00
         Curve Number: 66.07               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2300B                Node: 13A2300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.700                      Time Shift(hrs): 0.00
         Curve Number: 83.98               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2350B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.980                      Time Shift(hrs): 0.00
         Curve Number: 89.67               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2351B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.650                      Time Shift(hrs): 0.00
         Curve Number: 83.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2400B                Node: 13A2400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 5.280                    Time Shift(hrs): 0.00
        Curve Number: 83.77             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2600B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.600                    Time Shift(hrs): 0.00
        Curve Number: 90.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2601B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 34.00
            Area(ac): 35.030                   Time Shift(hrs): 0.00
        Curve Number: 78.69             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2701B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.870                    Time Shift(hrs): 0.00
        Curve Number: 82.29             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2750B                Node: 13A2750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 16.880                   Time Shift(hrs): 0.00
        Curve Number: 80.67             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2820B                Node: 13A2820P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 10.590                   Time Shift(hrs): 0.00
        Curve Number: 82.14             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2900B                Node: 13A2900N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 82.00
            Area(ac): 22.470                   Time Shift(hrs): 0.00
        Curve Number: 69.30             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13A2901B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 118.00
            Area(ac): 43.380                    Time Shift(hrs): 0.00
         Curve Number: 73.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A2902B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 77.00
            Area(ac): 39.360                    Time Shift(hrs): 2.22
         Curve Number: 65.83             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A2903B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 96.00
            Area(ac): 33.570                    Time Shift(hrs): 4.30
         Curve Number: 52.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3200B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.420                     Time Shift(hrs): 0.00
         Curve Number: 85.41             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3201B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 25.00
            Area(ac): 16.280                    Time Shift(hrs): 0.00
         Curve Number: 83.40             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3202B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.970                     Time Shift(hrs): 0.00
         Curve Number: 75.92             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3300B                Node: 13A3300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.210                   Time Shift(hrs): 0.00
           Curve Number: 87.18               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3320B                 Node: 13A3320P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.340                   Time Shift(hrs): 0.00
           Curve Number: 77.64               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3400B                 Node: 13A3400N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 40.400                   Time Shift(hrs): 0.00
           Curve Number: 83.51               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3420B                 Node: 13A3420P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.660                    Time Shift(hrs): 0.00
           Curve Number: 70.01               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3440B                 Node: 13A3440P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 182.00
               Area(ac): 19.240                   Time Shift(hrs): 0.00
           Curve Number: 56.10               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3600B                 Node: 13A3600N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.700                    Time Shift(hrs): 0.00
           Curve Number: 86.31               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3910B                 Node: 13A3910P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.290                   Time Shift(hrs): 0.00
           Curve Number: 85.67               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13A3920B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.210                  Time Shift(hrs): 0.00
        Curve Number: 93.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3921B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.560                  Time Shift(hrs): 0.00
        Curve Number: 83.28             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3930B                Node: 13A3930N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 21.000                  Time Shift(hrs): 0.00
        Curve Number: 83.49             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3940B                Node: 13A3940N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.500                   Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3950B                Node: 13A3950N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 9.990                   Time Shift(hrs): 0.00
        Curve Number: 83.78             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3952B                Node: 13A3952P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 102.00
            Area(ac): 46.940                  Time Shift(hrs): 0.00
        Curve Number: 67.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3954B                Node: 13A3954P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
```

```
             Area(ac): 35.320                 Time Shift(hrs): 0.00
         Curve Number: 65.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3956B                Node: 13A3954P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.820                  Time Shift(hrs): 0.00
         Curve Number: 56.11             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3960B                Node: 13A3960P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.560                  Time Shift(hrs): 0.00
         Curve Number: 72.26             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3962B                Node: 13A3962P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
             Area(ac): 24.070                 Time Shift(hrs): 0.00
         Curve Number: 81.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3964B                Node: 13A3962P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 16.340                 Time Shift(hrs): 0.00
         Curve Number: 84.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3990B                Node: 13A3990P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 38.570                 Time Shift(hrs): 0.00
         Curve Number: 72.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A4000B                Node: 13A4000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.450                  Time Shift(hrs): 0.00
         Curve Number: 93.63             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
         Name: 13A4120B                 Node: 13A4120P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.400                     Time Shift(hrs): 0.00
         Curve Number: 86.21               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4200B                 Node: 13A4200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.700                      Time Shift(hrs): 0.00
         Curve Number: 90.79               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4300B                 Node: 13A4300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 20.100                     Time Shift(hrs): 0.00
         Curve Number: 87.40               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4301B                 Node: 13A4300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.530                     Time Shift(hrs): 0.00
         Curve Number: 80.75               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4700B                 Node: 13A4700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 19.780                     Time Shift(hrs): 0.00
         Curve Number: 81.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4701B                 Node: 13A4700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.320                      Time Shift(hrs): 0.00
         Curve Number: 83.02               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4720B                 Node: 13A4700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.640                     Time Shift(hrs): 0.00
```

```
          Curve Number: 49.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A4721B                Node: 13A4700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 17.010                  Time Shift(hrs): 0.50
          Curve Number: 48.27             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5001B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.770                  Time Shift(hrs): 0.00
          Curve Number: 91.93             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5002B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.910                   Time Shift(hrs): 0.00
          Curve Number: 88.11             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5100B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.790                  Time Shift(hrs): 0.00
          Curve Number: 93.87             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5101B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.780                  Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5300B                Node: 13A5300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.350                   Time Shift(hrs): 0.00
          Curve Number: 88.04             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5320B                Node: 13A5320P              Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.540                    Time Shift(hrs): 0.00
         Curve Number: 61.91               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A5400B                 Node: 13A5400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
             Area(ac): 23.730                    Time Shift(hrs): 0.00
         Curve Number: 83.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A5500B                 Node: 13A5500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.830                    Time Shift(hrs): 0.00
         Curve Number: 79.14               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A5600B                 Node: 13A5600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.440                    Time Shift(hrs): 0.00
         Curve Number: 87.94               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A5800B                 Node: 13A5800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.780                     Time Shift(hrs): 0.00
         Curve Number: 91.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A6000B                 Node: 13A6000P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 96.640                    Time Shift(hrs): 0.00
         Curve Number: 85.25               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A6200B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 43.00
             Area(ac): 160.110                   Time Shift(hrs): 0.00
         Curve Number: 92.44               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A6201B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.140                     Time Shift(hrs): 0.00
        Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0200B                 Node: 13B0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 63.00
            Area(ac): 11.350                    Time Shift(hrs): 0.00
        Curve Number: 63.39              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0400B                 Node: 13B0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.210                    Time Shift(hrs): 0.00
        Curve Number: 39.42              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0500B                 Node: 13B0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.890                     Time Shift(hrs): 0.00
        Curve Number: 46.74              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0710B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 39.600                    Time Shift(hrs): 0.00
        Curve Number: 83.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0740B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                     Time Shift(hrs): 0.00
        Curve Number: 73.59              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C0100B                 Node: 13C0100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 12.900                    Time Shift(hrs): 0.00
        Curve Number: 79.91               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13C0500B                 Node: 13C0500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.050                     Time Shift(hrs): 0.00
        Curve Number: 85.04               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13C0600B                 Node: 13C0600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 10.760                    Time Shift(hrs): 0.00
        Curve Number: 93.51               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13C0800B                 Node: 13C0800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 1.120                     Time Shift(hrs): 0.00
        Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13C1000B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.850                     Time Shift(hrs): 0.00
        Curve Number: 93.10               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13C1001B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.180                     Time Shift(hrs): 0.00
        Curve Number: 84.03               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13C1100B                 Node: 13C1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 7.320                     Time Shift(hrs): 0.00
        Curve Number: 93.19               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13C1120B                Node: 13C1100N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
             Area(ac): 25.520                   Time Shift(hrs): 0.00
        Curve Number: 86.05              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1200B                Node: 13C1200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.810                    Time Shift(hrs): 0.00
        Curve Number: 93.10              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1201B                Node: 13C1200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.800                    Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1300B                Node: 13C1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.500                    Time Shift(hrs): 0.00
        Curve Number: 94.14              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1301B                Node: 13C1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.550                    Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1350B                Node: 13C1350N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 190.00
             Area(ac): 155.510                  Time Shift(hrs): 0.00
        Curve Number: 77.01              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1370B                Node: 13C1350N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 20.750                   Time Shift(hrs): 4.67
          Curve Number: 63.02               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1400B                 Node: 13C1400N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.700                    Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1700B                 Node: 13C1700N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.440                    Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1800B                 Node: 13C1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 10.250                   Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1801B                 Node: 13C1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 49.00
             Area(ac): 24.790                   Time Shift(hrs): 0.00
          Curve Number: 72.88               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1802B                 Node: 13C1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 77.00
             Area(ac): 56.830                   Time Shift(hrs): 0.00
          Curve Number: 61.06               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1850B                 Node: 13C1850N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 96.00
             Area(ac): 36.200                   Time Shift(hrs): 0.00
          Curve Number: 89.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13C1851B                Node: 13C1850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.470                      Time Shift(hrs): 0.00
         Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C1900B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.770                      Time Shift(hrs): 0.00
         Curve Number: 77.74               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C1901B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 102.00
            Area(ac): 29.990                     Time Shift(hrs): 1.45
         Curve Number: 61.77               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2200B                Node: 13C2200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
            Area(ac): 26.820                     Time Shift(hrs): 0.00
         Curve Number: 73.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2220B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 12.640                     Time Shift(hrs): 0.00
         Curve Number: 64.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2240B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.330                     Time Shift(hrs): 0.00
         Curve Number: 57.04               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2260B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 18.530                   Time Shift(hrs): 0.00
         Curve Number: 66.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2280B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 30.00
            Area(ac): 105.650                  Time Shift(hrs): 0.00
         Curve Number: 69.14             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2400B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.670                   Time Shift(hrs): 0.00
         Curve Number: 89.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2401B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.320                   Time Shift(hrs): 0.00
         Curve Number: 65.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2402B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 30.120                   Time Shift(hrs): 0.00
         Curve Number: 75.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13D0170B                Node: 13D0170P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 11.270                   Time Shift(hrs): 0.00
         Curve Number: 85.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13D0310B                Node: 13D0310N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.090                    Time Shift(hrs): 0.00
         Curve Number: 84.22             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13D0330B                Node: 13D0330N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 36.380                    Time Shift(hrs): 0.00
         Curve Number: 83.88             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0610B                Node: 13D0500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 19.050                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0630B                Node: 13D0700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.720                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0750B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.860                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0751B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
            Area(ac): 24.450                    Time Shift(hrs): 0.00
         Curve Number: 85.34             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0801B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 46.00
            Area(ac): 34.950                    Time Shift(hrs): 0.00
         Curve Number: 81.71             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0802B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
               Area(ac): 14.050                  Time Shift(hrs): 0.00
           Curve Number: 83.61               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0400B                 Node: 13F0400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
               Area(ac): 76.220                  Time Shift(hrs): 0.00
           Curve Number: 91.20               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0401B                 Node: 13F0400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 134.00
               Area(ac): 16.420                  Time Shift(hrs): 0.00
           Curve Number: 86.85               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0410B                 Node: 13F0410P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.660                   Time Shift(hrs): 0.00
           Curve Number: 78.03               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0420B                 Node: 13F0420P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.050                   Time Shift(hrs): 0.00
           Curve Number: 80.34               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0430B                 Node: 13F0430P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
               Area(ac): 31.040                  Time Shift(hrs): 0.00
           Curve Number: 91.59               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0440B                 Node: 13F0440P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.760                   Time Shift(hrs): 0.00
           Curve Number: 99.51               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13F0450B                Node: 13F0450P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 75.00
            Area(ac): 13.600                  Time Shift(hrs): 0.00
        Curve Number: 84.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F0750B                Node: 13F0750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.430                  Time Shift(hrs): 0.00
        Curve Number: 65.24             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F0760B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.520                  Time Shift(hrs): 0.00
        Curve Number: 62.08             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F0770B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 61.00
            Area(ac): 14.420                 Time Shift(hrs): 0.00
        Curve Number: 59.59             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1000B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 36.680                 Time Shift(hrs): 0.00
        Curve Number: 66.35             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1001B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 13.930                 Time Shift(hrs): 0.00
        Curve Number: 66.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1110B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
```

```
             Area(ac): 4.440                  Time Shift(hrs): 0.00
         Curve Number: 46.27             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1120B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.590                  Time Shift(hrs): 0.00
         Curve Number: 53.93             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1130B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 46.00
             Area(ac): 14.940                 Time Shift(hrs): 0.00
         Curve Number: 55.57             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1150B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 13.370                 Time Shift(hrs): 0.00
         Curve Number: 64.79             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1154B                Node: 13F1154P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
             Area(ac): 12.260                 Time Shift(hrs): 0.00
         Curve Number: 48.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1158B                Node: 13F1158P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
             Area(ac): 7.700                  Time Shift(hrs): 0.00
         Curve Number: 51.69             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1170B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
             Area(ac): 11.600                 Time Shift(hrs): 0.00
         Curve Number: 59.52             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13F1300B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.160                     Time Shift(hrs): 0.00
        Curve Number: 85.73              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1301B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.380                     Time Shift(hrs): 0.00
        Curve Number: 62.89              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1320B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.830                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1324B                Node: CEMETERY              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 58.00
            Area(ac): 26.660                    Time Shift(hrs): 0.00
        Curve Number: 72.25              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1340B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
            Area(ac): 9.400                     Time Shift(hrs): 0.00
        Curve Number: 81.37              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1360B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.170                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1374B                Node: 13F1374P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 23.00
            Area(ac): 10.870                    Time Shift(hrs): 0.00
```

```
          Curve Number: 73.73             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1378B                Node: 13F1378P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 18.970                  Time Shift(hrs): 0.00
          Curve Number: 58.14             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1380B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.480                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1400B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 8.810                   Time Shift(hrs): 0.00
          Curve Number: 83.97             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1404B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.270                   Time Shift(hrs): 0.00
          Curve Number: 84.71             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1420B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.140                   Time Shift(hrs): 0.00
          Curve Number: 83.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1440B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.660                   Time Shift(hrs): 0.00
          Curve Number: 87.01             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1500B                Node: DUCKPOND              Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.080                    Time Shift(hrs): 0.00
         Curve Number: 67.70               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0400B                 Node: 13G0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 88.05               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0500B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.290                     Time Shift(hrs): 0.00
         Curve Number: 87.66               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0501B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 52.00
             Area(ac): 16.240                    Time Shift(hrs): 0.00
         Curve Number: 87.15               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0600B                 Node: 13G0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.630                     Time Shift(hrs): 0.00
         Curve Number: 85.71               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1200B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 37.360                    Time Shift(hrs): 0.00
         Curve Number: 93.38               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1201B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 6.490                     Time Shift(hrs): 0.00
         Curve Number: 69.30               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G1202B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 24.210                    Time Shift(hrs): 0.00
        Curve Number: 84.26              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2200B                 Node: 13G2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 5.730                     Time Shift(hrs): 0.00
        Curve Number: 87.30              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2201B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 19.640                    Time Shift(hrs): 0.00
        Curve Number: 73.01              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0100B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 46.960                    Time Shift(hrs): 0.00
        Curve Number: 72.16              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0101B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 23.00
            Area(ac): 13.960                    Time Shift(hrs): 0.00
        Curve Number: 81.82              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0150B                 Node: 13H0150P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.270                    Time Shift(hrs): 0.00
        Curve Number: 79.17              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0200B                 Node: IRENE-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 32.110                    Time Shift(hrs): 0.00
        Curve Number: 76.25                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0220B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.270                     Time Shift(hrs): 0.00
        Curve Number: 93.05                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0240B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 6.950                     Time Shift(hrs): 0.00
        Curve Number: 92.98                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0300B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 22.240                    Time Shift(hrs): 0.00
        Curve Number: 90.93                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0320B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.240                     Time Shift(hrs): 0.00
        Curve Number: 93.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0340B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.560                     Time Shift(hrs): 0.00
        Curve Number: 94.82                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0350B                 Node: 13H0350P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 11.040                    Time Shift(hrs): 0.00
        Curve Number: 77.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13I0300B                Node: 13I0300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 39.00
             Area(ac): 14.840                   Time Shift(hrs): 0.00
         Curve Number: 92.29              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13I0600B                Node: FAIRY                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 103.930                  Time Shift(hrs): 0.00
         Curve Number: 86.38              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13I0610B                Node: 13I0610P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.250                    Time Shift(hrs): 0.00
         Curve Number: 73.84              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13I0620B                Node: 13I0620P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 25.230                   Time Shift(hrs): 0.00
         Curve Number: 60.25              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13I0630B                Node: FAIRY                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 72.00
             Area(ac): 54.770                   Time Shift(hrs): 0.00
         Curve Number: 87.52              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13I0631B                Node: FAIRY                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 23.580                   Time Shift(hrs): 0.74
         Curve Number: 80.73              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13I0640B                Node: LWILDMER              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 34.00
               Area(ac): 35.600                   Time Shift(hrs): 0.00
            Curve Number: 64.27               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I0660B                 Node: FERN                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
               Area(ac): 19.820                   Time Shift(hrs): 0.00
            Curve Number: 83.04               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I0900B                 Node: 13I0900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
               Area(ac): 10.360                   Time Shift(hrs): 0.00
            Curve Number: 64.99               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1000B                 Node: 13I1000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
               Area(ac): 13.260                   Time Shift(hrs): 0.00
            Curve Number: 76.31               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1200B                 Node: WILDMERE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 38.00
               Area(ac): 79.320                   Time Shift(hrs): 0.00
            Curve Number: 81.26               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1201B                 Node: WILDMERE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 48.00
               Area(ac): 54.370                   Time Shift(hrs): 0.00
            Curve Number: 82.79               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1220B                 Node: JANE                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 43.00
               Area(ac): 17.620                   Time Shift(hrs): 0.00
            Curve Number: 81.15               Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13I1300B                Node: EVERGRN                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 8.170                      Time Shift(hrs): 0.00
         Curve Number: 76.19               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1500B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 6.520                      Time Shift(hrs): 0.00
         Curve Number: 88.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1501B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 91.470                     Time Shift(hrs): 0.00
         Curve Number: 84.65               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1502B                Node: 13I1502N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.480                      Time Shift(hrs): 0.00
         Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1504B                Node: 13I1504N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.000                      Time Shift(hrs): 0.00
         Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1510B                Node: 13I1510N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 22.610                     Time Shift(hrs): 0.00
         Curve Number: 80.23               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1512B                Node: 13I1512N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 61.00
             Area(ac): 3.090                   Time Shift(hrs): 0.00
          Curve Number: 80.23             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1514B                Node: 13I1514P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 40.00
             Area(ac): 72.830                  Time Shift(hrs): 0.00
          Curve Number: 87.62             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1540B                Node: GEM                   Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 15.730                  Time Shift(hrs): 0.00
          Curve Number: 77.99             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1560B                Node: ORANGE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 21.090                  Time Shift(hrs): 0.00
          Curve Number: 84.34             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0300B                Node: 13J0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 4.480                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0320B                Node: 13J0320N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 0.730                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0340B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 3.150                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13J0341B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
            Area(ac): 12.670                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0401B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 25.920                    Time Shift(hrs): 0.00
         Curve Number: 67.64             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0402B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.720                     Time Shift(hrs): 0.75
         Curve Number: 74.60             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0600B                Node: 13J0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.580                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0640B                Node: 13J0640N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.310                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0800B                Node: 13J0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.150                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1000B                Node: 13J1000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 70.00
               Area(ac): 17.550                  Time Shift(hrs): 0.00
           Curve Number: 71.70              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1300B                 Node: 13J1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
               Area(ac): 6.110                   Time Shift(hrs): 0.00
           Curve Number: 82.79              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1800B                 Node: 13J1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 19.650                  Time Shift(hrs): 0.00
           Curve Number: 79.44              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1820B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.920                   Time Shift(hrs): 0.00
           Curve Number: 78.75              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1821B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
               Area(ac): 5.830                   Time Shift(hrs): 0.00
           Curve Number: 86.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1822B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 57.00
               Area(ac): 19.330                  Time Shift(hrs): 0.00
           Curve Number: 70.91              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1900B                 Node: 13J1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.420                   Time Shift(hrs): 0.00
           Curve Number: 92.63              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13J2200B                Node: 13J2200P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 80.580                  Time Shift(hrs): 0.00
        Curve Number: 86.80             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2220B                Node: 13J2220P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 64.00
            Area(ac): 41.260                  Time Shift(hrs): 0.00
        Curve Number: 83.76             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2221B                Node: 13J2221P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.360                  Time Shift(hrs): 0.00
        Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2222B                Node: 13J2222P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.580                  Time Shift(hrs): 0.00
        Curve Number: 91.44             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2231B                Node: 13J2231N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.640                  Time Shift(hrs): 0.00
        Curve Number: 92.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2232B                Node: 13J2232N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 51.00
            Area(ac): 26.810                  Time Shift(hrs): 0.00
        Curve Number: 91.05             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2233B                Node: 13J2233P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 83.00
```

```
             Area(ac): 22.140                 Time Shift(hrs): 0.00
         Curve Number: 88.62              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J2234B                 Node: 13J2234P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
             Area(ac): 13.320                 Time Shift(hrs): 0.00
         Curve Number: 81.08              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0250B                 Node: 13K0250N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.280                  Time Shift(hrs): 0.00
         Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0400B                 Node: 13K0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.310                  Time Shift(hrs): 0.00
         Curve Number: 94.37              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0550B                 Node: 13K0550N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.360                  Time Shift(hrs): 0.00
         Curve Number: 93.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0751B                 Node: 13K0750N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 23.820                 Time Shift(hrs): 0.00
         Curve Number: 85.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0752B                 Node: 13K0750N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.070                  Time Shift(hrs): 0.00
         Curve Number: 92.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13K0900B                Node: 13K0900P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.360                     Time Shift(hrs): 0.00
        Curve Number: 90.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K1150B                Node: 13K1150P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.440                     Time Shift(hrs): 0.00
        Curve Number: 84.20              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K1300B                Node: 13K1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 14.370                    Time Shift(hrs): 0.00
        Curve Number: 82.52              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K1500B                Node: 13K1500N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.230                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K1600B                Node: 13K1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.950                     Time Shift(hrs): 0.00
        Curve Number: 77.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K1650B                Node: PLAZA                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.030                     Time Shift(hrs): 0.00
        Curve Number: 89.99              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K1900B                Node: GRIFFIN               Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 53.200                    Time Shift(hrs): 0.00
```

```
          Curve Number: 68.03             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2200B                Node: TROUT                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 51.650                  Time Shift(hrs): 0.00
          Curve Number: 84.45             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2240B                Node: 13K2240P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.010                  Time Shift(hrs): 0.00
          Curve Number: 93.46             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2280B                Node: LOTUS                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 29.860                  Time Shift(hrs): 0.00
          Curve Number: 59.52             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3050B                Node: 13K3050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 19.030                  Time Shift(hrs): 0.00
          Curve Number: 83.96             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3200B                Node: 13K3200P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 44.00
            Area(ac): 23.680                  Time Shift(hrs): 0.00
          Curve Number: 94.50             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4050B                Node: 13K4050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 25.290                  Time Shift(hrs): 0.00
          Curve Number: 76.28             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4200B                Node: 13K4200P               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 21.530                    Time Shift(hrs): 0.00
         Curve Number: 70.44               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13K4400B                  Node: 13K4400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.610                    Time Shift(hrs): 0.00
         Curve Number: 92.54               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0020B                  Node: 13L0020N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.330                     Time Shift(hrs): 0.00
         Curve Number: 84.26               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0040B                  Node: 13L0040P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
             Area(ac): 48.050                    Time Shift(hrs): 0.00
         Curve Number: 89.56               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0060B                  Node: KATHRYN                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.530                     Time Shift(hrs): 0.00
         Curve Number: 91.45               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0080B                  Node: KATHRYN                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.130                    Time Shift(hrs): 0.00
         Curve Number: 94.99               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0200B                  Node: 13L0200N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
             Area(ac): 29.370                    Time Shift(hrs): 0.00
         Curve Number: 84.12               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0400B                 Node: 13L0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.180                      Time Shift(hrs): 0.00
         Curve Number: 89.35               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0800B                 Node: TRIPLT-N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 44.00
            Area(ac): 85.140                     Time Shift(hrs): 0.00
         Curve Number: 85.29               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0820B                 Node: 13L0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 24.680                     Time Shift(hrs): 0.00
         Curve Number: 87.90               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1000B                 Node: TRIPLT-M               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 109.070                    Time Shift(hrs): 0.00
         Curve Number: 92.64               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1001B                 Node: TRIPLT-S               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 76.00
            Area(ac): 16.780                     Time Shift(hrs): 0.00
         Curve Number: 82.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1020B                 Node: 13L1020P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
            Area(ac): 26.560                     Time Shift(hrs): 0.00
         Curve Number: 88.23               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1200B                 Node: TRIPLT-S               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 72.220                   Time Shift(hrs): 0.00
           Curve Number: 90.69               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1201B                 Node: TRIPLT-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 68.00
              Area(ac): 10.960                   Time Shift(hrs): 0.00
           Curve Number: 70.78               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1202B                 Node: 13L1202N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
              Area(ac): 13.600                   Time Shift(hrs): 0.00
           Curve Number: 74.84               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1203B                 Node: 13L1203N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
              Area(ac): 1.400                    Time Shift(hrs): 0.00
           Curve Number: 86.81               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1700B                 Node: QUEENS                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 44.200                   Time Shift(hrs): 0.00
           Curve Number: 88.99               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L1825B                 Node: 13L1825N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 0.400                    Time Shift(hrs): 0.00
           Curve Number: 89.00               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L1829B                 Node: 13L1885P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
              Area(ac): 19.680                   Time Shift(hrs): 0.00
           Curve Number: 94.04               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1875B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 43.100                    Time Shift(hrs): 0.00
        Curve Number: 95.33              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1876B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 66.800                    Time Shift(hrs): 0.00
        Curve Number: 88.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1877B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 31.880                    Time Shift(hrs): 0.00
        Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1878B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 17.930                    Time Shift(hrs): 0.00
        Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1885B                 Node: 13L1885P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 20.00
            Area(ac): 26.800                    Time Shift(hrs): 0.00
        Curve Number: 89.15              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1890B                 Node: 13L1890P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 6.700                     Time Shift(hrs): 0.00
        Curve Number: 89.23              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1895B                 Node: 13L1895P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 7.070                     Time Shift(hrs): 0.00
        Curve Number: 91.66                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13L1950B                 Node: 13L1950P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 53.300                    Time Shift(hrs): 0.00
        Curve Number: 95.35                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13L1951B                 Node: 13L1951P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.700                     Time Shift(hrs): 0.00
        Curve Number: 88.97                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13L1952B                 Node: 13L1950P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 50.00
             Area(ac): 59.750                    Time Shift(hrs): 0.00
        Curve Number: 88.30                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13L1975B                 Node: 13L1975P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 37.00
             Area(ac): 15.870                    Time Shift(hrs): 0.00
        Curve Number: 92.16                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13L2050B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 15.860                    Time Shift(hrs): 0.00
        Curve Number: 94.15                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13L2051B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.390                    Time Shift(hrs): 0.00
        Curve Number: 87.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13L2052B                Node: 13L2050P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
             Area(ac): 9.250                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2053B                Node: 13L2050P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 29.230                   Time Shift(hrs): 0.00
         Curve Number: 87.17              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2151B                Node: 13L2300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.500                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2152B                Node: 13L2150N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 22.00
             Area(ac): 19.480                   Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2300B                Node: 13L2300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.100                    Time Shift(hrs): 0.00
         Curve Number: 89.20              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2400B                Node: 13L2400N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.270                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2500B                Node: OXFORD                Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 18.730                  Time Shift(hrs): 0.00
            Curve Number: 92.11              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2520B                 Node: 13L2520P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
               Area(ac): 17.240                  Time Shift(hrs): 0.00
            Curve Number: 77.12              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2540B                 Node: 13L2540P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.190                   Time Shift(hrs): 0.00
            Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2560B                 Node: 13L2560P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
               Area(ac): 14.370                  Time Shift(hrs): 0.00
            Curve Number: 89.17              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2700B                 Node: 13L2700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 18.00
               Area(ac): 5.320                   Time Shift(hrs): 0.00
            Curve Number: 90.43              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------
         Name: 13L2720B                 Node: 13L2720P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.270                   Time Shift(hrs): 0.00
            Curve Number: 87.11              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2750B                 Node: 13L2750P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 29.110                  Time Shift(hrs): 0.00
            Curve Number: 92.83              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00
```

Revision

```
-----------------------------------------------------------------------------------------------
         Name: 13L3000B                Node: 13L3000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.630                      Time Shift(hrs): 0.00
         Curve Number: 92.89               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L3140B                Node: 13L3140P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 38.090                     Time Shift(hrs): 0.00
         Curve Number: 88.83               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M0400B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 89.00
            Area(ac): 30.300                     Time Shift(hrs): 0.00
         Curve Number: 89.27               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M0500B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                      Time Shift(hrs): 0.00
         Curve Number: 86.69               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M0600B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 25.960                     Time Shift(hrs): 0.00
         Curve Number: 90.82               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M0601B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
            Area(ac): 7.220                      Time Shift(hrs): 0.00
         Curve Number: 85.60               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M0850B                Node: 13M0850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.350                    Time Shift(hrs): 0.00
         Curve Number: 87.59             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M0950B                Node: 13M0950N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 5.500                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M0990B                Node: 13M0990P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 6.530                    Time Shift(hrs): 0.00
         Curve Number: 91.76             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1200B                Node: 13M1200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.490                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1400B                Node: 13M1400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.230                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1500B                Node: 13M1500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.210                    Time Shift(hrs): 0.00
         Curve Number: 91.66             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1520B                Node: 13M1520P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.890                    Time Shift(hrs): 0.00
         Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M1800B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 43.240                   Time Shift(hrs): 0.00
          Curve Number: 93.61              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M1925B                 Node: 13M1925P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 10.930                   Time Shift(hrs): 0.00
          Curve Number: 95.16              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2110B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.080                    Time Shift(hrs): 0.00
          Curve Number: 85.12              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2130B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 93.00
             Area(ac): 45.190                   Time Shift(hrs): 0.00
          Curve Number: 80.16              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2150B                 Node: ELLEN                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 14.690                   Time Shift(hrs): 0.00
          Curve Number: 80.81              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2210B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 1.720                    Time Shift(hrs): 0.00
          Curve Number: 85.23              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2230B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.800                   Time Shift(hrs): 0.00
           Curve Number: 86.67              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2250B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.680                   Time Shift(hrs): 0.00
           Curve Number: 87.70              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2254B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 34.00
               Area(ac): 15.010                  Time Shift(hrs): 0.00
           Curve Number: 93.17              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2270B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.020                   Time Shift(hrs): 0.00
           Curve Number: 88.03              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2290B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.660                   Time Shift(hrs): 0.00
           Curve Number: 87.34              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2330B                 Node: 13M2330P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.800                   Time Shift(hrs): 0.00
           Curve Number: 92.06              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2331B                 Node: 13M2331N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.190                   Time Shift(hrs): 0.00
           Curve Number: 86.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M2332B                Node: 13M2332P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 19.00
            Area(ac): 6.510                     Time Shift(hrs): 0.00
         Curve Number: 90.96             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2334B                Node: 13M2334N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.480                     Time Shift(hrs): 0.00
         Curve Number: 93.02             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2335B                Node: 13M2335N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.800                     Time Shift(hrs): 0.00
         Curve Number: 87.95             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2340B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 14.270                    Time Shift(hrs): 0.00
         Curve Number: 92.08             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2341B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 11.050                    Time Shift(hrs): 0.00
         Curve Number: 88.33             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13M2400B                Node: QUAIL                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.160                    Time Shift(hrs): 0.00
         Curve Number: 89.93             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0050B                Node: 13N0050P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 13.330                  Time Shift(hrs): 0.00
          Curve Number: 80.05              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13N0100B                 Node: 13N0100P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 15.620                  Time Shift(hrs): 0.00
          Curve Number: 82.15              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13N0200B                 Node: 13N0200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.540                   Time Shift(hrs): 0.00
          Curve Number: 95.12              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13N0200B2                Node: LOST                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
               Area(ac): 37.100                  Time Shift(hrs): 0.00
          Curve Number: 91.87              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Renamed from 13N0200B


-----------------------------------------------------------------------------------------------
         Name: 13N0201B                 Node: 13N0900P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 69.00
               Area(ac): 9.370                   Time Shift(hrs): 0.00
          Curve Number: 64.25              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0301B                 Node: 13N0301P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
               Area(ac): 14.380                  Time Shift(hrs): 0.00
          Curve Number: 83.98              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0302B                 Node: 13N0050P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
               Area(ac): 23.300                  Time Shift(hrs): 0.00
          Curve Number: 87.63              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13N0600B                 Node: 13N0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 30.830                     Time Shift(hrs): 0.00
          Curve Number: 83.92              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13N0650B                 Node: CRYSTBWL               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
            Area(ac): 42.380                     Time Shift(hrs): 0.00
          Curve Number: 87.64              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13N0700B                 Node: 13N0700P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.620                      Time Shift(hrs): 0.00
          Curve Number: 96.53              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13N0700B2                Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 103.690                    Time Shift(hrs): 0.00
          Curve Number: 77.69              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Renamed from 13N0700B


--------------------------------------------------------------------------------------------------
         Name: 13N0701B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 56.00
            Area(ac): 31.920                     Time Shift(hrs): 0.00
          Curve Number: 80.36              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13N0710B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.040                     Time Shift(hrs): 0.00
          Curve Number: 87.86              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13N0720B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 7.910                     Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13N0730B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 18.840                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13N0740B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 55.00
            Area(ac): 12.400                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13N0750B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.460                     Time Shift(hrs): 0.00
         Curve Number: 89.10              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13N0751B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 45.470                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13N0752B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.010                     Time Shift(hrs): 0.00
         Curve Number: 86.68              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13N0800B                 Node: 13N0800P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.870                     Time Shift(hrs): 0.00
         Curve Number: 88.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin
```

```
--------------------------------------------------------------------------------------------------
         Name: 13N0850B                Node: 13N0750P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.540                      Time Shift(hrs): 0.00
          Curve Number: 93.97              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13N0900B                Node: 13N0900P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.370                      Time Shift(hrs): 0.00
          Curve Number: 85.21              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13P0200B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.730                     Time Shift(hrs): 0.00
          Curve Number: 84.24              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P0400B                Node: 13P0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.110                      Time Shift(hrs): 0.00
          Curve Number: 83.44              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P0500B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.800                     Time Shift(hrs): 0.00
          Curve Number: 80.92              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P0501B                Node: 13P0501N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.530                      Time Shift(hrs): 0.00
          Curve Number: 88.37              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P0502B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 4.580                    Time Shift(hrs): 0.00
          Curve Number: 87.84              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P0800B                 Node: 13P0800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 0.760                    Time Shift(hrs): 0.00
          Curve Number: 87.02              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------------
         Name: 13P0900B                 Node: 13P0900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 2.340                    Time Shift(hrs): 0.00
          Curve Number: 88.10              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------------
         Name: 13P0950B                 Node: 13P0900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 48.00
             Area(ac): 9.780                    Time Shift(hrs): 0.00
          Curve Number: 87.86              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Changed Name from 13P0900B

-------------------------------------------------------------------------------------------------
         Name: 13P1000B                 Node: 13P1000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 28.00
             Area(ac): 11.450                   Time Shift(hrs): 0.00
          Curve Number: 88.25              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P1250B                 Node: 13P1250N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 4.190                    Time Shift(hrs): 0.00
          Curve Number: 88.79              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P1300B                 Node: 13P1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 1.520                    Time Shift(hrs): 0.00
          Curve Number: 87.24              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P1650B                Node: 13P1650N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.150                     Time Shift(hrs): 0.00
         Curve Number: 89.85             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1800B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
            Area(ac): 6.640                     Time Shift(hrs): 0.00
         Curve Number: 92.66             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1801B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.330                     Time Shift(hrs): 0.00
         Curve Number: 91.76             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1810B                Node: 13P1810P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.050                    Time Shift(hrs): 0.00
         Curve Number: 89.91             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin / merge with smaller basins

-----------------------------------------------------------------------------------------------
         Name: 13P1814B                Node: 13P1814N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
            Area(ac): 5.080                     Time Shift(hrs): 0.00
         Curve Number: 95.15             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1826B                Node: PINEYRDG              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 34.00
            Area(ac): 18.470                    Time Shift(hrs): 0.00
         Curve Number: 91.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1900B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
               Area(ac): 25.900                  Time Shift(hrs): 0.00
           Curve Number: 96.62               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1901B                 Node: GRASSY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 2.910                   Time Shift(hrs): 0.00
           Curve Number: 87.54               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1902B                 Node: GRASSY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.840                   Time Shift(hrs): 0.00
           Curve Number: 95.10               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1920B                 Node: GRASSY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.050                   Time Shift(hrs): 0.00
           Curve Number: 95.00               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2010B                 Node: GRASSY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.910                   Time Shift(hrs): 0.00
           Curve Number: 84.50               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2014B                 Node: PEARL                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.680                   Time Shift(hrs): 0.00
           Curve Number: 84.49               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2050B                 Node: 13P2050N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
               Area(ac): 6.570                   Time Shift(hrs): 0.00
           Curve Number: 93.98               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P2250B                Node: PEARL                   Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 25.00
            Area(ac): 49.850                    Time Shift(hrs): 0.00
         Curve Number: 93.50             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2300B                Node: 13P2300P                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.980                     Time Shift(hrs): 0.00
         Curve Number: 91.13             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13P2400B                Node: 13P2400P                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 6.340                     Time Shift(hrs): 0.00
         Curve Number: 90.28             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New basin

--------------------------------------------------------------------------------------------------
         Name: 13P2400BZ               Node: 13P2400P                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.370                     Time Shift(hrs): 0.00
         Curve Number: 93.36             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Krystals


--------------------------------------------------------------------------------------------------
         Name: 13P2600B                Node: PRAIRIE                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 344.800                   Time Shift(hrs): 0.00
         Curve Number: 92.32             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2640B                Node: 13P2640N                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.490                     Time Shift(hrs): 0.00
         Curve Number: 90.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2645B                Node: 13P2643N                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.140                   Time Shift(hrs): 0.00
           Curve Number: 91.89              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2646B                 Node: 13P2644N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 10.110                  Time Shift(hrs): 0.00
           Curve Number: 93.16              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2648B                 Node: LPRAIRIE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 26.830                  Time Shift(hrs): 0.00
           Curve Number: 86.12              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2660B                 Node: 13P2660P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 26.240                  Time Shift(hrs): 0.00
           Curve Number: 82.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2661B                 Node: 13P2661P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 29.890                  Time Shift(hrs): 0.00
           Curve Number: 63.80              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2800B                 Node: MALTBIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
               Area(ac): 151.510                 Time Shift(hrs): 0.00
           Curve Number: 88.80              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2900B                 Node: PRAIRIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
               Area(ac): 24.320                  Time Shift(hrs): 0.00
           Curve Number: 87.91              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13P3400B                Node: 13P3400P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
            Area(ac): 15.470                  Time Shift(hrs): 0.00
        Curve Number: 94.92             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q0500B                Node: 13Q0500N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.470                  Time Shift(hrs): 0.00
        Curve Number: 88.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q0820B                Node: 13Q0820P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 39.920                  Time Shift(hrs): 0.00
        Curve Number: 88.61             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q0840B                Node: 13Q0840P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.110                  Time Shift(hrs): 0.00
        Curve Number: 97.15             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q0860B                Node: 13Q0860P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 12.660                  Time Shift(hrs): 0.00
        Curve Number: 59.10             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q0861B                Node: 13Q0860P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.060                  Time Shift(hrs): 0.00
        Curve Number: 75.88             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q0870B                Node: 13Q0870P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                   Peaking Factor: 323.0
         Rainfall File: Flmod              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
```

```
              Area(ac): 10.130                  Time Shift(hrs): 0.00
           Curve Number: 91.75              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13Q0875B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
              Area(ac): 5.110                  Time Shift(hrs): 0.00
           Curve Number: 88.23              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13Q0880B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
              Area(ac): 7.830                  Time Shift(hrs): 0.00
           Curve Number: 85.81              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13Q0885B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
              Area(ac): 9.020                  Time Shift(hrs): 0.00
           Curve Number: 86.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13Q0895B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
              Area(ac): 2.780                  Time Shift(hrs): 0.00
           Curve Number: 84.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin


-----------------------------------------------------------------------------------------------
         Name: 13Q0924B                 Node: 13Q0924P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
              Area(ac): 5.050                  Time Shift(hrs): 0.00
           Curve Number: 88.68              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0940B                 Node: 13Q0940P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 4.950                  Time Shift(hrs): 0.00
           Curve Number: 89.16              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13Q1100B                 Node: 13Q0820P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.210                     Time Shift(hrs): 0.00
        Curve Number: 90.49               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q1300B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.810                     Time Shift(hrs): 0.00
        Curve Number: 90.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q1600B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.310                     Time Shift(hrs): 0.00
        Curve Number: 92.77               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q1900B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 59.00
            Area(ac): 27.530                    Time Shift(hrs): 0.00
        Curve Number: 85.98               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q2290B                 Node: 13Q2290P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
            Area(ac): 20.710                    Time Shift(hrs): 0.00
        Curve Number: 69.77               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q2300B                 Node: 13Q2300P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.550                    Time Shift(hrs): 0.00
        Curve Number: 94.32               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: WTRSPRGS                 Node: 13A2900N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 10.00
```

```
              Area(ac): 18.580                  Time Shift(hrs): 0.00
          Curve Number: 82.14              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


==========================================================================================
==== Nodes ===============================================================================
==========================================================================================

      Name: 12-01-02            Base Flow(cfs): 0.000          Init Stage(ft): 9.390
     Group: 12                                                 Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00           9.390
         999.00           9.390

------------------------------------------------------------------------------------------
      Name: 13A0100N            Base Flow(cfs): 0.300          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         11.050          0.8140
         13.950          1.1630

------------------------------------------------------------------------------------------
      Name: 13A0300N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          4.650          0.0000
          6.150          0.0010
          6.450          0.0200
          9.150          0.0390
         10.350          0.0800
         10.360          0.3430
         14.050          0.4680
         15.450          0.6060

------------------------------------------------------------------------------------------
      Name: 13A0500N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 22.780
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          6.150          0.0000
          6.450          0.0190
          9.150          0.0360
         11.550          0.1120
         14.050          0.1880
         15.450          0.3140

------------------------------------------------------------------------------------------
      Name: 13A0600N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 9.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

------------------------------------------------------------------------------------------
      Name: 13A0725N            Base Flow(cfs): 0.000          Init Stage(ft): 13.880
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A0735P Base Flow(cfs): 0.000 Init Stage(ft): 18.970
Group: 13A Warn Stage(ft): 24.950
Type: Stage/Area

Stage(ft)	Area(ac)
14.450	0.5900
18.950	0.8500
24.950	1.4900
26.950	1.4900

Name: 13A0800N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 9.650
Type: Stage/Area

Stage(ft)	Area(ac)
10.750	0.2440
13.950	0.3900
18.950	0.3900

Name: 13A0820P Base Flow(cfs): 0.000 Init Stage(ft): 21.950
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
20.650	0.5000
20.950	1.0000
23.950	2.0000
24.950	2.1000

Name: 13A0900N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 11.650
Type: Stage/Area

Stage(ft)	Area(ac)
12.150	0.0000
13.950	0.1980
18.950	0.1980

Name: 13A0950N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1000N Base Flow(cfs): 0.000 Init Stage(ft): 9.810
Group: 13A Warn Stage(ft): 12.550
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

```
      Name: 13A1100N            Base Flow(cfs): 0.000          Init Stage(ft): 11.310
     Group: 13A                                                Warn Stage(ft): 18.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A1300N            Base Flow(cfs): 0.000          Init Stage(ft): 11.330
     Group: 13A                                                Warn Stage(ft): 14.250
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A1400N            Base Flow(cfs): 0.000          Init Stage(ft): 13.000
     Group: 13A                                                Warn Stage(ft): 22.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A1600N            Base Flow(cfs): 0.000          Init Stage(ft): 14.280
     Group: 13A                                                Warn Stage(ft): 20.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A1700N            Base Flow(cfs): 0.000          Init Stage(ft): 16.470
     Group: 13A                                                Warn Stage(ft): 19.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A1800N            Base Flow(cfs): 0.000          Init Stage(ft): 17.310
     Group: 13A                                                Warn Stage(ft): 21.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A1900N            Base Flow(cfs): 0.000          Init Stage(ft): 19.060
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2100N            Base Flow(cfs): 0.000          Init Stage(ft): 20.430
```

```
     Group: 13A                                                Warn Stage(ft): 25.290
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.290          0.0000
         25.950          0.3160

-------------------------------------------------------------------------------------
      Name: 13A2200N            Base Flow(cfs): 0.000          Init Stage(ft): 21.200
     Group: 13A                                                Warn Stage(ft): 26.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2220P            Base Flow(cfs): 0.000          Init Stage(ft): 30.330
     Group: 13A                                                Warn Stage(ft): 32.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         23.950          1.2700
         32.550          2.8500
         33.950          2.8500

-------------------------------------------------------------------------------------
      Name: 13A2300N            Base Flow(cfs): 0.000          Init Stage(ft): 22.590
     Group: 13A                                                Warn Stage(ft): 28.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2350N            Base Flow(cfs): 0.000          Init Stage(ft): 22.630
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2400N            Base Flow(cfs): 0.000          Init Stage(ft): 24.040
     Group: 13A                                                Warn Stage(ft): 30.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         30.650          0.0000
         30.950          0.3000
         31.950          0.5000
         32.950          0.6500

-------------------------------------------------------------------------------------
      Name: 13A2600N            Base Flow(cfs): 0.000          Init Stage(ft): 24.190
     Group: 13A                                                Warn Stage(ft): 30.250
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         30.250          0.5000
         30.950          1.1000
         31.950          1.4000
```

Name: 13A2750N Base Flow(cfs): 0.000 Init Stage(ft): 26.080
Group: 13A Warn Stage(ft): 26.950
Type: Stage/Area

Stage(ft)	Area(ac)
26.950	0.4300
27.950	1.5900
28.950	2.7500
30.950	6.1800
32.950	10.8600
33.950	14.8200

Name: 13A2800N Base Flow(cfs): 0.000 Init Stage(ft): 30.070
Group: 13A Warn Stage(ft): 32.250
Type: Stage/Area

Stage(ft)	Area(ac)
34.250	0.0000
34.950	3.6500

Name: 13A2820P Base Flow(cfs): 0.000 Init Stage(ft): 31.380
Group: 13A Warn Stage(ft): 36.650
Type: Stage/Area

Stage(ft)	Area(ac)
29.950	2.8500
36.650	4.1300
36.950	4.8800
38.950	4.8800

Name: 13A2900N Base Flow(cfs): 0.000 Init Stage(ft): 33.100
Group: 13A Warn Stage(ft): 36.950
Type: Stage/Area

Stage(ft)	Area(ac)
33.950	0.2800
34.950	1.2200
35.950	3.8700
36.950	7.5700
38.950	16.3700

Name: 13A3000N Base Flow(cfs): 0.000 Init Stage(ft): 33.470
Group: 13A Warn Stage(ft): 36.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.150	0.0000
36.950	1.3500
38.950	7.6200

Name: 13A3200N Base Flow(cfs): 0.000 Init Stage(ft): 33.490
Group: 13A Warn Stage(ft): 36.510
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3300N Base Flow(cfs): 0.000 Init Stage(ft): 33.990

```
     Group: 13A                                                Warn Stage(ft): 37.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A3320P            Base Flow(cfs): 0.000          Init Stage(ft): 36.450
     Group: 13A                                                Warn Stage(ft): 41.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         36.450          0.0000
         36.950          0.0800
         38.950          0.1300
         43.950          0.7200

-------------------------------------------------------------------------------------
      Name: 13A3400N            Base Flow(cfs): 0.000          Init Stage(ft): 34.570
     Group: 13A                                                Warn Stage(ft): 36.250
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A3420P            Base Flow(cfs): 0.000          Init Stage(ft): 46.950
     Group: 13A                                                Warn Stage(ft): 48.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         45.950          0.7200
         46.950          1.1200
         46.960          1.5600
         47.950          2.1500
         48.950          3.1500
         49.950          4.6000
         50.950          7.9000

-------------------------------------------------------------------------------------
      Name: 13A3440P            Base Flow(cfs): 0.000          Init Stage(ft): 48.950
     Group: 13A                                                Warn Stage(ft): 50.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         47.450          0.0000
         47.950          0.0300
         48.950          0.8500
         49.950          1.3000
         50.950          1.8000

-------------------------------------------------------------------------------------
      Name: 13A3600N            Base Flow(cfs): 0.000          Init Stage(ft): 35.040
     Group: 13A                                                Warn Stage(ft): 40.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A3700N            Base Flow(cfs): 0.000          Init Stage(ft): 35.880
     Group: 13A                                                Warn Stage(ft): 38.250
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3900N Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.350
Type: Stage/Area

Stage(ft)	Area(ac)
39.750	0.1290
39.850	0.1290
39.950	0.5600
43.950	0.5600

Name: 13A3910P Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.950	0.0000
37.950	0.4485
38.950	0.5576
39.950	0.7221
40.950	0.8862
41.950	1.0839
42.950	1.2615
43.950	1.4984

Name: 13A3920P Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 41.450
Type: Stage/Area

Stage(ft)	Area(ac)
39.950	3.2500
40.950	3.6092
41.950	5.8554
42.950	6.8624
43.950	7.8317

Name: 13A3930N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 43.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
43.850	0.0100
43.950	0.1000
44.950	0.2000
45.950	0.6000

Name: 13A3940N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 45.550
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
45.850	0.0100
45.950	0.1000
46.950	0.2500
47.950	0.7000

Name: 13A3950N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A3952P Base Flow(cfs): 0.000 Init Stage(ft): 44.260
Group: 13A Warn Stage(ft): 46.950
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	2.3000
44.950	2.6500
46.650	3.0670
46.950	7.3450
47.950	11.6430
48.950	14.9400

Name: 13A3954P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.250
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	1.1000
50.950	2.5000
53.950	6.0000

Name: 13A3960P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 56.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3962P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 62.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3980N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 46.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A3990P Base Flow(cfs): 0.000 Init Stage(ft): 41.590
Group: 13A Warn Stage(ft): 45.750
Type: Stage/Area

Stage(ft)	Area(ac)

40.950	1.8300
41.950	2.0800
42.950	2.3511
43.950	2.6625
44.950	2.8802
45.950	3.3825
46.950	4.6047
47.950	6.0732
48.950	8.6541

Name: 13A4000N Base Flow(cfs): 0.000 Init Stage(ft): 38.190
Group: 13A Warn Stage(ft): 38.750
Type: Stage/Area

Stage(ft)	Area(ac)
39.150	0.0000
39.850	1.3230
39.950	1.7510
41.250	1.9400
41.450	2.0520
43.950	2.0520

Name: 13A4100N Base Flow(cfs): 0.000 Init Stage(ft): 38.420
Group: 13A Warn Stage(ft): 43.050
Type: Stage/Area

Stage(ft)	Area(ac)
40.150	0.4330
43.740	0.4330
43.750	0.7880
43.950	0.7880

Name: 13A4120P Base Flow(cfs): 0.000 Init Stage(ft): 38.810
Group: 13A Warn Stage(ft): 42.150
Type: Stage/Area

Stage(ft)	Area(ac)
37.950	1.2600
38.950	1.4600
39.950	1.6923
40.950	1.9577
41.950	2.2578
42.950	2.5742
43.950	2.6573
44.950	2.7908
44.960	4.1292

Name: 13A4200N Base Flow(cfs): 0.000 Init Stage(ft): 39.200
Group: 13A Warn Stage(ft): 42.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.350	0.6360
48.950	0.6360

Name: 13A4300N Base Flow(cfs): 0.000 Init Stage(ft): 40.470
Group: 13A Warn Stage(ft): 40.750
Type: Stage/Area

Stage(ft)	Area(ac)
44.950	2.3400
47.250	3.4530
47.950	3.7100
48.950	3.8700

Name: 13A4400N Base Flow(cfs): 0.000 Init Stage(ft): 41.330
Group: 13A Warn Stage(ft): 43.150
Type: Stage/Area

Stage(ft)	Area(ac)
45.750	0.3060
48.950	0.3060

Name: 13A4600N Base Flow(cfs): 0.000 Init Stage(ft): 41.460
Group: 13A Warn Stage(ft): 45.350
Type: Stage/Area

Stage(ft)	Area(ac)
45.350	0.0000
47.950	1.4000

Name: 13A4700N Base Flow(cfs): 0.000 Init Stage(ft): 42.170
Group: 13A Warn Stage(ft): 43.950
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	0.0000
44.950	1.0000
48.950	3.0000

Name: 13A4800N Base Flow(cfs): 0.000 Init Stage(ft): 42.520
Group: 13A Warn Stage(ft): 47.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A5000N Base Flow(cfs): 0.000 Init Stage(ft): 42.750
Group: 13A Warn Stage(ft): 47.650
Type: Stage/Area

Stage(ft)	Area(ac)
41.850	0.0010
48.150	0.4500
48.950	0.4500

Name: 13A5050N Base Flow(cfs): 0.000 Init Stage(ft): 43.750
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
999.000	0.0500

Name: 13A5100N Base Flow(cfs): 0.000 Init Stage(ft): 43.970
Group: 13A Warn Stage(ft): 48.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

```
-------------------------------------------------------------------------------------------
      Name: 13A5200N            Base Flow(cfs): 0.000          Init Stage(ft): 44.330
     Group: 13A                                                Warn Stage(ft): 49.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5300N            Base Flow(cfs): 0.000          Init Stage(ft): 44.480
     Group: 13A                                                Warn Stage(ft): 51.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5320P            Base Flow(cfs): 0.000          Init Stage(ft): 46.850
     Group: 13A                                                Warn Stage(ft): 51.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         46.850          0.1100
         51.950          0.2200

-------------------------------------------------------------------------------------------
      Name: 13A5400N            Base Flow(cfs): 0.000          Init Stage(ft): 45.050
     Group: 13A                                                Warn Stage(ft): 51.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5500N            Base Flow(cfs): 0.000          Init Stage(ft): 45.660
     Group: 13A                                                Warn Stage(ft): 55.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5600N            Base Flow(cfs): 0.000          Init Stage(ft): 46.740
     Group: 13A                                                Warn Stage(ft): 53.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5800N            Base Flow(cfs): 0.000          Init Stage(ft): 47.740
     Group: 13A                                                Warn Stage(ft): 52.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         47.050          0.0130
         47.750          0.0460
         47.850          0.0640
```

50.250	0.0850
52.350	0.1280
52.950	0.2150
57.950	0.2150

Name: 13A6000P Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	9.3896
50.950	13.5071
51.950	15.3268
52.950	21.9502
53.950	30.0563
54.950	39.7569

Name: 13B0200N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13B0400N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 17.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0500N Base Flow(cfs): 0.000 Init Stage(ft): 15.450
Group: 13B Warn Stage(ft): 18.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0600N Base Flow(cfs): 0.000 Init Stage(ft): 19.650
Group: 13B Warn Stage(ft): 22.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0100N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13C Warn Stage(ft): 13.250
Type: Stage/Area

Stage(ft)	Area(ac)
13.250	0.0000
13.950	0.5000
14.950	0.7000
15.950	1.1000

Name: 13C0200N Base Flow(cfs): 0.000 Init Stage(ft): 9.090

Group: 13C Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0300N Base Flow(cfs): 0.000 Init Stage(ft): 10.210
Group: 13C Warn Stage(ft): 15.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0500N Base Flow(cfs): 0.000 Init Stage(ft): 10.520
Group: 13C Warn Stage(ft): 14.350
Type: Stage/Area

Stage(ft)	Area(ac)
9.270	0.0010
14.350	0.0700
14.950	0.4300
15.950	0.7400
16.950	1.4270
17.950	1.6290
18.950	1.7910

Name: 13C0600N Base Flow(cfs): 0.000 Init Stage(ft): 10.550
Group: 13C Warn Stage(ft): 15.850
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0520
16.550	0.7510
16.950	1.2440
17.550	1.7030
17.950	2.2310
18.950	3.4580

Name: 13C0800N Base Flow(cfs): 0.000 Init Stage(ft): 13.490
Group: 13C Warn Stage(ft): 17.550
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0110
16.550	0.3220
16.950	0.5570
17.550	0.8950
17.950	1.3420
18.950	2.4070

Name: 13C1000N Base Flow(cfs): 0.000 Init Stage(ft): 13.490
Group: 13C Warn Stage(ft): 17.750
Type: Stage/Area

Stage(ft)	Area(ac)
17.750	0.0000
18.950	0.2400
19.950	0.4000

```
-------------------------------------------------------------------------------------------
      Name: 13C1100N            Base Flow(cfs): 0.000          Init Stage(ft): 15.320
     Group: 13C                                                Warn Stage(ft): 20.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1200N            Base Flow(cfs): 0.000          Init Stage(ft): 20.840
     Group: 13C                                                Warn Stage(ft): 25.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1300N            Base Flow(cfs): 0.700          Init Stage(ft): 22.650
     Group: 13C                                                Warn Stage(ft): 25.130
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.130          0.0000
         26.950          1.6000

-------------------------------------------------------------------------------------------
      Name: 13C1350N            Base Flow(cfs): 0.000          Init Stage(ft): 24.110
     Group: 13C                                                Warn Stage(ft): 25.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.950          0.0000
         26.950          2.8000
         27.950          5.9000
         28.950          8.5000

-------------------------------------------------------------------------------------------
      Name: 13C1400N            Base Flow(cfs): 0.000          Init Stage(ft): 25.550
     Group: 13C                                                Warn Stage(ft): 28.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1500N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1700N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
```

```
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1800N            Base Flow(cfs): 0.000          Init Stage(ft): 27.130
     Group: 13C                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1850N            Base Flow(cfs): 0.000          Init Stage(ft): 27.470
     Group: 13C                                                Warn Stage(ft): 31.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1900N            Base Flow(cfs): 0.000          Init Stage(ft): 27.910
     Group: 13C                                                Warn Stage(ft): 31.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C2000N            Base Flow(cfs): 0.000          Init Stage(ft): 30.740
     Group: 13C                                                Warn Stage(ft): 34.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C2200P            Base Flow(cfs): 0.500          Init Stage(ft): 30.750
     Group: 13C                                                Warn Stage(ft): 33.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         29.950          0.7000
         31.950          0.7895
         32.950          1.8869
         33.950          2.6738
         34.950          3.4960
         35.950          4.3545
         36.950          5.2521

-------------------------------------------------------------------------------------------
      Name: 13C2400P            Base Flow(cfs): 0.000          Init Stage(ft): 30.980
     Group: 13C                                                Warn Stage(ft): 35.480
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         30.950         11.0360
         33.950         11.0360
         36.950         11.0360

-------------------------------------------------------------------------------------------
      Name: 13D0150N            Base Flow(cfs): 0.000          Init Stage(ft): 27.700
     Group: 13D                                                Warn Stage(ft): 31.950
      Type: Stage/Area
```

Stage(ft)	Area(ac)
31.950	0.0000
32.950	0.6400

Name: 13D0170P Base Flow(cfs): 0.000 Init Stage(ft): 29.480
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
28.950	0.8360
29.950	0.8472
30.950	0.9339
31.950	1.2313
35.450	4.7310
38.950	8.2310

Name: 13D0200N Base Flow(cfs): 0.000 Init Stage(ft): 29.250
Group: 13D Warn Stage(ft): 34.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0310N Base Flow(cfs): 0.000 Init Stage(ft): 32.800
Group: 13D Warn Stage(ft): 38.350
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0100
38.350	0.0100
38.450	0.0500
41.450	0.0500

Name: 13D0330N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)
32.950	0.0100
38.370	0.0100
38.450	0.0500
98.940	0.0500

Name: 13D0400N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0500N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500

```
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13D0700N            Base Flow(cfs): 0.000          Init Stage(ft): 34.650
     Group: 13D                                                Warn Stage(ft): 41.180
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13D0750N            Base Flow(cfs): 0.000          Init Stage(ft): 37.050
     Group: 13D                                                Warn Stage(ft): 44.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13D0800N            Base Flow(cfs): 0.000          Init Stage(ft): 38.850
     Group: 13D                                                Warn Stage(ft): 45.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------------
      Name: 13F0200N            Base Flow(cfs): 0.000          Init Stage(ft): 45.420
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0010
         97.950          0.0010

-------------------------------------------------------------------------------------------
      Name: 13F0400P            Base Flow(cfs): 0.900          Init Stage(ft): 45.910
     Group: 13F                                                Warn Stage(ft): 47.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         45.050          5.0000
         45.550         34.1719
         45.950         37.9688
         46.950         45.6319
         47.950         57.2392
         48.950         63.7791
         49.950         71.0000

-------------------------------------------------------------------------------------------
      Name: 13F0410P            Base Flow(cfs): 0.000          Init Stage(ft): 47.950
     Group: 13F                                                Warn Stage(ft): 50.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         44.950          0.0300
         45.950          0.1000
         47.950          0.3600
         48.950          0.5400
         50.950          0.9900
         51.950          1.0560

-------------------------------------------------------------------------------------------
      Name: 13F0420P            Base Flow(cfs): 0.000          Init Stage(ft): 48.950
```

Group: 13F Warn Stage(ft): 51.550
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.3900
48.950	1.3700
51.950	4.2500

Name: 13F0430P Base Flow(cfs): 0.000 Init Stage(ft): 49.150
Group: 13F Warn Stage(ft): 52.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	2.9103
46.950	4.2532
47.950	5.4562
48.950	6.5284
49.950	7.4958
50.950	8.4129
52.950	8.5000

Name: 13F0440P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1700
44.950	0.2700
50.950	0.9800
51.950	1.0000

Name: 13F0450P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1100
44.950	0.1800
50.950	0.6000
51.950	0.6000

Name: 13F0700N Base Flow(cfs): 0.000 Init Stage(ft): 49.910
Group: 13F Warn Stage(ft): 50.580
Type: Stage/Area

Stage(ft)	Area(ac)
49.910	0.0000
49.950	0.0340
50.950	1.1480
51.950	1.5000
52.950	4.3600

Name: 13F0750N Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
52.950	0.4000
53.950	1.0000
54.950	1.5000

Name: 13F0800N Base Flow(cfs): 0.000 Init Stage(ft): 53.250
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13F1000P Base Flow(cfs): 0.000 Init Stage(ft): 54.300
Group: 13F Warn Stage(ft): 56.800
Type: Stage/Area

Stage(ft)	Area(ac)
51.150	0.0000
51.950	6.5452
52.950	11.3772
53.950	14.4116
54.950	18.2470
55.950	23.1050

Name: 13F1154P Base Flow(cfs): 0.000 Init Stage(ft): 62.950
Group: 13F Warn Stage(ft): 66.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13F1158P Base Flow(cfs): 0.000 Init Stage(ft): -1.050
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13F1300P Base Flow(cfs): 0.000 Init Stage(ft): 53.250
Group: 13F Warn Stage(ft): 55.150
Type: Stage/Area

Stage(ft)	Area(ac)
51.950	2.0500
55.950	3.6600
56.950	3.6600

Name: 13F1374P Base Flow(cfs): 0.000 Init Stage(ft): 60.150
Group: 13F Warn Stage(ft): 65.450
Type: Stage/Area

Stage(ft)	Area(ac)
60.150	0.0100
60.950	0.1824
61.950	0.2081
62.950	0.2463
63.950	0.3243
64.950	0.8000
65.950	1.1700

Name: 13F1378P Base Flow(cfs): 0.000 Init Stage(ft): 58.950
Group: 13F Warn Stage(ft): 65.750
Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.8500
66.450	1.5700

Name: 13G0100N Base Flow(cfs): 0.000 Init Stage(ft): 43.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0200N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0400N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 50.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0500N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 48.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0600N Base Flow(cfs): 0.000 Init Stage(ft): 45.450
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G1200P Base Flow(cfs): 0.000 Init Stage(ft): 45.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
45.750	16.0900
45.950	16.9367
46.950	21.3324
47.950	24.3803
48.950	26.7851
49.950	29.2399
50.950	30.7917

Name: 13G2000N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G2100N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	0.0800
46.950	0.1100
48.950	0.2600

Name: 13H0150P Base Flow(cfs): 0.000 Init Stage(ft): 53.990
Group: 13H Warn Stage(ft): 61.050
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	1.2000
60.050	1.2000
60.950	1.3000
61.950	1.4000

Name: 13H0350P Base Flow(cfs): 0.000 Init Stage(ft): 54.520
Group: 13H Warn Stage(ft): 60.050
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	1.6000
59.250	1.6000
59.950	1.7000
60.950	1.8000

Name: 13I0300N Base Flow(cfs): 0.000 Init Stage(ft): 50.250
Group: 13I Warn Stage(ft): 57.320
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0400N Base Flow(cfs): 0.000 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0610P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13I Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)

46.950	0.0520
52.950	0.2100
59.950	0.4790
60.950	0.5000

Name: 13I0620P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13I Warn Stage(ft): 60.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.5680
52.950	1.0050
58.950	1.5610
62.950	2.1940

Name: 13I0700N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0900N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 61.400
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1000N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1500P Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 65.250
Type: Stage/Area

Stage(ft)	Area(ac)
54.450	0.1130
64.450	0.8860
65.950	1.0530
68.950	9.2500

Name: 13I1502N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.380
Type: Stage/Area

Stage(ft)	Area(ac)
54.850	0.0100
63.380	0.0100
64.550	0.4590
65.950	0.7810

Name: 13I1504N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.780
Type: Stage/Area

Stage(ft)	Area(ac)
55.350	0.0100
63.780	0.0100
65.650	1.0080

Name: 13I1506N Base Flow(cfs): 0.000 Init Stage(ft): 58.750
Group: 13I Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
58.750	0.0100
65.050	0.0100
66.050	0.3880

Name: 13I1508N Base Flow(cfs): 0.000 Init Stage(ft): 58.750
Group: 13I Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
58.750	0.0100
65.050	0.0100
66.050	0.0100

Name: 13I1510N Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13I Warn Stage(ft): 65.650
Type: Stage/Area

Stage(ft)	Area(ac)
59.550	0.0100
65.650	0.0100
68.150	0.2760

Name: 13I1512N Base Flow(cfs): 0.000 Init Stage(ft): 60.050
Group: 13I Warn Stage(ft): 65.650
Type: Stage/Area

Stage(ft)	Area(ac)
60.050	0.0100
65.650	0.0100
68.150	0.2760

Name: 13I1514P Base Flow(cfs): 0.000 Init Stage(ft): 61.100
Group: 13I Warn Stage(ft): 65.950
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	0.5000
63.950	0.5000
64.950	3.0000
65.950	8.7500
68.950	17.6000

Name: 13J0300N Base Flow(cfs): 0.000 Init Stage(ft): 57.970
Group: 13J Warn Stage(ft): 61.970
Type: Stage/Area

Stage(ft)	Area(ac)
57.880	0.0100
58.750	0.0290
59.700	0.0420
60.450	0.0570
61.150	0.1310
61.350	0.2640
62.050	0.5020
64.550	0.6060

Name: 13J0320N Base Flow(cfs): 0.000 Init Stage(ft): 59.300
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0340N Base Flow(cfs): 0.000 Init Stage(ft): 60.590
Group: 13J Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0360N Base Flow(cfs): 0.000 Init Stage(ft): 61.560
Group: 13J Warn Stage(ft): 66.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0400N Base Flow(cfs): 0.000 Init Stage(ft): 66.050
Group: 13J Warn Stage(ft): 72.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0600N Base Flow(cfs): 0.000 Init Stage(ft): 69.260
Group: 13J Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J0640N Base Flow(cfs): 0.000 Init Stage(ft): 70.280
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J0680N Base Flow(cfs): 0.000 Init Stage(ft): 70.610
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0700N Base Flow(cfs): 0.000 Init Stage(ft): 71.340
Group: 13J Warn Stage(ft): 75.030
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
75.030	0.0100
75.650	0.1000
76.050	0.1000
77.950	0.1000

Name: 13J0800N Base Flow(cfs): 0.000 Init Stage(ft): 71.360
Group: 13J Warn Stage(ft): 76.250
Type: Stage/Area

Stage(ft)	Area(ac)
76.550	0.0000
76.950	0.2000
77.050	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J0900N Base Flow(cfs): 0.000 Init Stage(ft): 72.010
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.350	0.0000
76.250	0.1130
76.950	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J1000N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.2100
77.950	0.7400
78.950	1.4250

Name: 13J1100N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150
Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.0000
77.950	0.5300
78.950	1.2150

Name: 13J1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.430
Group: 13J Warn Stage(ft): 77.050

Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6950
77.950	1.0450
78.950	1.2300

Name: 13J1400N Base Flow(cfs): 0.000 Init Stage(ft): 72.710
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6050
77.450	0.6050
77.950	0.9550
78.950	1.1350

Name: 13J1600N Base Flow(cfs): 0.000 Init Stage(ft): 73.180
Group: 13J Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
75.950	0.7200
76.850	2.0050
76.950	2.2980
77.950	3.4880
78.950	3.8880

Name: 13J1800N Base Flow(cfs): 0.000 Init Stage(ft): 73.430
Group: 13J Warn Stage(ft): 76.950
Type: Stage/Area

Stage(ft)	Area(ac)
76.350	0.0000
76.950	0.1100
77.950	0.9600
78.950	1.6600

Name: 13J1820P Base Flow(cfs): 0.000 Init Stage(ft): 77.250
Group: 13J Warn Stage(ft): 82.050
Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.4540
81.900	0.7690
81.950	1.1000
83.950	1.1000

Name: 13J1900N Base Flow(cfs): 0.000 Init Stage(ft): 75.490
Group: 13J Warn Stage(ft): 81.750
Type: Stage/Area

Stage(ft)	Area(ac)
81.750	0.0000
81.950	0.1700
83.950	0.1700

Name: 13J2100N Base Flow(cfs): 0.000 Init Stage(ft): 75.950
Group: 13J Warn Stage(ft): 82.260
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J2200P Base Flow(cfs): 0.400 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 78.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	2.1463
76.950	3.2227
77.950	6.2411
78.950	9.0181
79.950	14.3004
80.950	21.6171
81.950	30.9448
82.950	41.4538

Name: 13J2220P Base Flow(cfs): 0.000 Init Stage(ft): 79.120
Group: 13J Warn Stage(ft): 84.150
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	1.0000
81.950	1.9285
82.950	4.1445
83.950	8.6075

Name: 13J2221P Base Flow(cfs): 0.000 Init Stage(ft): 85.950
Group: 13J Warn Stage(ft): 87.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.0000
85.950	1.7100
86.950	2.1257
87.450	2.3027
88.950	2.5800

Name: 13J2222P Base Flow(cfs): 0.000 Init Stage(ft): 86.950
Group: 13J Warn Stage(ft): 89.200
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.0000
86.950	0.4700
88.950	0.9888
89.950	1.2454

Name: 13J2231N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J2232N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 81.450
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J2233P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13J Warn Stage(ft): 81.850
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0500
81.950	1.3535
82.950	3.1984
83.950	9.1738
84.950	9.3700

Name: 13J2234P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13J Warn Stage(ft): 83.450
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	0.3000
80.950	0.5463
82.950	0.9591
83.950	2.7988
84.950	8.0000

Name: 13K0250N Base Flow(cfs): 0.000 Init Stage(ft): 54.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.340
Group: 13K Warn Stage(ft): 60.670
Type: Stage/Area

Stage(ft)	Area(ac)
55.050	0.0100
55.950	0.0100
56.950	0.0110
59.450	0.0920
59.950	0.1280
60.950	0.2800
61.950	0.9700

Name: 13K0550N Base Flow(cfs): 0.000 Init Stage(ft): 56.510
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0650N Base Flow(cfs): 0.000 Init Stage(ft): 58.590
Group: 13K Warn Stage(ft): 64.350
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.750	0.0100
62.950	0.1000
63.950	0.1700
64.450	0.5700

Name: 13K0750N Base Flow(cfs): 0.000 Init Stage(ft): 58.790
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.710	0.0100
62.750	0.1230
63.950	0.3020
64.950	4.1610
65.950	4.5770

Name: 13K0820N Base Flow(cfs): 0.000 Init Stage(ft): 59.510
Group: 13K Warn Stage(ft): 62.630
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.630	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0860N Base Flow(cfs): 0.000 Init Stage(ft): 59.540
Group: 13K Warn Stage(ft): 62.120
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.120	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0900P Base Flow(cfs): 0.000 Init Stage(ft): 61.070
Group: 13K Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.2257
60.950	0.2973
61.950	0.6281
62.950	0.8540
63.950	1.6958
64.950	2.1400
65.950	2.6800
66.950	3.1500
67.950	3.4200
68.950	4.0500

Name: 13K1100N Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 67.750

Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.180	0.0100
68.950	0.1700

Name: 13K1150P Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
59.450	0.0100
59.950	0.1100
60.950	0.1446
61.950	0.2066
62.950	0.2778
68.950	3.2700

Name: 13K1300N Base Flow(cfs): 0.000 Init Stage(ft): 59.560
Group: 13K Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	0.0800
68.950	0.6890

Name: 13K1500N Base Flow(cfs): 0.000 Init Stage(ft): 71.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K1600N Base Flow(cfs): 0.000 Init Stage(ft): 72.510
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K1750N Base Flow(cfs): 0.000 Init Stage(ft): 72.610
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.460	0.0100
75.350	0.0100
75.450	0.0570
75.710	0.1150
78.950	0.1150

Name: 13K2000N Base Flow(cfs): 0.000 Init Stage(ft): 78.690
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

-100.050	0.0500
97.950	0.0500

Name: 13K2240P Base Flow(cfs): 0.000 Init Stage(ft): 78.950
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	1.0000
83.950	1.0000

Name: 13K3050P Base Flow(cfs): 0.000 Init Stage(ft): 77.900
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.1532
77.950	5.4391
78.950	8.6887

Name: 13K3200P Base Flow(cfs): 0.000 Init Stage(ft): 79.550
Group: 13K Warn Stage(ft): 81.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.450	0.0100
78.940	0.0227
78.950	0.4151
81.950	0.5046
83.950	0.5046

Name: 13K4050P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.8514
77.950	8.4933
78.950	10.6000

Name: 13K4200P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	1.2016
81.950	2.8369
82.950	5.7521
83.950	7.2505

Name: 13K4400P Base Flow(cfs): 0.000 Init Stage(ft): 79.290
Group: 13K Warn Stage(ft): 82.150
Type: Stage/Area

Stage(ft)	Area(ac)
79.290	0.7500
81.950	0.7500
83.950	0.7500

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-------------------------------------------------------------------------------------------
      Name: 13L0020N            Base Flow(cfs): 0.000          Init Stage(ft): 51.850
     Group: 13L                                                Warn Stage(ft): 53.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------------
      Name: 13L0040P            Base Flow(cfs): 0.000          Init Stage(ft): 51.950
     Group: 13L                                                Warn Stage(ft): 53.230
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         51.150          1.4980
         51.950         12.5760
         52.950         13.5500
         53.950         16.1207
         54.950         20.8151

-------------------------------------------------------------------------------------------
      Name: 13L0200N            Base Flow(cfs): 0.000          Init Stage(ft): 50.450
     Group: 13L                                                Warn Stage(ft): 54.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13L0400N            Base Flow(cfs): 0.000          Init Stage(ft): 50.450
     Group: 13L                                                Warn Stage(ft): 54.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         49.430          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13L0820P            Base Flow(cfs): 0.000          Init Stage(ft): 50.950
     Group: 13L                                                Warn Stage(ft): 53.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         47.950          0.0000
         50.950          0.8548
         51.950          1.1475
         52.950          1.6059
         53.950          2.1582
         54.950          3.3576
         55.950          4.4817

-------------------------------------------------------------------------------------------
      Name: 13L1020P            Base Flow(cfs): 0.000          Init Stage(ft): 53.450
     Group: 13L                                                Warn Stage(ft): 56.350
      Type: Stage/Area

Stage area based on DEM

      Stage(ft)        Area(ac)
--------------- ---------------
         50.260          0.0010
         50.760          0.0560
         51.260          0.1290
         51.760          0.4990
         52.260          1.1780
         52.760          2.1130
         53.260          2.7390
```

53.760	3.1550
54.260	3.4400
54.760	3.7380
55.260	4.0890
55.760	4.4790
56.260	4.9450
56.760	5.4050
57.260	5.8880
57.760	6.5800
58.260	7.4980
58.760	8.3380
59.260	9.1140
59.760	9.8470
60.260	10.5020
60.760	11.1290
61.260	11.7360
61.760	12.3280
62.260	12.7860
62.760	13.3600
63.260	13.9480
63.760	14.5660
64.260	15.2020
64.760	15.8820
65.260	16.4940
65.760	17.0450
66.260	17.5400
66.760	18.0460
67.260	18.6000
67.760	19.1470
68.260	19.8050
68.760	20.4530
69.260	21.1690
69.760	21.7490
70.260	22.1480
70.760	22.5270
71.260	22.8650
71.760	23.3240
72.260	23.6930
72.760	24.0750
73.260	24.4160
73.760	24.6960
74.260	24.9670
74.760	25.2260
75.260	25.5170
75.760	25.7360
76.260	25.8610
76.760	26.0320
77.260	26.1200
77.760	26.2110
78.260	26.2900
78.760	26.3680
79.260	26.3940
79.760	26.4300
80.260	26.4740
80.760	26.5420
81.460	26.5620
91.460	26.5620

Name: 13L1202N Base Flow(cfs): 0.000 Init Stage(ft): 58.500
Group: GEE Warn Stage(ft): 60.580
Type: Stage/Area

Current: Stage-area derived from DEM using ArcHydro method
Previous: MXT-ZA est from contours (58,0.11; 59,0.22; 60,0.36; 61,0.86); Stage area based on DEM

Stage(ft)	Area(ac)
57.110	0.0010
57.610	0.0840
58.110	0.1120
58.610	0.1580
59.110	0.2480
59.610	0.3070
60.110	0.3760
60.610	0.6180
61.110	1.0300
61.610	1.4080
62.110	1.6170
62.610	1.8140
63.110	2.0440
63.610	2.2530
64.110	2.4780
64.610	2.7620

65.110	3.0250
65.610	3.1920
66.110	3.3600
66.610	3.5490
67.110	3.7470
67.610	4.1330
68.110	4.4300
68.610	4.7790
69.110	5.1600
69.610	5.5520
70.110	6.0120
70.610	6.4200
71.110	6.6750
71.610	6.9050
72.110	7.1490
72.610	7.3850
73.110	7.7050
73.610	8.0960
74.110	8.4720
74.610	9.0290
75.110	9.6770
75.610	10.7080
76.110	12.0370
76.610	12.9830
77.110	13.3050
77.610	13.4650
78.110	13.5180
78.610	13.5520
79.140	13.5650
89.140	13.5650

Name: 13L1203N Base Flow(cfs): 0.000 Init Stage(ft): 56.900
Group: GEE Warn Stage(ft): 60.650
Type: Stage/Area

Stage-area from DEM; Zi from upstream invert of 13L1203C;

Stage(ft)	Area(ac)
56.900	0.0010
59.380	0.0010
59.880	0.0020
60.380	0.0100
60.880	0.0650
61.380	0.1000
61.880	0.1240
62.380	0.1380
62.880	0.1560
63.380	0.1740
63.880	0.1960
64.380	0.2200
64.880	0.2500
65.380	0.3010
65.880	0.3550
66.380	0.4250
66.880	0.5140
67.380	0.6100
67.880	0.7710
68.380	0.8870
68.880	0.9790
69.380	1.1220
69.880	1.2000
70.380	1.2840
70.880	1.3910
71.200	1.4390

Name: 13L1400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1600N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1825N Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 57.350
Type: Stage/Area

Revision
Updated Initial stage to match control elevation of drop structure; Stage area based on DEM

Stage(ft)	Area(ac)
49.930	0.0010
50.430	0.0010
50.930	0.0720
51.430	0.0820
51.930	0.0900
52.430	0.1030
52.930	0.1230
53.430	0.1790
53.930	0.2130
54.430	0.2330
54.930	0.2530
55.430	0.2830
55.930	0.3130
56.430	0.3360
56.930	0.3470
57.430	0.3740
57.930	0.3770
58.430	0.3780
58.930	0.3810
59.430	0.3830
59.930	0.3840
60.430	0.3870
61.010	0.3920

Name: 13L1875P Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 58.150
Type: Stage/Area

Stage(ft)	Area(ac)
19.980	0.0010
20.480	0.0010
20.980	0.0010
21.480	0.0010
21.980	0.0010
22.480	0.0010
22.980	0.0020
23.480	0.0020
23.980	0.0020
24.480	0.0020
24.980	0.0020
25.480	0.0020
25.980	0.0020
26.480	0.0020
26.980	0.0020
27.480	0.0020
27.980	0.0020
28.480	0.0020
28.980	0.0020
29.480	0.0020
29.980	0.0020
30.480	0.0020
30.980	0.0020
31.480	0.0020
31.980	0.0020
32.480	0.0020
32.980	0.0020
33.480	0.0020
33.980	0.0020
34.480	0.0020
34.980	0.0020
35.480	0.0020
35.980	0.0020
36.480	0.0030
36.980	0.0030
37.480	0.0030

37.980	0.0030
38.480	0.0030
38.980	0.0030
39.480	0.0030
39.980	0.0030
40.480	0.0050
40.980	0.0050
41.480	0.0050
41.980	0.0060
42.480	0.0060
42.980	0.0070
43.480	0.0070
43.980	0.0080
44.480	0.0090
44.980	0.0090
45.480	0.0090
45.980	0.0090
46.480	0.0090
46.980	0.0090
47.480	0.0090
47.980	0.0090
48.480	0.0100
48.980	0.0100
49.480	0.0100
49.980	0.0110
50.480	0.0130
50.980	0.1180
51.480	0.4190
51.980	0.4780
52.480	0.5540
52.980	0.6940
53.480	0.8920
53.980	1.2270
54.480	1.9650
54.980	3.2930
55.480	4.9630
55.980	7.6270
56.480	10.0960
56.980	13.2160
57.480	15.6100
57.980	19.6020
58.480	21.8310
58.980	24.3040
59.480	25.1080
59.980	26.0050
60.480	26.8020
60.980	27.6380
61.480	28.2510
61.980	28.9870
62.480	29.6660
62.980	30.2620
63.480	30.8590
63.980	31.4790
64.480	31.9320
64.980	32.3470
65.480	32.7570
65.980	33.3290
66.480	34.0350
66.980	35.2460
67.480	36.2770
67.980	37.9180
68.480	38.6440
68.980	39.9270
69.480	41.2340
69.980	43.1190
70.480	44.6610
70.980	47.5200
71.480	49.5530
71.980	53.1600
72.480	56.1280
72.980	61.4560
73.480	64.2210
73.980	68.2630
74.480	71.2350
74.980	75.7090
75.480	78.5030
75.980	84.1480
76.480	88.1040
76.980	96.3010
77.480	99.6430
77.980	104.5450
78.480	106.8830
78.980	110.8430
79.480	112.9400
79.980	116.4750

80.480	118.8550
80.980	121.3090
81.480	123.2590
81.980	124.9560
82.480	126.5290
82.980	127.7610
83.480	128.9570
83.980	130.0490
84.480	131.1390
84.980	132.3040
85.480	133.5410
85.980	134.8710
86.480	136.2690
86.980	137.5640
87.480	138.7430
87.980	139.9550
88.480	141.1380
88.980	142.2810
89.480	143.4470
89.980	144.7540
90.480	146.0650
90.980	147.3960
91.480	149.0050
91.980	150.2680
92.480	151.7100
92.980	152.9920
93.480	153.9410
93.980	155.0400
94.480	156.7220
94.980	159.0430
95.480	160.5470
95.980	160.9980
96.580	161.0340
106.580	161.0340

Name: 13L1885P Base Flow(cfs): 0.000 Init Stage(ft): 52.860
Group: 13L Warn Stage(ft): 60.000
Type: Stage/Area

Added
initial stage from terrain; stage area re-calculated

Stage(ft)	Area(ac)
52.740	0.0010
53.240	0.3000
53.740	0.3790
54.240	0.4520
54.740	0.5020
55.240	0.5490
55.740	0.5950
56.240	0.6360
56.740	0.6890
57.240	0.7470
57.740	0.8620
58.240	1.1940
58.740	1.3410
59.240	1.4780
59.740	1.6370
60.240	1.7790
60.740	1.9170
61.240	2.0410
61.740	2.3950
62.240	2.6710
62.740	2.9030
63.240	3.1320
63.740	3.3440
64.240	3.5770
64.740	3.8170
65.240	4.0150
65.740	4.1960
66.240	4.3850
66.740	4.7400
67.240	5.8290
67.740	7.6700
68.240	10.2120
68.740	11.7500
69.240	13.9320
69.740	16.4400
70.240	20.4310
70.740	23.3450
71.240	28.7890
71.740	32.1950
72.240	39.6380

72.740	42.9830
73.240	45.9720
73.740	46.3050
74.240	46.6120
74.740	46.8680
75.040	46.8970

Name: 13L1890P Base Flow(cfs): 0.000 Init Stage(ft): 52.540
Group: 13L Warn Stage(ft): 56.940
Type: Stage/Area

Stage-area re-calculated; Stage area based on DEM

Stage(ft)	Area(ac)
50.690	0.0010
51.690	0.6920
52.190	0.7340
52.690	0.7720
53.190	0.8120
53.690	0.8370
54.190	0.8640
54.690	0.9060
55.190	0.9870
55.690	1.1870
56.190	1.3940
56.690	1.7800
57.190	2.2640
57.690	2.7300
58.190	3.1630
58.690	3.5250
59.190	3.8750
59.690	4.2520
60.190	4.7270
60.690	5.2280
61.190	5.5460
61.690	5.8430
62.190	5.9840
62.690	6.1350
63.190	6.2710
63.690	6.3560
64.190	6.4340
64.690	6.5110
65.190	6.6020
65.690	6.6690
66.240	6.7090

Name: 13L1895P Base Flow(cfs): 0.000 Init Stage(ft): 52.750
Group: 13L Warn Stage(ft): 58.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.750	0.0010
53.140	0.0010
53.640	0.0110
54.140	0.1500
54.640	0.8640
55.140	1.4150
55.640	1.6460
56.140	1.8580
56.640	2.0370
57.140	2.2140
57.640	2.4000
58.140	2.6040
58.640	2.8390
59.140	3.0410
59.640	3.0980
60.140	3.1500
60.640	3.2390
61.140	3.3640
61.640	3.4680
62.140	3.6010
62.640	3.7900
63.140	4.0580
63.640	4.3660
64.140	4.6100
64.640	4.7900
65.140	4.9600
65.640	5.1560
66.140	5.3070

66.640	5.4280
67.140	5.5960
67.640	5.9400
68.140	6.1090
68.640	6.2950
69.140	6.5350
69.640	6.7540
70.140	6.8910
70.640	6.9600
71.300	7.0580

Name: 13L1950P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.950	0.0010
52.960	0.0010
53.460	0.6370
53.960	7.0240
54.460	19.9220
54.960	23.9280
55.460	25.6450
55.960	27.1340
56.460	28.5180
56.960	30.0550
57.460	31.5860
57.960	32.9360
58.460	34.1940
58.960	35.6940
59.460	36.8300
59.960	37.5090
60.460	38.1800
60.960	38.9040
61.460	39.6800
61.960	40.5440
62.460	41.4070
62.960	42.0900
63.460	42.6980
63.960	43.3070
64.460	43.9570
64.960	44.8530
65.460	45.8250
65.960	47.0250
66.460	47.8790
66.960	48.7400
67.460	49.4320
67.960	50.0020
68.460	50.6460
68.960	51.2430
69.460	51.8890
69.960	52.5570
70.460	53.5420
70.960	54.8740
71.460	55.9020
71.960	57.2050
72.460	58.3170
72.960	59.6440
73.460	60.8360
73.960	61.7800
74.460	62.7190
74.960	63.7780
75.460	64.7550
75.960	65.6810
76.460	66.6370
76.960	67.7170
77.460	68.7940
77.960	69.9210
78.460	71.2300
78.960	72.4640
79.460	73.8910
79.960	75.3020
80.460	76.7580
80.960	78.0260
81.460	79.4410
81.960	80.7500
82.460	82.1120
82.960	83.8230
83.460	85.2870
83.960	86.9750
84.460	88.4080

84.960	89.7100
85.460	91.1920
85.960	92.7250
86.460	93.9480
86.960	94.9710
87.460	96.0120
87.960	97.2570
88.460	98.1370
88.960	98.9970
89.460	99.7480
89.960	100.8470
90.460	102.0540
90.960	103.2320
91.460	104.4430
91.960	105.8180
92.460	107.2100
92.960	108.6620
93.460	110.4030
93.960	111.4630
94.460	111.9390
94.960	112.1420
95.460	112.3870
95.960	112.7320
96.460	112.9190
96.960	112.9790
97.240	112.9950

Name: 13L1951P Base Flow(cfs): 0.000 Init Stage(ft): 54.500
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Revised S/A during Golf Course Study (2016); Stage area based on DEM

Stage(ft)	Area(ac)
53.320	0.0010
53.820	0.1430
54.320	0.3020
54.820	0.3370
55.320	0.3630
55.820	0.4240
56.320	0.4900
56.820	0.6530
57.320	0.8900
57.820	1.1650
58.320	1.5880
58.820	2.0580
59.320	2.2770
59.820	2.4650
60.320	2.8060
60.820	3.0650
61.320	3.1450
61.820	3.2310
62.320	3.3410
62.820	3.5210
63.320	3.6170
63.820	3.7300
64.420	3.7530

Name: 13L1975P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
50.880	0.0010
51.380	0.0010
51.880	0.0020
52.380	0.0020
52.880	0.0030
53.380	0.0910
53.880	0.9200
54.380	3.4570
54.880	5.1800
55.380	6.6430
55.880	7.7300
56.380	8.6900
56.880	9.7650
57.380	11.1240
57.880	12.2400
58.380	13.0130

58.880	13.6660
59.380	14.1690
59.880	14.4960
60.380	14.6660
60.880	14.8070
61.380	14.8940
61.880	14.9990
62.380	15.1250
62.880	15.2160
63.380	15.3000
63.880	15.3550
64.380	15.3990
64.880	15.4380
65.380	15.5140
65.880	15.5600
66.380	15.6110
66.880	15.6730
67.380	15.7400
67.880	15.8160
68.380	15.8680
68.660	15.8720

Name: 13L2050P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.950	0.0010
54.120	0.0010
54.620	0.1970
55.120	0.6030
55.620	1.6940
56.120	3.6570
56.620	5.6450
57.120	7.1100
57.620	8.2290
58.120	8.9510
58.620	9.3510
59.120	9.7160
59.620	10.0320
60.120	10.3280
60.620	10.6080
61.120	10.9450
61.620	11.2320
62.120	11.4770
62.620	11.6870
63.120	12.0140
63.620	12.4160
64.120	12.9060
64.620	13.4890
65.120	14.1660
65.620	14.9810
66.120	15.8430
66.620	16.6650
67.120	17.4060
67.620	18.1170
68.120	18.8810
68.620	19.6360
69.120	20.4550
69.620	21.2800
70.120	22.1140
70.620	23.0180
71.120	24.0500
71.620	24.8930
72.120	25.6010
72.620	26.2930
73.120	26.8650
73.620	27.5330
74.120	28.0730
74.620	28.8580
75.120	29.7940
75.620	30.4440
76.120	30.8360
76.620	31.2200
77.120	31.8290
77.620	32.1710
78.120	32.3590
78.620	32.5300
79.120	32.7540
79.620	32.9570
80.120	33.1070

80.620	33.2130
81.120	33.3690
81.620	33.5310
82.120	33.6310
82.620	33.7100
83.120	33.7920
83.620	33.9670
84.120	34.2910
84.620	34.8330
85.120	35.4280
85.620	36.3270
86.120	37.1810
86.620	37.9670
87.120	38.7270
87.620	39.6520
88.120	40.8600
88.620	42.1450
89.120	43.7550
89.620	45.3370
90.120	47.3540
90.620	49.5360
91.120	51.7570
91.620	54.1720
92.120	56.1980
92.620	57.9490
93.120	59.8020
93.620	60.9900
94.120	62.6800
94.620	63.9530
95.120	64.5800
95.620	64.6610
96.120	64.7370
96.380	64.7380

Name: 13L2150N Base Flow(cfs): 0.000 Init Stage(ft): 56.250
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L2300P Base Flow(cfs): 0.000 Init Stage(ft): 62.440
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
62.400	0.4780
62.900	0.5290
63.400	0.5560
63.900	0.5880
64.400	0.6090
64.900	0.6300
65.400	0.6590
65.900	0.6920
66.400	0.7640
66.900	0.9030
67.400	1.1150
67.900	1.4620
68.400	1.9890
68.900	2.4830
69.400	2.8560
69.900	3.1860
70.400	3.5100
70.900	3.7270
71.400	3.9540
71.900	4.2310
72.400	4.5530
72.900	4.9280
73.400	5.2590
73.900	5.5180
74.400	5.8410
74.900	6.3070
75.400	6.8070
75.900	6.9520
76.400	7.2000
76.900	7.4360

77.440	7.5940

Name: 13L2400N Base Flow(cfs): 0.000 Init Stage(ft): 62.950
Group: 13L Warn Stage(ft): 71.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
62.950	0.0010
70.920	0.0010
71.420	0.0970
71.920	0.5560
72.420	1.1990
72.920	1.6920
73.420	2.0370
73.920	2.3080
74.420	2.6810
74.920	3.1780
75.420	3.6000
75.920	3.7070
76.420	3.7800
76.920	3.9070
77.420	3.9830
77.920	4.0280
78.420	4.0750
78.920	4.0990
79.420	4.1450
79.920	4.1720
80.420	4.2100
80.920	4.2570
81.420	4.2600
82.090	4.2630

Name: 13L2520P Base Flow(cfs): 0.000 Init Stage(ft): 74.950
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1250
78.950	0.1250
83.950	0.1250

Name: 13L2540P Base Flow(cfs): 0.000 Init Stage(ft): 71.450
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
70.950	0.1500
78.950	0.1500
83.950	0.1500

Name: 13L2560P Base Flow(cfs): 0.000 Init Stage(ft): 82.100
Group: 13L Warn Stage(ft): 88.950
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	0.6500
85.450	0.6500
88.950	0.6500

Name: 13L2700N Base Flow(cfs): 0.000 Init Stage(ft): 69.070
Group: 13L Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1700

75.950	0.4700
76.950	1.0300
78.950	1.8100

Name: 13L2720P Base Flow(cfs): 0.000 Init Stage(ft): 72.550
Group: 13L Warn Stage(ft): 74.950
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	0.3100
72.950	0.3500
73.950	0.4800
74.950	0.6000
75.950	0.6600

Name: 13L2750P Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13L Warn Stage(ft): 80.500
Type: Stage/Area

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Stage(ft)	Area(ac)
70.270	0.0010
74.000	1.4800
76.000	1.7200
78.000	1.9300
80.000	2.2900

Name: 13L2800N Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13L Warn Stage(ft): 77.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3000N Base Flow(cfs): 0.000 Init Stage(ft): 72.400
Group: 13L Warn Stage(ft): 77.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3100N Base Flow(cfs): 0.000 Init Stage(ft): 72.750
Group: 13L Warn Stage(ft): 80.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3140P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13L Warn Stage(ft): 84.550
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0100
81.750	3.7804
82.950	4.3588

83.950	4.8582
84.950	5.5824
85.950	6.1121
86.950	7.3624

Name: 13M0300N Base Flow(cfs): 0.000 Init Stage(ft): 50.900
Group: 13M Warn Stage(ft): 54.550
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13M0850N Base Flow(cfs): 0.000 Init Stage(ft): 50.910
Group: 13M Warn Stage(ft): 57.280
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M0950N Base Flow(cfs): 0.000 Init Stage(ft): 51.520
Group: 13M Warn Stage(ft): 56.260
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M0970N Base Flow(cfs): 0.000 Init Stage(ft): 51.940
Group: 13M Warn Stage(ft): 55.810
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M0990P Base Flow(cfs): 0.000 Init Stage(ft): 57.640
Group: 13M Warn Stage(ft): 57.950
Type: Stage/Area

Stage(ft)	Area(ac)
54.600	0.2500
57.950	0.2500
58.950	0.2500
59.050	0.7500
59.950	1.1500

Name: 13M1100N Base Flow(cfs): 0.000 Init Stage(ft): 52.650
Group: 13M Warn Stage(ft): 56.350
Type: Stage/Area

Stage(ft)	Area(ac)
56.350	0.6900
56.950	1.0300
57.950	1.3800

Name: 13M1200N Base Flow(cfs): 0.000 Init Stage(ft): 54.250
Group: 13M Warn Stage(ft): 56.850
Type: Stage/Area

Stage(ft)	Area(ac)
56.850	0.0000
58.950	0.3700

Name: 13M1400N Base Flow(cfs): 0.000 Init Stage(ft): 54.730
Group: 13M Warn Stage(ft): 58.580
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13M1500N Base Flow(cfs): 0.000 Init Stage(ft): 55.260
Group: 13M Warn Stage(ft): 58.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13M1520P Base Flow(cfs): 0.000 Init Stage(ft): 59.950
Group: 13M Warn Stage(ft): 61.450
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	0.1000
61.450	0.1000
61.550	0.8500
61.950	1.0000

Name: 13M1600N Base Flow(cfs): 0.000 Init Stage(ft): 56.000
Group: 13M Warn Stage(ft): 61.040
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M1925P Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13M Warn Stage(ft): 66.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	0.5000
66.950	0.5000
68.950	0.8000

Name: 13M2317N Base Flow(cfs): 0.000 Init Stage(ft): 55.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)

Stage(ft)	Area(ac)
55.910	0.0500
999.000	0.0500

```
      Name: 13M2318N            Base Flow(cfs): 0.000          Init Stage(ft): 57.240
     Group: 13M                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)

      Stage(ft)        Area(ac)
--------------- ---------------
         57.240          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13M2319N            Base Flow(cfs): 0.000          Init Stage(ft): 58.020
     Group: 13M                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-30

      Stage(ft)        Area(ac)
--------------- ---------------
         58.020          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13M2320N            Base Flow(cfs): 0.000          Init Stage(ft): 58.170
     Group: 13M                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-28

      Stage(ft)        Area(ac)
--------------- ---------------
         58.170          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13M2330P            Base Flow(cfs): 0.000          Init Stage(ft): 65.250
     Group: 13M                                                Warn Stage(ft): 68.000
      Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area to match current terrain

      Stage(ft)        Area(ac)
--------------- ---------------
         65.000          0.4200
         66.000          0.5100
         67.000          0.5700
         68.000          0.6700
         69.000          1.3300

-------------------------------------------------------------------------------------
      Name: 13M2331N            Base Flow(cfs): 0.000          Init Stage(ft): 66.700
     Group: 13M                                                Warn Stage(ft): 0.000
      Type: Stage/Area

New Node
Ditch near Pond 2
GCS_1037_SD (NAVD 29)


      Stage(ft)        Area(ac)
--------------- ---------------
         66.000          0.0100
         68.000          0.0190
         69.000          0.1100
         70.000          0.2700

-------------------------------------------------------------------------------------
      Name: 13M2332P            Base Flow(cfs): 0.000          Init Stage(ft): 73.220
     Group: 13M                                                Warn Stage(ft): 74.450
      Type: Stage/Area

Revision
Updated initial stage to match control elev.
Updated stage/are to match current terrain

      Stage(ft)        Area(ac)
--------------- ---------------
```

69.790	0.0100
70.290	0.0820
70.790	0.0950
71.290	0.0980
71.790	0.1060
72.290	0.1110
72.790	0.1190
73.290	0.1290
73.790	0.1390
74.290	0.1530
74.790	0.1960
75.290	0.2790
75.790	0.3880
76.290	0.4980
76.790	0.6000

Name: 13M2333N Base Flow(cfs): 0.000 Init Stage(ft): 62.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Added
GCS_1037_SD (NGVD 29)
S-36

Stage(ft)	Area(ac)
62.910	0.0500
999.000	0.0500

Name: 13M2334N Base Flow(cfs): 0.000 Init Stage(ft): 65.250
Group: 13M Warn Stage(ft): 67.860
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-32

Stage(ft)	Area(ac)
59.220	0.0100
67.860	0.0100

Name: 13M2335N Base Flow(cfs): 0.000 Init Stage(ft): 64.000
Group: 13M Warn Stage(ft): 70.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-44; Stage area based on DEM

Stage(ft)	Area(ac)
64.000	0.0010
68.890	0.0010
69.390	0.0010
69.890	0.0010
70.390	0.0050
70.890	0.0160
71.390	0.0650
71.890	0.1660
72.390	0.2340
72.890	0.3150
73.390	0.4750
73.890	0.8400
74.390	1.3840
74.890	1.5850
75.390	1.6830
75.890	1.7170
76.390	1.7440
76.890	1.7710
77.390	1.8100
77.890	1.8550
78.390	1.9160
78.890	1.9380
79.390	1.9590
79.890	1.9860
80.390	2.0180
80.890	2.0710
81.390	2.0990

81.890	2.1110
82.390	2.1360
82.890	2.1530
83.390	2.1610
83.890	2.1680
84.390	2.1760
84.980	2.1860
94.980	2.1860

Name: 13M2340P Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13M Warn Stage(ft): 70.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
69.540	0.0010
70.040	1.7880
70.540	1.8720
71.040	1.9480
71.540	2.1170
72.040	2.7730
72.540	3.2560
73.040	3.7410
73.540	4.2130
74.040	4.7240
74.540	5.1980
75.040	5.6420
75.540	6.0320
76.040	6.5030
76.540	7.0140
77.040	7.5120
77.540	7.9990
78.040	8.4020
78.540	8.7250
79.040	8.9570
79.540	9.1710
80.040	9.3840
80.540	9.6410
81.040	9.9040
81.540	10.1970
82.040	10.6110
82.540	11.0540
83.040	11.5110
83.540	11.8860
84.040	12.2540
84.540	12.6600
85.040	13.0870
85.540	13.6090
86.040	14.2270
86.540	14.6050
87.040	14.9420
87.540	15.3370
88.040	15.9170
88.540	16.5160
89.040	17.2740
89.540	17.9570
90.040	19.0270
90.540	19.9320
91.040	20.8070
91.540	21.3890
92.040	22.1120
92.540	22.7370
93.040	23.0890
93.540	23.7600
94.040	24.2660
94.540	24.5930
95.040	25.0100
95.540	25.1480
96.210	25.1910
106.210	25.1910

Name: 13N0050P Base Flow(cfs): 0.000 Init Stage(ft): 52.340
Group: 13N Warn Stage(ft): 60.000
Type: Stage/Area

Added
pond
field recon by BRW/CLR on 12/7/15 - determined to be a closed basin
initital stage estimated from terrain; Stage area based on DEM

Stage(ft)	Area(ac)

52.340	0.0010
52.840	1.4800
53.340	1.5270
53.840	1.6040
54.340	1.6860
54.840	1.7710
55.340	1.8570
55.840	1.9670
56.340	2.1600
56.840	2.5410
57.340	3.1700
57.840	3.8650
58.340	4.8820
58.840	6.0270
59.340	7.8600
59.840	9.2330
60.340	10.6810
60.840	12.4280
61.340	14.5940
61.840	16.8430
62.340	18.9130
62.840	21.2710
63.340	23.4780
63.840	25.6850
64.340	27.7830
64.840	29.8970
65.340	31.4700
65.840	32.2000
66.340	32.7940
66.840	33.3050
67.340	33.6950
67.840	34.0470
68.340	34.3150
68.840	34.6340
69.340	35.0280
69.840	35.4790
70.340	35.8570
70.840	36.1310
71.340	36.2880
71.840	36.4580
72.340	36.5660
73.050	36.6320

Name: 13N0100P Base Flow(cfs): 0.000 Init Stage(ft): 52.040
Group: 13N Warn Stage(ft): 55.500
Type: Stage/Area

Revision
Tract E
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.290	0.0010
51.790	1.7520
52.290	1.8420
52.790	1.9020
53.290	1.9890
53.790	2.1070
54.290	2.2270
54.790	2.3450
55.290	2.4770
55.790	2.7820
56.290	3.3330
56.790	4.2670
57.290	5.5200
57.790	6.9540
58.290	8.5390
58.790	10.1630
59.290	11.8610
59.790	12.9170
60.290	13.5430
60.790	13.8880
61.290	14.3840
61.790	15.0110
62.290	15.3870
62.790	15.6080
63.040	15.6180

Name: 13N0150N Base Flow(cfs): 0.000 Init Stage(ft): 50.960
Group: 13N Warn Stage(ft): 56.670

Type: Stage/Area

Revision
D110A
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.960	0.0100
999.000	0.0100

Name: 13N0200P Base Flow(cfs): 0.000 Init Stage(ft): 54.010
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
Tract F
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.460	0.0010
51.960	0.2060
52.460	0.6500
52.960	0.9960
53.460	1.3280
53.960	1.5840
54.460	1.9460
54.960	2.4950
55.460	2.7920
55.960	3.0770
56.460	3.3240
56.960	3.4330
57.460	3.4820
57.960	3.5190
58.460	3.5370
58.960	3.5420
59.280	3.5440

Name: 13N0250N Base Flow(cfs): 0.000 Init Stage(ft): 50.990
Group: 13N Warn Stage(ft): 56.500
Type: Stage/Area

Revision
D115
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.990	0.0500
999.000	0.0500

Name: 13N0300N Base Flow(cfs): 0.000 Init Stage(ft): 51.400
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

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GCS_1048_SD

Stage(ft)	Area(ac)
51.000	0.0500
999.000	0.0500

Name: 13N0301P Base Flow(cfs): 0.000 Init Stage(ft): 55.500
Group: 13N Warn Stage(ft): 58.600
Type: Stage/Area

Added
initial stage from terrian; Stage-area re-calculated; stage area based on DEM

Stage(ft)	Area(ac)
53.050	0.0010
53.550	0.1280
54.050	0.1530
54.550	0.1710
55.050	0.1890
55.550	0.2180
56.050	0.2470

56.550	0.2980
57.050	0.4610
57.550	0.9900
58.050	1.2960
58.550	1.9010
59.050	2.9160
59.550	4.0680
60.050	5.8400
60.550	7.6890
61.050	8.8820
61.550	9.7340
62.050	10.3780
62.550	11.0500
63.050	11.7950
63.550	12.4570
64.050	13.0620
64.550	13.4440
65.050	13.7280
65.550	13.8000
66.050	13.8810
66.550	13.9540
67.050	14.0390
67.550	14.0710
68.050	14.1010
68.550	14.1290
69.050	14.1720
69.550	14.2240
70.050	14.3170
70.550	14.3700
71.180	14.3900

Name: 13N0350N Base Flow(cfs): 0.000 Init Stage(ft): 51.460
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
S-121
GCS_1048_SD

Stage(ft)	Area(ac)
51.460	0.0500
999.000	0.0500

Name: 13N0400N Base Flow(cfs): 0.000 Init Stage(ft): 51.900
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0600N Base Flow(cfs): 0.000 Init Stage(ft): 51.910
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0700P Base Flow(cfs): 0.000 Init Stage(ft): 52.940
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract L
GCS_1048_SD (Assaumed NAVD 88)
Initial stage from LiDar; stage area based on DEM

Stage(ft)	Area(ac)
52.510	0.0010
53.010	0.0030
53.510	0.0170

54.010	0.4400
54.510	1.7970
55.010	2.7190
55.510	3.0830
56.010	3.3720
56.510	3.5950
57.010	3.8370
57.510	3.9700
58.010	4.0250
58.510	4.0500
59.010	4.0550
59.460	4.0590
69.460	4.0590

Name: 13N0750P Base Flow(cfs): 0.000 Init Stage(ft): 52.330
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Added
Pond
From field recon by BRW/CLR on 12/7/15 - see field notes
initial stage estimated from terrian

Stage(ft)	Area(ac)
52.270	0.0010
52.770	2.0670
53.270	2.6560
53.770	2.7050
54.270	2.7500
54.770	2.7750
55.270	2.8120
55.770	2.8480
56.270	2.8940
56.770	2.9630

Name: 13N0800P Base Flow(cfs): 0.000 Init Stage(ft): 52.260
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract J
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
51.470	0.0010
51.970	0.5310
52.470	0.6380
52.970	0.7030
53.470	0.7670
53.970	0.8290
54.470	0.8990
54.970	0.9680
55.470	1.0880
55.970	1.6290
56.470	2.4430
56.970	3.1470

Name: 13N0805N Base Flow(cfs): 0.000 Init Stage(ft): 51.630
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.630	0.0010
999.000	0.0010

Name: 13N0810N Base Flow(cfs): 0.000 Init Stage(ft): 51.620
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)

51.620	0.0010
999.000	0.0010

Name: 13N0900P Base Flow(cfs): 0.000 Init Stage(ft): 45.970
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Revision
Tract Q
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
45.970	0.1000
51.470	0.1000
51.970	0.8150
52.470	0.8640
52.970	0.9230
53.470	0.9820
53.970	1.0500
54.470	1.1200
54.970	1.1950
55.470	1.3730
55.970	1.7070
56.470	2.1260
56.970	2.8600

Name: 13P0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.110
Group: 13P Warn Stage(ft): 58.870
Type: Stage/Area

Revision
Upated initial stage to match control elev; stage area based on DEM

Stage(ft)	Area(ac)
55.110	0.0010
55.570	0.0010
56.070	0.0030
56.570	0.0040
57.070	0.0050
57.570	0.0110
58.070	0.0240
58.570	0.0490
59.070	0.1390
59.570	0.3330
60.070	0.6420
60.570	0.9510
61.070	1.1900
61.570	1.4900
62.070	1.6400
62.570	1.7850
63.070	1.8750
63.570	1.9360
64.070	1.9770
64.570	2.0010
65.070	2.0200
65.570	2.0430
66.070	2.0600
66.570	2.0700
67.070	2.0780
67.570	2.0870
68.070	2.0950
68.570	2.1050
68.840	2.1120

Name: 13P0450N Base Flow(cfs): 0.000 Init Stage(ft): 54.100
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added

Stage(ft)	Area(ac)
54.100	0.0500
999.000	0.0500

Name: 13P0500P Base Flow(cfs): 0.000 Init Stage(ft): 58.550

Group: 13P Warn Stage(ft): 65.250
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
57.950	0.0010
58.450	0.0950
58.950	0.3340
59.450	0.7290
59.950	1.3810
60.450	1.9400
60.950	2.6570
61.450	3.2130
61.950	3.8410
62.450	4.4150
62.950	5.0670
63.450	5.7280
63.950	6.4340
64.450	7.1890
64.950	7.8850
65.450	8.6610
65.950	9.4550
66.450	10.2570
66.950	11.0710
67.450	11.7250
67.950	12.5100
68.450	13.4050
68.950	14.2870
69.450	15.3930
69.950	16.5070
70.450	17.8230
70.950	18.7660
71.450	19.7060
71.950	20.8490
72.450	21.6610
72.950	22.3090
73.450	22.9250
73.950	23.5860
74.450	24.6380
74.950	25.3840
75.450	26.0680
75.950	26.9520
76.450	27.4540
76.950	27.9430
77.450	28.4180
77.950	29.1640
78.450	29.5970
78.950	29.7180
79.450	29.8160
79.950	29.9020
80.450	29.9690
80.950	30.0650
81.450	30.0990
82.030	30.1040

Name: 13P0501N Base Flow(cfs): 0.000 Init Stage(ft): 68.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage-area from DEM

Stage(ft)	Area(ac)
67.150	0.0010
67.650	0.0370
68.150	0.0860
68.650	0.1460
69.150	0.1990
69.650	0.2500
70.150	0.3060
70.650	0.3820
71.150	0.5000
71.650	0.6820
72.150	0.9140
72.650	1.1150
73.150	1.3760
73.650	1.6010
74.150	1.9780
74.650	2.3860
75.150	2.7120
75.650	3.0020
76.150	3.2390

76.650	3.6600
77.150	4.0010
77.650	4.3760
78.150	4.4910
78.650	4.5070
79.150	4.5190
79.700	4.5310

Name: 13P0800N Base Flow(cfs): 0.000 Init Stage(ft): 63.160
Group: 13P Warn Stage(ft): 69.180
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
67.690	0.0010
68.190	0.0020
68.690	0.0070
69.190	0.0150
69.690	0.0340
70.190	0.0400
70.690	0.0690
71.190	0.1310
71.690	0.2240
72.190	0.3980
72.690	0.4450
73.190	0.5050
73.690	0.5540
74.190	0.6060
74.690	0.6090
75.160	0.6110
85.160	0.6110

Name: 13P0900N Base Flow(cfs): 0.000 Init Stage(ft): 66.200
Group: 13P Warn Stage(ft): 70.150
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
66.200	0.0010
67.930	0.0010
68.430	0.0010
68.930	0.0190
69.430	0.0610
69.930	0.1490
70.430	0.3210
70.930	0.4650
71.430	0.6300
71.930	0.8140
72.430	1.1360
72.930	1.5860
73.430	2.1150
73.930	2.6030
74.430	3.2510
74.930	4.0310
75.430	4.7730
75.930	5.5350
76.430	6.1110
76.930	6.7090
77.430	7.3200
77.930	7.6370
78.430	7.9480
78.930	8.2980
79.430	8.6440
79.930	8.7990
80.430	8.8960
80.930	8.9850
81.430	9.0830
81.930	9.1840
82.430	9.2940
82.930	9.3940
83.430	9.4690
83.930	9.5700
84.430	9.7380
84.930	9.8890
85.430	10.1270
85.930	10.3060
86.430	10.4020
86.930	10.4940
87.430	10.6750

87.930	10.9570
88.430	11.3050
88.930	11.5760
89.430	11.8030
89.710	11.8210
99.710	11.8210

Name: 13P0950N Base Flow(cfs): 0.000 Init Stage(ft): 67.310
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision

Stage(ft)	Area(ac)
67.310	0.0500
999.000	0.0500

Name: 13P1000N Base Flow(cfs): 0.000 Init Stage(ft): 68.700
Group: 13P Warn Stage(ft): 71.250
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.700	0.0010
69.020	0.0010
69.520	0.0070
70.020	0.0230
70.520	0.0520
71.020	0.1000
71.520	0.1590
72.020	0.2190
72.520	0.2640
73.020	0.3330
73.520	0.4210
74.020	0.6350
74.520	1.0100
75.020	1.3410
75.520	1.8300
76.020	2.4720
76.520	2.8540
77.020	3.2460
77.520	3.5840
78.020	3.8450
78.520	4.0170
79.020	4.1860
79.520	4.4630
80.020	4.6560
80.520	4.9940
81.020	5.2960
81.520	5.5580
82.020	5.8080
82.520	6.0300
83.020	6.2910
83.520	6.5520
84.020	6.8060
84.520	7.1010
85.020	7.5630
85.520	7.9700
86.020	8.2820
86.520	8.6510
87.020	9.0640
87.520	9.5880
88.020	10.0740
88.520	10.5040
89.020	10.7670
89.520	10.9520
90.020	11.1280
90.520	11.3520
91.020	11.3890
91.520	11.4100
92.020	11.4330
92.560	11.4540

Name: 13P1200N Base Flow(cfs): 0.000 Init Stage(ft): 70.930
Group: 13P Warn Stage(ft): 74.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
69.790	0.0010
70.290	0.0390
70.790	0.0790
71.290	0.1170
71.790	0.1490
72.290	0.1730
72.790	0.2020
73.290	0.2310
73.790	0.2770
74.290	0.3700
74.790	0.6080
75.290	0.8640
75.790	1.1520
76.290	1.4870
76.790	1.8240
77.290	2.2250
77.790	2.6270
78.290	2.9940
78.790	3.3570
79.290	3.6710
79.790	3.9000
80.290	4.0290
80.790	4.1260
81.530	4.1900
91.530	4.1900

Name: 13P1250N Base Flow(cfs): 0.000 Init Stage(ft): 71.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.000	0.0900
73.000	0.2200
74.000	0.3000
75.000	0.7100
76.000	1.4100

Name: 13P1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.450
Group: 13P Warn Stage(ft): 77.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
72.450	0.0010
73.310	0.0010
73.810	0.0020
74.310	0.0240
74.810	0.2050
75.310	0.3040
75.810	0.3760
76.310	0.5230
76.810	0.5580
77.310	0.5940
77.810	0.6450
78.310	0.8290
78.810	1.0540
79.310	1.1400
79.810	1.1550
80.310	1.1570
80.810	1.1600
81.260	1.1620
91.260	1.1620

Name: 13P1400N Base Flow(cfs): 0.000 Init Stage(ft): 74.040
Group: 13P Warn Stage(ft): 78.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1600N Base Flow(cfs): 0.000 Init Stage(ft): 75.240
Group: 13P Warn Stage(ft): 79.280
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1650N Base Flow(cfs): 0.000 Init Stage(ft): 75.700
Group: 13P Warn Stage(ft): 79.650
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.990	0.0010
75.490	0.0140
75.990	0.0250
76.490	0.0320
76.990	0.0380
77.490	0.0440
77.990	0.0520
78.490	0.0680
78.990	0.1370
79.490	0.4510
79.990	0.5800
80.490	0.7550
80.990	1.0030
81.490	1.2040
81.990	1.2870
82.490	1.3360
82.990	1.3810
83.490	1.4290
83.990	1.4880
84.490	1.5520
84.990	1.6590
85.490	1.7800
85.890	1.8030
95.890	1.8030

Name: 13P1700N Base Flow(cfs): 0.000 Init Stage(ft): 76.010
Group: 13P Warn Stage(ft): 80.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1800P Base Flow(cfs): 0.000 Init Stage(ft): 76.490
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.520	0.0010
75.020	2.0120
75.520	2.1380
76.020	2.2100
76.520	2.2690
77.020	2.3200
77.520	2.3730
78.020	2.4690
78.520	2.5980
79.020	2.8310
79.520	3.2790
80.020	4.0690
80.520	4.7780
81.020	5.7770
81.520	6.9740
82.020	7.2970
82.520	7.5280
83.020	7.8130
83.520	8.0790

84.020	8.3410
84.520	8.6170
85.020	8.9330
85.520	9.2720
86.020	9.5050
86.520	9.6690
87.020	9.7930
87.520	9.8480
88.020	9.8890
88.520	9.9040
89.020	9.9160
89.520	9.9250
90.020	9.9320
90.730	9.9340
100.730	9.9340

Name: 13P1810P Base Flow(cfs): 0.000 Init Stage(ft): 82.500
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
Pond 3 - see sheet 101
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
75.500	0.0500
76.970	0.0500
77.470	0.6190
77.970	0.6580
78.470	0.6850
78.970	0.7070
79.470	0.7330
79.970	0.7640
80.470	0.7950
80.970	0.8380
81.470	0.8980
81.970	0.9560
82.470	1.0200
82.970	1.0900
83.470	1.1560
83.970	1.2260
84.470	1.3070
84.970	1.3950
85.470	1.4970
85.970	1.6230
86.470	1.7930
86.970	1.9820
87.470	2.1530
87.970	2.4000

Name: 13P1811N Base Flow(cfs): 0.000 Init Stage(ft): 82.500
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1812N Base Flow(cfs): 0.000 Init Stage(ft): 81.700
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1813N Base Flow(cfs): 0.000 Init Stage(ft): 81.140
Group: 13P Warn Stage(ft): 86.000
Type: Stage/Area

ADDED
Estimated d/s invert from terrian
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
MES to open channel

Stage(ft)	Area(ac)
81.400	0.0500
999.000	0.0500

Name: 13P1814N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13P Warn Stage(ft): 87.500
Type: Stage/Area

added - Grassy Lake outfall
discharge confirmed by BRW/CLR ON 12/7/15 - see notes
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)

Stage(ft)	Area(ac)
78.590	0.0500
999.000	0.0500

Name: 13P1815N Base Flow(cfs): 0.000 Init Stage(ft): 74.940
Group: 13P Warn Stage(ft): 83.790
Type: Stage/Area

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
warning stage based on parking lot elevation
ESA

Stage(ft)	Area(ac)
74.940	0.0500
999.000	0.0500

Name: 13P1820N Base Flow(cfs): 0.000 Init Stage(ft): 79.150
Group: 13P Warn Stage(ft): 89.600
Type: Stage/Area

Modified
updated initial stage from Survey - Lochrane 07/09/15 - Bainbridge at Casselberry Apartments (NAVD 88)

Stage(ft)	Area(ac)
80.800	0.0100
98.940	0.0100

Name: 13P1822N Base Flow(cfs): 0.000 Init Stage(ft): 81.150
Group: 13P Warn Stage(ft): 91.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P1824N Base Flow(cfs): 0.000 Init Stage(ft): 82.650
Group: 13P Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2010N Base Flow(cfs): 0.000 Init Stage(ft): 81.890
Group: 13P Warn Stage(ft): 90.050
Type: Stage/Area

Updated initial stage based on survey
GCS_1046_SD (NAVD 88)
DM 6183

Stage(ft)	Area(ac)
81.890	0.0100
999.000	0.0100

Name: 13P2050N Base Flow(cfs): 0.000 Init Stage(ft): 83.200
Group: 13P Warn Stage(ft): 90.050
Type: Stage/Area

Stage(ft)	Area(ac)
82.950	0.0500
88.950	0.4872
89.950	1.6958
90.950	2.7892

Name: 13P2200N Base Flow(cfs): 0.000 Init Stage(ft): 84.780
Group: 13P Warn Stage(ft): 87.350
Type: Stage/Area

Updated initial stage pipe invert

Stage(ft)	Area(ac)
84.780	0.0500
999.000	0.0500

Name: 13P2300P Base Flow(cfs): 0.000 Init Stage(ft): 87.800
Group: 13P Warn Stage(ft): 92.000
Type: Stage/Area

Added
Pond 2 - see sheet 100
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
75.800	0.0500
85.310	0.0500
85.810	0.5290
86.310	0.5600
86.810	0.5890
87.310	0.6290
87.810	0.6700
88.310	0.7320
88.810	0.8110
89.310	0.8990
89.810	0.9910
90.310	1.0920
90.810	1.2020
91.310	1.3110
91.810	1.4390
92.310	1.5750
92.810	1.7610
93.310	2.0170

Name: 13P2350N Base Flow(cfs): 0.000 Init Stage(ft): 83.600
Group: 13P Warn Stage(ft): 91.940
Type: Stage/Area

Added
S-100: See sheets 99, 58
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
83.600	0.0500
999.000	0.0500

Name: 13P2400P Base Flow(cfs): 0.000 Init Stage(ft): 82.400
Group: 13P Warn Stage(ft): 92.300
Type: Stage/Area

Added
Pond 1 - see sheet 99
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.410	0.0500
85.660	0.0500
86.160	0.2920
86.660	0.3420
87.160	0.3900
87.660	0.5600
88.160	0.7770
88.660	0.8570
89.160	1.1330
89.660	1.3100

Name: 13P2410N Base Flow(cfs): 0.000 Init Stage(ft): 87.800
Group: 13P Warn Stage(ft): 93.170
Type: Stage/Area

Added
DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.400	0.0500
999.000	0.0500

Name: 13P2420N Base Flow(cfs): 0.000 Init Stage(ft): 87.400
Group: 13P Warn Stage(ft): 93.170
Type: Stage/Area

Added
DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.400	0.0500
999.000	0.0500

Name: 13P2620N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 89.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2640N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 89.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2643N Base Flow(cfs): 0.000 Init Stage(ft): 84.950
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2644N Base Flow(cfs): 0.000 Init Stage(ft): 87.550
Group: 13P Warn Stage(ft): 92.950
Type: Stage/Area

Stage(ft)	Area(ac)

```
--------------- ---------------
        -1.050          0.0100
        98.940          0.0100

-------------------------------------------------------------------------------------------
     Name: 13P2646N            Base Flow(cfs): 0.000         Init Stage(ft): 88.450
    Group: 13P                                               Warn Stage(ft): 92.950
     Type: Stage/Area


     Stage(ft)        Area(ac)
--------------- ---------------
        -1.050          0.0100
        98.940          0.0100

-------------------------------------------------------------------------------------------
     Name: 13P2660P            Base Flow(cfs): 0.000         Init Stage(ft): 84.350
    Group: 13P                                               Warn Stage(ft): 88.950
     Type: Stage/Area


     Stage(ft)        Area(ac)
--------------- ---------------
        83.950          0.0500
        86.950          0.2469
        86.960          0.6317
        87.950          5.9604
        88.950         10.5940
        89.950         15.3057

-------------------------------------------------------------------------------------------
     Name: 13P2661P            Base Flow(cfs): 0.000         Init Stage(ft): 88.750
    Group: 13P                                               Warn Stage(ft): 89.050
     Type: Stage/Area


     Stage(ft)        Area(ac)
--------------- ---------------
        87.950          0.0500
        88.950          1.6046
        89.950          7.1643

-------------------------------------------------------------------------------------------
     Name: 13P3100P            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
    Group: GEE                                               Warn Stage(ft): 0.000
     Type: Time/Stage


     Time(hrs)       Stage(ft)
--------------- ---------------
          0.00           0.000
        999.00           0.000

-------------------------------------------------------------------------------------------
     Name: 13P3120N            Base Flow(cfs): 0.000         Init Stage(ft): 88.740
    Group: GEE                                               Warn Stage(ft): 94.440
     Type: Stage/Area


     Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
     Name: 13P3150N            Base Flow(cfs): 0.000         Init Stage(ft): 89.050
    Group: GEE                                               Warn Stage(ft): 93.610
     Type: Stage/Area


     Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
     Name: 13P3250N            Base Flow(cfs): 0.000         Init Stage(ft): 85.570
    Group: GEE                                               Warn Stage(ft): 94.120
     Type: Stage/Area


     Stage(ft)        Area(ac)
```

--- ---

Name: 13P3300N Base Flow(cfs): 0.000 Init Stage(ft): 84.400
Group: GEE Warn Stage(ft): 94.910
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 13P3350N Base Flow(cfs): 0.000 Init Stage(ft): 81.900
Group: GEE Warn Stage(ft): 93.160
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 13P3400P Base Flow(cfs): 0.000 Init Stage(ft): 81.330
Group: GEE Warn Stage(ft): 94.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 13P3450N Base Flow(cfs): 0.000 Init Stage(ft): 89.190
Group: GEE Warn Stage(ft): 90.980
Type: Stage/Area

Stage(ft)	Area(ac)
50.000	0.0500
100.000	0.0500

Name: 13P3500N Base Flow(cfs): 0.000 Init Stage(ft): 83.260
Group: GEE Warn Stage(ft): 90.560
Type: Stage/Area

Stage(ft)	Area(ac)
83.260	0.0030
999.000	0.0030

Name: 13Q0500N Base Flow(cfs): 0.000 Init Stage(ft): 83.900
Group: 13Q Warn Stage(ft): 88.650
Type: Stage/Area

Stage(ft)	Area(ac)
83.900	1.3330
89.950	4.1750

Name: 13Q0820P Base Flow(cfs): 0.000 Init Stage(ft): 85.800
Group: 13Q Warn Stage(ft): 89.050
Type: Stage/Area

Revision
Updated inital stage to control elev.
Updated stage/area

Stage(ft)	Area(ac)
79.000	0.8950
83.000	1.1020
85.000	1.1400
87.000	1.4510
89.000	1.8380

```
-----------------------------------------------------------------------------------------
      Name: 13Q0821N            Base Flow(cfs): 0.000          Init Stage(ft): 84.410
     Group: 13Q                                                Warn Stage(ft): 87.000
      Type: Stage/Area

Revision
Structure S-122
GCS_1046_SD

      Stage(ft)        Area(ac)
--------------- ---------------
         84.410          0.0400
         85.760          0.0600

-----------------------------------------------------------------------------------------
      Name: 13Q0822N            Base Flow(cfs): 0.000          Init Stage(ft): 83.300
     Group: 13Q                                                Warn Stage(ft): 89.850
      Type: Stage/Area

Revision
Structure S-115
GCS_1046_SD


      Stage(ft)        Area(ac)
--------------- ---------------
         83.300          0.0100
        999.000          0.0100

-----------------------------------------------------------------------------------------
      Name: 13Q0840P            Base Flow(cfs): 0.000          Init Stage(ft): 86.000
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
Updated inital stage and stage/area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.600          0.0010
         84.100          0.1690
         84.600          1.0720
         85.100          1.5230
         85.600          1.7900
         86.100          2.0630
         86.600          2.4090
         87.100          2.6340

-----------------------------------------------------------------------------------------
      Name: 13Q0860P            Base Flow(cfs): 0.000          Init Stage(ft): 87.780
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
Updated initial stage to match control elevation
Updated stage/area

      Stage(ft)        Area(ac)
--------------- ---------------
         81.750          0.1640
         82.250          0.1780
         82.750          0.1970
         83.250          0.2360
         83.750          0.4030
         84.250          0.6630
         84.750          1.0300
         85.250          1.4270
         85.750          1.8100
         86.250          2.2190
         86.750          2.7140
         87.250          3.2870
         87.750          4.1160
         88.250          4.7640
         88.750          5.4830

-----------------------------------------------------------------------------------------
      Name: 13Q0861N            Base Flow(cfs): 0.000          Init Stage(ft): 86.090
     Group: 13Q                                                Warn Stage(ft): 89.010
      Type: Stage/Area

Renamed from GROUND (Time/stage)
Casselberry City Infrstructure (Assumed NAVD 88)
inital stage from infrastructure
```

Stage(ft)	Area(ac)
86.090	0.0500
999.000	0.0500

Name: 13Q0865N Base Flow(cfs): 0.000 Init Stage(ft): 85.320
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
85.320	0.0500
999.000	0.0500

Name: 13Q0870P Base Flow(cfs): 0.000 Init Stage(ft): 86.170
Group: 13Q Warn Stage(ft): 88.000
Type: Stage/Area

Added
Pond
Field Recon by BRW/CLR on 12/7/15

Stage(ft)	Area(ac)
82.160	0.0010
82.660	0.7520
83.160	0.7800
83.660	0.8320
84.160	0.8960
84.660	1.0700
85.160	1.2560
85.660	1.4680
86.160	1.7340
86.660	2.0290
87.160	2.4390
87.660	3.1330
88.160	4.3370

Name: 13Q0875N Base Flow(cfs): 0.000 Init Stage(ft): 84.900
Group: 13Q Warn Stage(ft): 90.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
84.900	0.0500
999.000	0.0500

Name: 13Q0880N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
84.350	0.0500
999.000	0.0500

Name: 13Q0885N Base Flow(cfs): 0.000 Init Stage(ft): 82.930
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
82.930	0.0500
999.000	0.0500

Name: 13Q0890N Base Flow(cfs): 0.000 Init Stage(ft): 82.830

```
     Group: 13Q                                              Warn Stage(ft): 89.820
      Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         82.830          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13Q0895N            Base Flow(cfs): 0.000          Init Stage(ft): 78.600
     Group: 13Q                                              Warn Stage(ft): 87.110
      Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

      Stage(ft)        Area(ac)
--------------- ---------------
         75.110          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13Q0896N            Base Flow(cfs): 0.000          Init Stage(ft): 82.280
     Group: 13Q                                              Warn Stage(ft): 87.110
      Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

      Stage(ft)        Area(ac)
--------------- ---------------
         75.110          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13Q0924P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                              Warn Stage(ft): 88.950
      Type: Stage/Area

Revision
Updated initial stage to control elev
updated stage/area calcs

      Stage(ft)        Area(ac)
--------------- ---------------
         80.000          0.4420
         82.000          0.5860
         85.000          0.6610
         87.000          0.8386
         89.000          1.1279

-------------------------------------------------------------------------------------
      Name: 13Q0940P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                              Warn Stage(ft): 88.950
      Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area

      Stage(ft)        Area(ac)
--------------- ---------------
         80.000          0.3940
         83.000          0.5330
         85.000          0.6080
         87.000          0.7780
         89.000          1.0600

-------------------------------------------------------------------------------------
      Name: 13Q2290P            Base Flow(cfs): 0.000          Init Stage(ft): 78.620
     Group: 13Q                                              Warn Stage(ft): 85.950
      Type: Stage/Area

Added
GCS_1041_CP (NGVD 29)
PDF PG 38

      Stage(ft)        Area(ac)
```

```
--------------- ---------------
         69.950          0.9400
         78.500          1.0530
         82.000          1.3890
         84.000          1.5790
         86.000          1.8430
         88.000          2.2500

-------------------------------------------------------------------------------------------
      Name: 13Q2291N            Base Flow(cfs): 0.000          Init Stage(ft): 78.370
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 23 Structure 9

      Stage(ft)        Area(ac)
--------------- ---------------
         77.400          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q2292N            Base Flow(cfs): 0.000          Init Stage(ft): 76.720
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

      Stage(ft)        Area(ac)
--------------- ---------------
         76.720          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q2293N            Base Flow(cfs): 0.000          Init Stage(ft): 75.400
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

      Stage(ft)        Area(ac)
--------------- ---------------
         75.400          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q2294N            Base Flow(cfs): 0.000          Init Stage(ft): 71.900
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

      Stage(ft)        Area(ac)
--------------- ---------------
         71.900          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q2295N            Base Flow(cfs): 0.000          Init Stage(ft): 71.900
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

      Stage(ft)        Area(ac)
--------------- ---------------
         71.900          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q2296N            Base Flow(cfs): 0.000          Init Stage(ft): 72.120
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
```

Stage(ft)	Area(ac)
72.120	0.0500
999.000	0.0500

Name: 13Q2300P Base Flow(cfs): 0.000 Init Stage(ft): 71.350
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)
71.350	0.1000
72.000	0.3490
73.000	0.4720
74.000	0.5010
75.000	0.5280
76.000	0.5510
77.000	0.7350
78.000	0.8450

Name: CEMETERY Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13F Warn Stage(ft): 63.550
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.9713
60.950	1.4276
61.950	1.9834
62.950	2.8499
63.950	4.6656

Name: CONCORD Base Flow(cfs): 0.500 Init Stage(ft): 55.950
Group: 13M Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	17.9560
56.950	19.9516
57.950	21.2131
58.950	22.3080
59.950	24.5515

Name: CRYSTBWL Base Flow(cfs): 0.000 Init Stage(ft): 58.250
Group: 13N Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	7.6810
58.950	8.3421
59.950	9.0601
60.950	9.7166
61.950	10.4017
62.950	11.0941
63.950	12.2905
64.950	14.5440

Name: DUCKPOND Base Flow(cfs): 0.000 Init Stage(ft): 48.850
Group: 13F Warn Stage(ft): 57.250
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.7600
51.950	0.7638
54.950	1.1914

55.950	1.3259
56.950	1.5474
57.950	2.2529
58.950	3.3766

Name: ELLEN Base Flow(cfs): 0.000 Init Stage(ft): 64.850
Group: 13M Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	4.6700
64.950	5.1800
65.950	5.7560
66.950	6.3960
67.950	7.0247
68.950	7.5702
69.950	8.1380
70.950	8.7480

Name: EVERGRN Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
56.950	1.5300
58.040	2.2308
58.950	3.2473
59.950	3.7288
60.950	4.2145
61.950	4.6767
62.950	5.2000
63.950	5.7800

Name: FAIRY Base Flow(cfs): 0.900 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	45.3910
52.130	50.4351
52.950	52.8165
53.950	55.4116
54.950	58.1505
55.950	61.5913
56.950	65.8391
57.950	71.8718
58.950	80.0927

Name: FERN Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	3.1860
61.950	3.5390
62.950	3.9311
63.950	4.4455
64.950	4.4500

Name: GEM Base Flow(cfs): 0.000 Init Stage(ft): 70.950
Group: 13I Warn Stage(ft): 73.350
Type: Stage/Area

Stage(ft)	Area(ac)
70.150	4.0457

70.950	4.5105
71.950	5.0185
72.950	5.9041
73.950	8.0343

Name: GRASSY Base Flow(cfs): 0.400 Init Stage(ft): 82.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	4.4600
81.950	4.9600
82.950	5.0713
83.950	11.9570
84.950	12.7708
85.950	13.4899
86.950	14.2498

Name: GRIFFIN Base Flow(cfs): 0.300 Init Stage(ft): 74.750
Group: 13K Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
73.950	15.0370
74.950	15.0372
75.950	18.2976
76.950	22.2679
77.950	27.1000

Name: HODGE Base Flow(cfs): 0.000 Init Stage(ft): 51.450
Group: 13H Warn Stage(ft): 53.050
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	18.1678
50.950	20.1181
51.950	21.9942
52.950	23.9954
53.950	25.8800
54.950	27.9000

Name: IRENE-N Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	7.2500
54.950	8.1116
55.950	9.0658
56.950	10.0399
57.950	10.8952
58.950	11.8569
59.950	13.1170
60.950	14.1115
63.950	17.5500

Name: IRENE-S Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	4.1200
54.950	4.5971
55.950	5.1386
56.950	5.6750

57.950	6.1260
58.950	6.5877
59.950	7.5313
60.950	9.0024
63.950	15.3700

Name: JANE Base Flow(cfs): 0.000 Init Stage(ft): 63.850
Group: 13I Warn Stage(ft): 66.050
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	0.9200
62.950	1.3500
64.950	1.9727
65.950	2.3051
66.950	2.7961
67.950	3.1247

Name: JESUP Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	8.750
99.00	8.750

Name: KATHRYN Base Flow(cfs): 9.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	50.7400
47.950	56.3770
48.950	62.6410
49.950	69.6016
50.950	78.3770
51.950	81.7231
52.950	86.2032
53.950	94.8745
54.950	109.9357

Name: LOST Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
49.300	0.0010
49.800	12.5200
50.300	13.9250
50.800	14.5700
51.300	15.3490
51.800	16.9160
52.300	19.2240
52.800	20.7270
53.300	21.9630
53.800	22.8660
54.300	23.6330
54.800	24.4100
55.300	25.2680
55.800	26.1090
56.300	27.4030
56.800	29.4670
57.300	31.8220
57.800	32.9640
58.300	33.5920
58.800	33.8580
59.300	34.2650
59.800	34.7750
60.300	35.1350

60.800	35.4180
61.300	35.7510
61.800	36.1210
62.300	36.3210
62.800	36.4860
63.300	36.4930
73.300	36.4930

Name: LOTUS Base Flow(cfs): 0.000 Init Stage(ft): 82.950
Group: 13K Warn Stage(ft): 85.850
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	3.7637
82.950	4.1584
83.950	4.5544
84.950	5.3459
85.950	6.8663

Name: LPRAIRIE Base Flow(cfs): 0.000 Init Stage(ft): 91.250
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
88.950	1.6148
91.250	1.6148
91.950	6.8233
92.950	11.7850

Name: LWILDMER Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 63.450
Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.0408
59.950	4.5894
60.950	6.1631
61.950	7.7773
62.950	10.2403
63.950	14.9519

Name: MALTBIE Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13P Warn Stage(ft): 83.950
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	3.9200
80.950	3.9200
82.050	4.3529
83.950	5.0094
86.950	8.3265
87.950	22.2858
88.950	26.2556
89.950	30.0558
90.950	35.8311

Name: ORANGE Base Flow(cfs): 0.000 Init Stage(ft): 72.150
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.150	2.3647
72.950	2.7537
73.950	3.2152
74.950	4.0535

75.950	4.2500

Name: OXFORD Base Flow(cfs): 0.000 Init Stage(ft): 68.450
Group: 13L Warn Stage(ft): 72.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.450	0.0010
69.310	0.0010
69.810	0.8560
70.310	4.0980
70.810	5.2310
71.310	5.9130
71.810	6.4240
72.310	6.8750
72.810	7.3800
73.310	8.0520
73.810	8.8200
74.310	9.5490
74.810	10.3010
75.310	10.8640
75.810	11.5120
76.310	12.0910
76.810	12.5450
77.310	12.9960
77.810	13.6110
78.310	14.1860
78.810	14.3550
79.310	14.4360
79.810	14.5110
80.310	14.6300
80.810	14.8550
81.310	15.1450
81.810	15.4090
82.310	15.6140
82.810	15.7490
83.310	15.8840
83.810	16.0660
84.310	16.2030
84.810	16.3620
85.310	16.4810
85.810	16.5970
86.310	16.6900
86.810	16.7920
87.310	16.8720
87.810	16.9320
88.310	17.0020
88.810	17.0910
89.310	17.1920
89.810	17.3920
90.310	17.5950
90.810	17.8480
91.310	18.1050
91.810	18.3670
92.310	18.4780
92.810	18.5550
93.310	18.6000
93.810	18.6560
94.310	18.7170
94.560	18.7300

Name: PEARL Base Flow(cfs): 0.100 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	12.3456
86.950	15.4107
87.950	22.8788

Name: PINEYRDG Base Flow(cfs): 0.000 Init Stage(ft): 79.350
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
79.350	1.0594
83.950	1.0995
84.950	1.4995
85.950	1.9009
86.950	3.0423
87.950	4.9482
88.950	7.6141

Name: PLAZA Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13K Warn Stage(ft): 75.650
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	1.6285
72.950	2.0563
73.950	2.5946
74.950	3.2738
75.950	4.2904

Name: PRAIRIE Base Flow(cfs): 1.400 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 87.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	122.1010
84.950	126.7382
85.950	131.2661
86.950	142.8805
87.950	155.3361

Name: QUAIL Base Flow(cfs): 0.000 Init Stage(ft): 61.940
Group: 13M Warn Stage(ft): 65.950
Type: Stage/Area

Revision
Updated inital stage to match control elev

Stage(ft)	Area(ac)
59.950	3.5880
62.950	3.5880
63.950	3.9866
64.950	4.4206
65.950	4.9000

Name: QUEENS Base Flow(cfs): 1.200 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
49.300	0.0010
49.800	13.0620
50.300	13.2700
50.800	13.4790
51.300	13.9040
51.800	14.6370
52.300	15.5370
52.800	16.2740
53.300	17.0970
53.800	17.9640
54.300	18.6980
54.800	19.4420
55.300	20.1620
55.800	21.1310
56.300	21.9860
56.800	22.9640
57.300	23.9130
57.800	24.9330
58.300	25.9020
58.800	26.9570

59.300	28.5780
59.800	30.1430
60.300	31.3950
60.800	32.5280
61.300	33.4210
61.800	34.1490
62.300	34.8390
62.800	35.5940
63.300	36.2800
63.800	37.0150
64.300	37.5600
64.800	38.1200
65.300	38.6480
65.800	39.4540
66.300	40.2670
66.800	40.9420
67.300	41.4460
67.800	41.9710
68.300	42.4420
68.800	42.8490
69.300	43.3520
69.800	43.7440
70.300	43.9690
70.800	44.0280
71.310	44.0510
81.310	44.0510

Name: SECRET Base Flow(cfs): 0.100 Init Stage(ft): 50.901
Group: 13M Warn Stage(ft): 52.950
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	7.5830
49.950	8.3180
50.950	9.2440
51.950	12.8940
52.950	15.0680
53.950	21.3260
54.950	27.2880

Name: TRIPLT-M Base Flow(cfs): 0.600 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 51.950
Type: Stage/Area

Revision
Revised stage area; stage area based on DEM

Stage(ft)	Area(ac)
48.350	0.0010
49.190	0.0010
49.690	47.5930
50.190	52.6630
50.690	55.7990
51.190	58.4620
51.690	61.8240
52.190	66.1480
52.690	68.9620
53.190	71.7240
53.690	74.3580
54.190	77.3820
54.690	80.6160
55.190	83.8260
55.690	86.7460
56.190	89.8140
56.690	92.2130
57.190	94.5220
57.690	97.3380
58.190	99.4270
58.690	101.2790
59.190	102.4840
59.690	103.2830
60.190	103.8680
60.690	104.4340
61.190	105.0810
61.690	105.5680
62.190	106.0420
62.690	106.2950
63.190	106.3900
63.690	106.4640

64.190	106.5290
64.690	106.6100
65.190	106.7010
65.690	106.8170
66.190	106.9690
66.690	107.0760
67.190	107.1910
67.690	107.2180
68.190	107.2260
68.810	107.2290
78.810	107.2290

Name: TRIPLT-N Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 52.250
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	16.8790
48.950	18.7550
49.950	20.8390
50.950	23.1542
51.950	25.9724
52.950	30.2624
53.950	35.5159
54.950	38.6264
55.950	41.5881

Name: TRIPLT-S Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added node to seperate Middle and South Triplet Lake; stage area based on DEM

Stage(ft)	Area(ac)
49.160	0.0010
49.660	25.2570
50.160	27.0350
50.660	28.0550
51.160	29.2580
51.660	31.3850
52.160	34.3310
52.660	37.5630
53.160	40.7040
53.660	43.1610
54.160	45.1720
54.660	47.1310
55.160	48.9490
55.660	50.5820
56.160	52.2430
56.660	54.5920
57.160	56.8540
57.660	59.0500
58.160	61.6920
58.660	65.0020
59.160	67.9860
59.660	70.8560
60.160	73.9810
60.660	76.4070
61.160	78.4370
61.660	80.4760
62.160	82.7370
62.660	85.2140
63.160	86.7430
63.660	87.9980
64.160	88.8050
64.660	89.5390
65.160	90.0700
65.660	90.6340
66.160	91.2830
66.660	92.2190
67.160	93.1950
67.660	93.9130
68.160	94.4560
68.660	94.8220
69.160	95.1720
69.660	95.5220
70.160	95.8270
70.660	96.1580

71.160	96.5900
71.660	97.0450
72.160	97.3460
72.660	97.5630
73.160	97.6580
73.660	97.7660
74.160	97.8910
74.660	98.0330
75.160	98.2290
75.660	98.4090
76.160	98.8540
76.660	98.9340
77.290	98.9370
87.290	98.9370

Name: TROUT Base Flow(cfs): 0.200 Init Stage(ft): 78.700
Group: 13K Warn Stage(ft): 80.650
Type: Stage/Area

Stage(ft)	Area(ac)
77.950	15.2240
78.950	17.5082
79.950	20.1318
80.950	22.3211

Name: WILDMERE Base Flow(cfs): 0.800 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 57.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	29.1100
56.950	31.1100
57.950	33.2411
58.950	37.3433
59.950	39.9008
60.950	43.2276
61.950	46.8000
62.950	50.7000

Name: YVONNE Base Flow(cfs): 0.600 Init Stage(ft): 52.020
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	13.9130
51.950	17.7690
52.950	22.6935
53.950	28.9822
54.950	36.7654
55.950	45.9359
56.950	57.3900

==========
==== Cross Sections ==========
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Name: 13A-B04X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
1.150	19.230	0.040000
1.150	14.920	0.040000
11.000	12.950	0.035000
12.050	12.740	0.035000
12.050	19.230	0.040000
13.200	19.230	0.040000
13.200	12.510	0.040000
24.100	10.330	0.035000
24.100	19.230	0.040000
25.250	19.230	0.040000

25.250	10.100	0.040000
33.000	8.550	0.035000
36.150	6.910	0.035000
36.150	19.230	0.040000
37.300	19.230	0.040000
37.300	6.310	0.040000
38.000	5.950	0.035000
48.200	5.160	0.035000
48.200	19.230	0.040000
49.350	19.230	0.040000
49.350	5.080	0.040000
51.000	4.950	0.030000
60.250	4.670	0.030000
60.250	19.230	0.040000
61.400	19.230	0.040000
61.400	4.950	0.040000
70.000	9.150	0.035000
72.300	9.290	0.035000
72.300	19.230	0.040000
73.450	19.230	0.040000
73.450	9.360	0.040000
75.000	9.450	0.035000
84.350	9.520	0.035000
84.350	19.230	0.040000
85.500	19.230	0.040000
85.500	9.530	0.040000
96.400	9.600	0.035000
96.400	19.230	0.040000
97.550	19.230	0.040000
97.550	9.610	0.040000
103.000	9.650	0.035000
108.450	9.540	0.035000
108.450	19.230	0.040000
109.600	19.230	0.040000
109.600	9.520	0.040000
120.500	9.300	0.035000
120.500	19.230	0.040000
121.650	19.230	0.040000
121.650	9.270	0.040000
132.550	9.070	0.035000
132.550	19.230	0.040000
133.770	19.230	0.040000
133.770	9.040	0.040000
144.600	8.830	0.035000
144.600	19.230	0.040000
145.750	19.230	0.040000
145.750	8.810	0.040000
156.650	8.590	0.035000
156.650	19.230	0.040000
157.800	19.230	0.040000
157.800	8.570	0.040000
168.700	8.350	0.035000
168.700	19.230	0.040000
169.850	19.230	0.040000
169.850	8.230	0.040000
172.000	7.950	0.035000
174.000	6.850	0.030000
180.000	6.350	0.030000
180.750	6.440	0.030000
180.750	19.230	0.040000
181.900	19.230	0.040000
181.900	6.580	0.040000
185.000	6.950	0.030000
188.000	9.050	0.035000
192.800	9.610	0.035000
192.800	19.230	0.040000
193.950	19.230	0.040000
193.950	9.740	0.040000
200.000	10.450	0.035000
204.850	12.120	0.035000
204.850	19.230	0.040000
206.000	19.230	0.040000
206.000	12.510	0.040000
209.000	13.550	0.035000
216.900	16.350	0.035000
216.900	19.230	0.040000

Name: 13A-B20R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-92.000	27.650	0.016000
-50.000	26.360	0.016000
0.000	27.410	0.016000
50.000	27.420	0.016000
100.000	27.340	0.016000

Name: 13A-B20X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-26.100	25.430	0.020000
-26.100	23.650	0.020000
-20.000	21.650	0.020000
-18.000	19.950	0.035000
-13.000	19.850	0.035000
-9.000	19.950	0.020000
-5.000	21.850	0.020000
-1.300	22.650	0.020000
-1.300	25.430	0.020000

Name: 13A-B23R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	31.900	0.110000
-41.000	31.850	0.015000
0.000	31.850	0.015000

Name: 13A-B23X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.700	30.850	0.080000
-72.700	28.450	0.080000
-66.000	28.350	0.080000
-41.000	28.450	0.080000
-33.000	25.150	0.080000
-26.000	24.250	0.080000
-24.000	20.550	0.080000
-20.000	21.150	0.050000
-13.000	21.450	0.050000
-8.000	25.650	0.080000
-8.000	30.850	0.080000

Name: 13A-B25R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	32.000	0.016000
0.000	33.020	0.016000
50.000	33.070	0.016000
100.000	32.310	0.016000

Name: 13A-B25X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-14.000	30.990	0.013000
-14.000	29.650	0.013000
-11.000	29.050	0.030000
-8.000	27.250	0.030000
-3.000	22.950	0.030000
0.000	22.750	0.035000
3.000	23.350	0.035000
4.000	25.150	0.030000

8.000	26.150	0.030000
12.000	28.250	0.030000
12.000	30.990	0.030000

Name: 13A-B49X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.560	0.016000
0.000	45.650	0.016000
8.000	44.250	0.035000
9.000	42.750	0.035000
13.500	41.850	0.035000
19.000	42.350	0.035000
27.000	44.450	0.035000
27.000	48.560	0.016000

Name: 13A-B57R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.500	53.460	0.016000
-36.500	52.910	0.016000
13.500	52.580	0.016000
63.500	53.060	0.016000
113.500	53.540	0.016000

Name: 13A-B57X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.210	0.027000
6.000	47.280	0.027000
18.000	47.230	0.027000
25.000	51.200	0.027000

Name: 13A-W343 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.950	0.110000
140.000	50.950	0.110000
200.000	50.450	0.110000
260.000	50.950	0.110000
345.000	51.950	0.110000

Name: 13A-W390 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	40.250	0.110000
-25.000	40.150	0.110000
0.000	39.950	0.110000
14.000	39.450	0.110000
20.000	39.150	0.110000
27.000	39.450	0.110000
50.000	40.350	0.110000

Name: 13A-W590 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-41.350	52.950	0.040000
-16.350	52.350	0.040000
0.000	51.640	0.040000
5.600	51.670	0.025000
5.600	49.660	0.025000
13.700	49.610	0.025000
13.700	48.640	0.025000
15.600	48.670	0.013000
15.600	49.610	0.025000
23.900	49.820	0.025000
23.900	51.940	0.025000
29.500	51.910	0.025000
35.650	52.650	0.040000
43.650	52.950	0.040000

Name: 13A0000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	10.850	0.150000
-50.000	9.550	0.150000
-25.000	9.250	0.150000
0.000	9.150	0.150000
3.000	8.850	0.100000
7.000	7.150	0.035000
11.000	5.150	0.035000
19.000	3.950	0.035000
28.000	2.950	0.035000
32.000	8.850	0.035000
35.000	10.150	0.035000
41.000	10.550	0.100000

Name: 13A0100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	17.450	0.150000
0.000	13.950	0.150000
7.000	11.250	0.150000
11.000	5.250	0.150000
19.000	2.950	0.035000
28.000	2.350	0.035000
34.000	9.350	0.150000
39.000	11.050	0.150000

Name: 13A0300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-9.000	11.950	0.150000
-2.000	9.050	0.150000
0.000	8.850	0.150000
6.000	7.550	0.150000
8.000	5.450	0.050000
17.000	5.050	0.030000
25.000	5.350	0.030000
26.000	8.750	0.050000
30.000	10.350	0.150000

Name: 13A0500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	12.150	0.150000
17.000	11.550	0.150000
25.000	10.650	0.150000
32.000	8.650	0.150000
35.000	4.050	0.030000

41.000	5.150	0.030000
48.000	5.150	0.030000
53.000	8.150	0.030000
62.000	12.250	0.150000

Name: 13A0600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	11.850	0.150000
0.000	11.150	0.150000
2.000	10.750	0.150000
5.000	9.550	0.150000
10.000	5.850	0.030000
19.000	5.250	0.030000
28.000	6.450	0.030000
33.000	9.750	0.030000
58.000	11.650	0.150000
83.000	12.250	0.150000
116.000	13.950	0.150000

Name: 13A0800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	17.750	0.150000
-25.000	16.750	0.150000
0.000	15.350	0.150000
2.000	15.350	0.150000
10.000	9.750	0.150000
13.000	5.150	0.080000
18.000	4.150	0.080000
25.000	6.350	0.080000
30.000	9.650	0.080000
35.000	10.150	0.150000
60.000	10.750	0.150000
85.000	10.750	0.150000

Name: 13A0900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	16.650	0.035000
-50.000	13.450	0.035000
-25.000	12.150	0.150000
0.000	11.650	0.150000
3.000	10.150	0.150000
6.000	7.750	0.080000
11.000	7.250	0.080000
18.000	7.650	0.080000
23.000	11.750	0.080000
50.000	11.150	0.150000
75.000	12.150	0.150000

Name: 13A1000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.950	0.030000
-25.000	16.550	0.030000
0.000	15.650	0.030000
17.000	12.950	0.035000
34.000	12.550	0.035000
42.000	11.750	0.035000
46.000	9.950	0.030000
49.000	8.850	0.030000
55.000	9.350	0.030000
56.000	13.230	0.080000
81.000	15.350	0.150000

106.000	17.050	0.150000

Name: 13A1100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	19.950	0.030000
0.000	19.550	0.030000
10.000	19.450	0.100000
16.000	17.550	0.100000
22.000	14.850	0.100000
25.000	14.750	0.100000
30.000	15.750	0.100000
36.000	10.350	0.050000
42.000	10.750	0.030000
45.000	10.850	0.030000
51.000	14.950	0.050000
60.000	18.350	0.100000
85.000	19.950	0.030000
110.000	20.250	0.035000

Name: 13A1300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	20.750	0.150000
-25.000	20.250	0.150000
0.000	20.050	0.150000
13.000	19.650	0.150000
21.000	18.350	0.050000
30.000	15.350	0.050000
36.000	14.350	0.050000
38.000	11.550	0.050000
43.000	11.250	0.050000
48.000	11.150	0.050000
53.000	14.250	0.050000
56.000	14.950	0.150000
65.000	17.250	0.030000
86.000	19.850	0.030000
100.000	20.650	0.030000

Name: 13A1400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	24.250	0.150000
-25.000	23.950	0.150000
0.000	22.850	0.150000
5.000	22.450	0.150000
14.000	19.450	0.035000
20.000	16.150	0.035000
26.000	12.450	0.035000
30.000	11.950	0.035000
34.000	12.250	0.035000
38.000	14.450	0.035000
41.000	18.050	0.035000
53.000	22.050	0.150000
78.000	23.950	0.030000
103.000	25.250	0.030000

Name: 13A1600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	26.050	0.030000
-25.000	24.450	0.030000
0.000	23.250	0.030000
4.000	22.850	0.150000
8.000	21.150	0.150000

15.000	17.150	0.150000
20.000	13.650	0.100000
26.000	12.550	0.100000
31.000	13.150	0.100000
32.000	14.050	0.150000
37.000	17.650	0.150000
44.000	20.350	0.150000
69.000	23.850	0.030000
94.000	26.250	0.030000

Name: 13A1700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.750	0.150000
0.000	25.450	0.150000
25.000	20.350	0.150000
38.000	19.950	0.150000
44.000	15.850	0.050000
47.000	15.150	0.050000
52.000	16.350	0.050000
57.000	16.750	0.050000
59.000	19.350	0.050000
79.000	22.050	0.150000
105.000	25.550	0.150000

Name: 13A1800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.050	0.030000
0.000	26.050	0.030000
20.000	22.950	0.150000
25.000	21.550	0.150000
31.000	16.450	0.050000
35.000	14.650	0.050000
39.000	15.650	0.050000
50.000	21.450	0.050000
65.000	23.050	0.150000
88.000	26.350	0.150000

Name: 13A1900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	26.950	0.030000
-55.000	24.350	0.030000
-29.000	24.250	0.080000
-22.000	19.650	0.080000
-21.000	18.750	0.080000
-19.000	17.850	0.080000
-18.000	17.950	0.080000
-16.000	19.450	0.080000
-14.000	20.150	0.080000
-13.000	21.650	0.080000
-8.000	22.650	0.080000
-4.000	24.450	0.080000
0.000	25.150	0.080000
25.000	26.050	0.030000
50.000	26.450	0.030000

Name: 13A2100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	27.550	0.150000
-68.000	26.350	0.150000
-43.000	26.350	0.100000
-36.000	24.750	0.100000

-32.000	22.950	0.100000
-28.000	18.850	0.100000
-24.000	18.750	0.100000
-19.000	19.450	0.100000
-16.000	22.950	0.100000
-10.000	22.750	0.100000
0.000	26.750	0.100000
25.000	25.750	0.150000
50.000	25.150	0.150000

Name: 13A2200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.350	0.150000
-67.000	26.750	0.150000
-42.000	26.550	0.150000
-35.000	24.850	0.150000
-26.000	23.950	0.150000
-23.000	20.150	0.080000
-18.000	19.150	0.080000
-16.000	20.050	0.080000
-12.000	22.850	0.080000
-10.000	26.350	0.150000
0.000	29.150	0.150000
25.000	29.450	0.150000

Name: 13A2300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	28.850	0.150000
-66.000	28.350	0.150000
-41.000	28.450	0.150000
-33.000	25.150	0.100000
-26.000	24.250	0.100000
-24.000	20.550	0.100000
-20.000	21.150	0.100000
-13.000	21.450	0.100000
-8.000	25.650	0.100000
0.000	31.350	0.150000
25.000	31.850	0.150000
50.000	32.750	0.150000

Name: 13A2400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.650	0.030000
-75.000	29.850	0.030000
-51.000	29.650	0.100000
-40.000	25.650	0.100000
-35.000	23.150	0.100000
-30.000	22.350	0.100000
-27.000	22.850	0.100000
-23.000	25.950	0.100000
-15.000	27.150	0.150000
0.000	28.550	0.150000
25.000	29.050	0.030000
50.000	30.750	0.030000

Name: 13A2600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	28.050	0.150000
-60.000	28.750	0.150000
-35.000	28.850	0.150000
-25.000	26.550	0.050000

-22.000	23.450	0.050000
-15.000	22.650	0.050000
-11.000	23.150	0.050000
-6.000	29.750	0.050000
0.000	31.550	0.050000
25.000	32.750	0.030000
50.000	32.790	0.013000

Name: 13A2700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	30.150	0.030000
-25.000	29.450	0.030000
0.000	29.150	0.030000
14.000	27.850	0.150000
16.000	23.350	0.080000
21.000	23.550	0.080000
25.000	23.850	0.080000
29.000	27.650	0.080000
33.000	27.250	0.080000
40.000	30.050	0.080000
65.000	30.350	0.035000

Name: 13A2750X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	31.250	0.150000
-50.000	30.650	0.150000
-25.000	31.750	0.150000
0.000	29.450	0.150000
2.000	29.150	0.035000
4.000	26.250	0.035000
9.000	25.150	0.035000
13.000	25.950	0.035000
20.000	30.450	0.035000
44.000	31.850	0.150000
65.000	29.250	0.100000
74.000	29.250	0.100000
84.000	32.150	0.100000
100.000	32.150	0.150000
200.000	33.250	0.150000

Name: 13A2800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	34.250	0.150000
-60.000	32.250	0.150000
-26.000	33.050	0.150000
-21.000	32.050	0.150000
-18.000	30.850	0.050000
-16.000	28.450	0.050000
-14.000	28.450	0.050000
-12.000	28.450	0.050000
-11.000	30.850	0.050000
-9.000	32.650	0.150000
0.000	32.350	0.150000
25.000	34.750	0.150000
50.000	35.250	0.150000

Name: 13A2900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-140.000	36.950	0.150000
-50.000	35.650	0.150000
-25.000	35.450	0.150000

0.000	35.350	0.150000
5.000	35.150	0.150000
13.000	31.950	0.050000
16.000	31.750	0.050000
18.000	31.950	0.050000
23.000	32.550	0.050000
31.000	35.150	0.050000
112.000	35.450	0.150000

Name: 13A3000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	36.150	0.150000
-28.000	32.950	0.050000
-22.000	32.950	0.050000
-17.000	31.950	0.050000
-11.000	32.350	0.050000
-7.000	35.350	0.050000
-4.000	36.950	0.050000
0.000	37.350	0.150000

Name: 13A3200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	40.010	0.013000
-67.000	39.450	0.013000
-42.000	39.150	0.035000
-34.000	36.550	0.035000
-27.000	32.950	0.035000
-23.000	32.450	0.035000
-19.000	33.050	0.035000
-10.000	33.850	0.035000
-6.000	35.850	0.035000
0.000	37.950	0.035000

Name: 13A3300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.950	0.035000
-25.000	39.550	0.035000
0.000	38.450	0.035000
2.000	38.350	0.035000
8.000	35.750	0.035000
12.000	34.150	0.035000
19.000	32.950	0.035000
23.000	31.750	0.035000

Name: 13A3400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-62.000	41.750	0.080000
-37.000	40.950	0.080000
-27.000	36.650	0.080000
-17.000	33.250	0.080000
-12.000	34.150	0.035000
-6.000	34.050	0.080000
0.000	36.250	0.110000
25.000	38.850	0.110000
50.000	40.150	0.110000

Name: 13A3600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-102.000	42.050	0.030000
-77.000	51.650	0.030000
-52.000	40.850	0.040000
-45.000	37.950	0.040000
-39.000	33.950	0.045000
-30.000	32.750	0.050000
-24.000	34.150	0.050000
-14.000	37.950	0.050000
-5.000	40.550	0.080000
0.000	41.250	0.080000
25.000	42.450	0.030000
50.000	42.750	0.030000

Name: 13A3700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	43.930	0.030000
0.000	41.650	0.030000
18.000	37.250	0.030000
21.000	37.150	0.030000
29.000	38.250	0.030000
35.000	35.850	0.080000
37.000	34.950	0.080000
40.000	34.750	0.080000
42.000	34.850	0.080000
51.000	39.550	0.110000

Name: 13A3900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	39.750	0.110000
0.000	39.350	0.080000
8.000	37.850	0.080000
14.000	36.750	0.080000
20.000	36.550	0.080000
28.000	36.450	0.080000
33.000	39.950	0.110000

Name: 13A4000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-218.000	39.920	0.080000
-50.000	39.150	0.080000
-20.000	38.750	0.080000
-19.000	37.150	0.080000
-13.000	37.350	0.035000
-8.000	36.950	0.035000
-4.000	38.050	0.050000
-3.000	37.950	0.080000
0.000	38.850	0.080000
25.000	39.850	0.080000
55.000	39.550	0.080000
81.000	41.250	0.080000
94.000	41.450	0.080000

Name: 13A4100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	40.150	0.110000
-32.000	38.250	0.050000
-24.000	37.450	0.025000
-17.000	37.750	0.050000

-12.000	39.850	0.080000
-7.000	40.150	0.080000
0.000	43.050	0.080000
17.000	43.750	0.080000

Name: 13A4200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	44.350	0.110000
-31.000	42.550	0.080000
-24.000	38.750	0.050000
-21.000	38.650	0.025000
-17.000	38.250	0.050000
-13.000	42.950	0.080000
-7.000	42.950	0.110000
0.000	44.350	0.110000

Name: 13A4300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-108.000	47.250	0.110000
-83.000	45.250	0.110000
-66.000	45.050	0.110000
-57.000	42.250	0.110000
-49.000	41.550	0.110000
-45.000	42.350	0.110000
-40.000	40.750	0.080000
-37.000	39.450	0.080000
-33.000	39.650	0.035000
-30.000	39.050	0.080000
-27.000	41.150	0.080000
-19.000	44.750	0.080000
-8.000	48.350	0.110000
0.000	48.950	0.110000

Name: 13A4400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	47.050	0.110000
0.000	43.850	0.110000
4.000	43.150	0.080000
7.000	40.850	0.080000
14.000	40.250	0.035000
21.000	40.450	0.080000
24.000	42.050	0.110000
32.000	45.750	0.110000

Name: 13A4500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	45.650	0.018000
2.000	45.450	0.018000
3.000	42.950	0.035000
8.000	41.250	0.035000
15.000	40.550	0.035000
19.000	40.950	0.025000
25.000	44.750	0.035000
32.000	46.250	0.018000

Name: 13A4600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	45.350	0.110000
-46.000	45.150	0.110000
-36.000	41.650	0.080000
-24.000	42.850	0.080000
-20.000	39.850	0.080000
-17.000	40.050	0.080000
-12.000	41.050	0.080000
-5.000	42.850	0.110000
-2.000	44.550	0.110000
0.000	44.850	0.110000
25.000	45.250	0.110000
50.000	45.450	0.110000

Name: 13A4700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	47.750	0.030000
-68.000	46.950	0.080000
-43.000	46.050	0.080000
-38.000	42.950	0.050000
-30.000	41.850	0.035000
-27.000	41.750	0.035000
-22.000	41.050	0.035000
-18.000	40.850	0.040000
-14.000	44.150	0.045000
-10.000	45.050	0.045000
0.000	46.250	0.040000
25.000	46.850	0.040000
50.000	47.850	0.040000

Name: 13A4800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.060	0.030000
-25.000	48.050	0.030000
0.000	47.850	0.080000
5.000	45.950	0.080000
11.000	42.250	0.080000
18.000	41.850	0.035000
26.000	42.350	0.080000
31.000	45.550	0.080000
36.000	46.750	0.080000
43.000	47.650	0.080000
68.000	47.650	0.080000
93.000	47.550	0.080000

Name: 13A5000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-55.000	48.150	0.060000
-29.000	47.650	0.050000
-21.000	44.650	0.035000
-19.000	44.250	0.035000
-17.000	43.150	0.035000
-15.000	42.950	0.035000
-10.000	42.350	0.022000
-6.000	42.450	0.080000
-1.000	47.250	0.080000
0.000	48.150	0.080000

Name: 13A5100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

0.000	51.150	0.060000
10.000	47.350	0.035000
16.000	43.650	0.035000
18.000	42.950	0.035000
22.000	42.850	0.022000
26.000	42.550	0.022000
27.000	42.950	0.050000
30.000	47.550	0.080000
37.000	48.850	0.080000
62.000	47.450	0.080000
87.000	46.750	0.080000

Name: 13A5200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	52.250	0.030000
-25.000	51.550	0.030000
0.000	49.750	0.080000
3.000	48.650	0.080000
6.000	46.650	0.080000
10.000	43.450	0.080000
14.000	42.950	0.022000
18.000	43.950	0.080000
22.000	45.750	0.080000
24.000	47.450	0.080000
34.000	49.850	0.080000

Name: 13A5300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	51.650	0.016000
-25.000	51.650	0.016000
0.000	51.350	0.080000
5.000	49.550	0.080000
7.000	55.650	0.080000
11.000	43.350	0.080000
14.000	43.850	0.022000
18.000	44.050	0.022000
22.000	50.250	0.035000
28.000	52.550	0.080000
34.000	53.650	0.080000

Name: 13A5400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	56.450	0.040000
0.000	54.750	0.080000
17.000	50.850	0.080000
20.000	48.850	0.080000
23.000	46.950	0.080000
25.000	44.050	0.035000
29.000	43.850	0.035000
31.000	44.050	0.035000
33.000	45.850	0.035000
35.000	46.050	0.080000
37.000	47.350	0.110000
42.000	51.650	0.110000
50.000	52.450	0.110000

Name: 13A5500X Group: 13A
Encroachment: Yes
Left Station(ft): -50.000 Right Station(ft): 40.000

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000

-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.080000
-40.000	46.550	0.080000
-33.000	45.050	0.035000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.035000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5500X_Aux1 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.080000
-40.000	46.550	0.080000
-33.000	45.050	0.035000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.035000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
18.000	53.850	0.080000
23.000	51.050	0.080000
25.000	46.650	0.080000
32.000	46.550	0.080000
33.000	45.350	0.035000
35.000	45.250	0.035000
38.000	45.350	0.035000
40.000	46.450	0.035000
42.000	48.150	0.080000
44.000	50.150	0.080000
69.000	50.650	0.080000
100.000	53.150	0.080000

Name: 13A5800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	52.950	0.030000
0.000	52.350	0.040000
6.000	50.950	0.040000
12.000	49.150	0.040000
15.000	47.850	0.040000
22.000	47.750	0.040000
25.000	47.050	0.040000
31.000	46.850	0.035000
40.000	47.350	0.040000
42.000	50.250	0.030000
52.000	52.650	0.030000
60.000	52.950	0.030000

Name: 13A6100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	53.450	0.030000
-25.000	52.750	0.030000
0.000	51.750	0.030000
1.000	51.550	0.030000
2.000	49.450	0.035000
9.000	47.850	0.035000
14.000	47.050	0.035000
15.000	47.150	0.035000
20.000	48.550	0.035000
26.000	49.650	0.045000
28.000	52.050	0.030000
29.000	52.250	0.030000
55.000	52.850	0.030000
79.000	52.950	0.030000

Name: 13B0100X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-123.000	15.650	0.060000
-114.000	11.550	0.060000
-108.000	9.550	0.060000
-107.000	6.550	0.035000
-104.000	6.150	0.035000
-101.000	6.450	0.035000
-98.000	9.150	0.045000
-67.000	14.050	0.060000
-35.000	15.450	0.060000
0.000	17.300	0.060000

Name: 13B0200X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-179.000	21.250	0.050000
-119.000	19.550	0.050000
-94.000	18.750	0.050000
-69.000	16.050	0.080000
-58.000	14.350	0.080000
-56.000	13.950	0.080000
-52.000	14.850	0.080000
-43.000	14.950	0.080000
-31.000	15.550	0.040000
-19.000	15.550	0.040000
-17.000	17.550	0.040000
0.000	21.250	0.030000
10.000	21.800	0.030000

Name: 13B0400X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	21.650	0.110000
0.000	20.050	0.110000
14.000	16.850	0.110000
24.000	13.550	0.110000
26.000	13.350	0.110000
30.000	13.950	0.110000
38.000	16.750	0.110000
51.000	18.650	0.110000
76.000	21.450	0.110000

Name: 13B0500X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	23.050	0.110000
0.000	20.160	0.110000
12.000	17.850	0.110000
28.000	18.050	0.110000
32.000	15.450	0.110000
34.000	15.450	0.110000
37.000	16.650	0.110000
39.000	18.250	0.110000
49.000	17.550	0.110000
60.000	19.250	0.110000
88.000	21.450	0.110000

Name: 13B0600X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-125.000	29.150	0.110000
-100.000	28.150	0.110000
-79.000	25.550	0.110000
-68.000	22.650	0.110000
-51.000	22.250	0.080000
-45.000	19.650	0.060000
-42.000	19.650	0.060000
-38.000	20.050	0.060000
-35.000	22.050	0.080000
-21.000	25.950	0.080000
0.000	28.850	0.080000
25.000	30.450	0.045000

Name: 13C-W230 Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	35.980	0.013000
40.000	35.980	0.013000
40.000	35.480	0.013000
50.400	35.480	0.013000
50.400	35.980	0.013000
90.400	35.980	0.013000

Name: 13C0100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.950	0.110000
-50.000	14.950	0.110000
-25.000	13.550	0.110000
0.000	12.150	0.110000
12.000	8.050	0.080000
16.000	7.950	0.080000
19.000	8.250	0.080000
23.000	10.650	0.080000
50.000	10.850	0.110000
75.000	10.750	0.110000
125.000	10.850	0.110000
170.000	13.250	0.110000

Name: 13C0200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	16.290	0.050000
-50.000	13.450	0.110000
-25.000	12.950	0.110000
0.000	12.250	0.110000
5.000	9.550	0.080000
7.000	8.950	0.080000

9.000	9.150	0.080000
16.000	14.250	0.080000
33.000	14.750	0.050000
41.000	14.750	0.050000
66.000	14.950	0.050000
101.000	15.950	0.050000

Name: 13C0300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-47.000	14.750	0.035000
-28.000	13.150	0.080000
-18.000	11.650	0.080000
0.000	13.350	0.080000
3.000	12.950	0.080000
5.000	11.050	0.080000
7.000	10.350	0.080000
9.000	10.050	0.045000
12.000	10.350	0.080000
16.000	13.150	0.080000
41.000	13.850	0.110000
66.000	15.750	0.110000

Name: 13C0500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.550	0.110000
-45.000	14.950	0.110000
-20.000	12.950	0.110000
-17.000	12.550	0.050000
-13.000	10.750	0.035000
-10.000	10.450	0.035000
-8.000	11.150	0.035000
-5.000	11.750	0.035000
0.000	12.850	0.060000
25.000	12.850	0.110000
50.000	12.950	0.110000
59.000	14.740	0.050000

Name: 13C0700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	15.850	0.110000
-30.000	15.750	0.110000
0.000	15.450	0.110000
25.000	16.050	0.110000
28.000	14.950	0.080000
30.000	13.550	0.080000
32.000	12.750	0.080000
36.000	13.450	0.080000
42.000	15.850	0.080000

Name: 13C0800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.550	0.110000
-25.000	16.150	0.110000
0.000	15.850	0.110000
3.000	15.550	0.110000
7.000	13.750	0.080000
10.000	13.150	0.080000
12.000	13.650	0.080000
16.000	16.450	0.080000
19.000	16.750	0.110000
45.000	16.050	0.110000

74.000	17.550	0.110000

Name: 13C1000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	21.050	0.050000
-25.000	20.050	0.050000
0.000	18.850	0.110000
6.000	18.350	0.110000
8.000	17.650	0.080000
11.000	13.050	0.080000
13.000	12.850	0.080000
19.000	13.650	0.045000
21.000	16.550	0.045000
22.000	16.950	0.080000
47.000	16.750	0.110000
72.000	17.750	0.110000

Name: 13C1100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	21.950	0.030000
-50.000	20.550	0.110000
-25.000	19.750	0.110000
0.000	19.350	0.110000
5.000	15.850	0.080000
6.000	15.150	0.035000
8.000	15.150	0.080000
15.000	19.350	0.080000
21.000	20.650	0.080000
46.000	20.849	0.110000
71.000	20.850	0.110000
170.000	21.950	0.110000

Name: 13C1200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.850	0.030000
-18.000	25.050	0.080000
-9.000	24.350	0.080000
0.000	22.550	0.080000
3.000	20.750	0.080000
6.000	20.450	0.035000
7.000	20.550	0.080000
10.000	22.250	0.080000
13.000	23.050	0.080000
33.000	22.750	0.110000
63.000	22.950	0.110000
223.000	23.950	0.110000
262.000	24.950	0.110000
285.000	25.950	0.110000

Name: 13C1300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.550	0.050000
-25.000	25.650	0.050000
0.000	25.550	0.080000
4.000	25.450	0.080000
10.000	23.850	0.050000
14.000	22.650	0.040000
16.000	22.550	0.035000
17.000	22.550	0.040000
22.000	24.350	0.080000
47.000	23.950	0.110000

72.000	24.550	0.110000
78.000	25.950	0.110000
114.000	26.950	0.110000
161.000	27.950	0.110000
186.000	28.950	0.110000

Name: 13C1400X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	27.550	0.030000
-25.000	26.850	0.030000
0.000	26.450	0.080000
17.000	27.350	0.080000
19.000	25.550	0.050000
24.000	25.450	0.035000
28.000	25.550	0.050000
32.000	27.550	0.080000
57.000	27.250	0.110000
82.000	27.450	0.110000
126.000	27.950	0.110000
176.000	28.950	0.110000

Name: 13C1500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	29.750	0.050000
-25.000	29.450	0.050000
0.000	29.050	0.050000
7.000	28.150	0.050000
10.000	25.750	0.035000
13.000	25.150	0.035000
18.000	26.250	0.035000
22.000	28.450	0.050000
47.000	28.350	0.110000
72.000	29.150	0.110000

Name: 13C1700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	30.350	0.030000
-50.000	29.650	0.030000
-24.000	29.850	0.060000
-17.000	29.050	0.050000
-11.000	26.350	0.035000
-8.000	26.250	0.035000
-4.000	26.550	0.035000
-2.000	27.450	0.050000
0.000	27.750	0.050000
25.000	28.150	0.110000
50.000	28.850	0.110000
342.000	28.950	0.110000
352.000	31.950	0.110000

Name: 13C1800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.550	0.080000
16.000	29.050	0.050000
19.000	27.050	0.050000
24.000	26.750	0.035000
31.000	27.350	0.050000
34.000	28.250	0.080000
38.000	28.650	0.110000
60.000	28.650	0.110000
135.000	29.950	0.110000

235.000	30.950	0.110000
435.000	31.950	0.110000

Name: 13C1900X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.750	0.080000
15.000	29.650	0.080000
20.000	28.050	0.080000
26.000	27.450	0.080000
33.000	28.050	0.080000
37.000	29.250	0.080000
62.000	29.450	0.110000
87.000	29.950	0.110000
234.000	31.950	0.110000

Name: 13C2000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	34.650	0.030000
-90.000	31.750	0.110000
-63.000	31.150	0.110000
-25.000	30.650	0.110000
-16.000	31.950	0.110000
-11.000	31.350	0.080000
-9.000	30.750	0.080000
-8.000	30.650	0.080000
-7.000	30.750	0.080000
-4.000	31.250	0.080000
0.000	31.750	0.110000
25.000	32.150	0.110000
50.000	31.950	0.110000
110.000	33.950	0.110000

Name: 13D0100X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-46.000	31.750	0.045000
-31.000	29.350	0.045000
-26.000	26.350	0.035000
-21.000	26.250	0.035000
-16.000	26.350	0.035000
-13.000	29.850	0.045000
-7.000	30.950	0.045000
0.000	31.150	0.060000

Name: 13D0200X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	35.450	0.080000
-33.000	34.050	0.080000
-28.000	32.450	0.080000
-11.000	29.150	0.080000
-9.000	28.950	0.080000
-4.000	29.450	0.080000
0.000	34.350	0.080000

Name: 13D0400X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	39.750	0.030000
-25.000	39.450	0.030000
-21.000	36.750	0.050000
-14.000	34.150	0.035000
-11.000	34.350	0.035000
-8.000	34.150	0.035000
-5.000	36.950	0.040000
0.000	38.150	0.030000
10.000	39.450	0.030000
18.000	39.450	0.030000
25.000	39.450	0.030000

Name: 13D0500X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	42.850	0.030000
-35.000	42.750	0.030000
-30.000	40.750	0.045000
-24.000	37.050	0.045000
-14.000	35.750	0.045000
-8.000	34.650	0.035000
-5.000	34.750	0.035000
-3.000	38.950	0.040000
0.000	41.050	0.030000
20.000	41.750	0.030000

Name: 13D0700X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	44.050	0.060000
-36.000	43.750	0.050000
-27.000	39.950	0.050000
-21.000	36.650	0.050000
-16.000	36.350	0.050000
-15.000	35.550	0.045000
-12.000	35.350	0.040000
-10.000	35.550	0.045000
-7.000	37.750	0.030000
0.000	43.450	0.030000
6.000	43.850	0.030000
14.000	44.650	0.030000
20.000	44.650	0.030000

Name: 13D0800X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	45.450	0.030000
-26.000	45.350	0.030000
-23.000	43.650	0.045000
-19.000	41.950	0.045000
-16.000	41.150	0.045000
-14.000	39.150	0.040000
-11.000	38.750	0.035000
-8.000	38.950	0.045000
-5.000	41.650	0.045000
0.000	45.150	0.030000
15.000	46.050	0.030000

Name: 13F-W041 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.400	49.150	0.013000
7.900	49.150	0.013000

8.150	47.950	0.013000
8.400	49.150	0.013000
10.900	49.150	0.013000
16.300	50.950	0.013000
41.300	50.950	0.035000

Name: 13F-W044 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.880	48.990	0.013000
9.780	48.990	0.013000
10.880	47.950	0.013000
11.980	48.990	0.013000
15.880	48.990	0.013000
21.760	50.950	0.013000
46.760	50.950	0.035000

Name: 13F0100X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	46.050	0.080000
-25.000	45.350	0.060000
0.000	45.850	0.035000
7.000	45.350	0.035000
15.000	43.950	0.035000
16.000	43.750	0.045000
17.000	44.450	0.035000
26.000	46.250	0.035000
31.000	46.650	0.035000
36.000	49.250	0.035000

Name: 13F0200X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.150	0.030000
-25.000	46.990	0.030000
0.000	47.150	0.030000
7.000	46.150	0.030000
14.000	45.250	0.030000
15.000	44.850	0.030000
18.000	44.650	0.030000
20.000	44.650	0.030000
29.000	48.050	0.030000
37.000	50.150	0.030000

Name: 13F0500X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.650	0.110000
5.000	49.650	0.110000
14.000	48.750	0.080000
17.000	47.750	0.080000
20.000	47.150	0.080000
23.000	47.950	0.080000
28.000	50.250	0.080000
53.000	48.250	0.080000
80.000	49.550	0.080000

Name: 13F0800X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	56.050	0.030000
-51.000	55.750	0.030000
-36.000	54.750	0.030000
-26.000	53.350	0.030000
-24.000	53.250	0.030000
-21.000	53.350	0.030000
-14.000	54.150	0.030000
0.000	54.650	0.030000
25.000	54.850	0.030000
65.000	56.050	0.030000

Name: 13F1000X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	55.850	0.080000
-60.000	55.450	0.080000
-35.000	55.050	0.080000
-26.000	52.750	0.045000
-24.000	52.750	0.045000
-21.000	52.650	0.045000
-15.000	54.350	0.080000
0.000	55.450	0.080000
25.000	55.750	0.080000

Name: 13G0100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	49.650	0.080000
-50.000	48.950	0.080000
-22.000	48.950	0.080000
-16.000	46.250	0.080000
-12.000	43.850	0.080000
-7.000	43.750	0.080000
-2.000	43.850	0.080000
-1.000	44.750	0.080000
0.000	45.450	0.080000
10.000	46.750	0.080000
25.000	47.350	0.030000

Name: 13G0200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.050	0.030000
-50.000	50.650	0.030000
0.000	50.050	0.030000
3.000	48.050	0.050000
6.000	46.450	0.050000
8.000	45.350	0.080000
11.000	45.250	0.080000
13.000	45.350	0.080000
17.000	48.250	0.080000
24.000	51.450	0.080000
50.000	52.050	0.080000

Name: 13G0400X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	48.750	0.030000
-50.000	48.750	0.030000
0.000	48.250	0.030000
2.000	47.450	0.045000
4.000	45.950	0.045000

7.000	44.550	0.045000
10.000	44.350	0.040000
12.000	44.650	0.045000
16.000	47.550	0.045000
18.000	48.650	0.045000
43.000	50.750	0.030000
56.000	51.450	0.030000
75.000	51.650	0.030000

Name: 13G0500X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-34.000	48.150	0.080000
-24.000	47.650	0.080000
-17.000	46.450	0.045000
-11.000	44.750	0.040000
-9.000	44.750	0.040000
-6.000	44.350	0.040000
-2.000	46.750	0.045000
0.000	47.150	0.030000
21.000	49.050	0.030000
50.000	49.250	0.030000
51.000	53.950	0.030000

Name: 13G0550X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.080000
50.000	48.150	0.080000
100.000	48.950	0.080000

Name: 13G0600X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-20.000	49.450	0.050000
-17.000	48.550	0.050000
-14.000	46.450	0.080000
-12.000	45.550	0.080000
-10.000	45.450	0.080000
-7.000	45.450	0.080000
-6.000	46.150	0.080000
-3.000	48.750	0.050000
0.000	49.350	0.050000
25.000	51.450	0.030000
50.000	52.750	0.030000

Name: 13G1000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
35.000	46.950	0.150000
80.000	45.950	0.150000
122.500	45.850	0.150000
165.000	45.950	0.150000
195.000	46.950	0.150000
250.000	47.950	0.150000
275.000	48.950	0.150000

Name: 13G2000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	50.950	0.035000
18.000	48.950	0.035000
25.000	46.950	0.035000
31.000	43.950	0.035000
44.000	43.950	0.035000
50.000	46.950	0.050000
70.000	48.950	0.150000
100.000	49.950	0.150000

Name: 13G2100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.950	0.035000
60.000	48.950	0.035000
65.000	46.950	0.035000
71.000	43.950	0.035000
74.000	43.950	0.035000
80.000	46.950	0.050000
90.000	48.950	0.150000
120.000	49.950	0.150000

Name: 13G2200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
45.000	46.950	0.150000
82.000	46.850	0.150000
120.000	46.950	0.150000
140.000	48.950	0.150000

Name: 13H0100X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-400.000	53.350	0.030000
-325.000	53.050	0.110000
-300.000	53.150	0.110000
-250.000	53.550	0.110000
-200.000	53.650	0.030000
-148.000	53.550	0.030000
-95.000	53.150	0.030000
-64.000	53.050	0.030000
-44.000	53.250	0.030000
0.000	54.050	0.030000
30.000	55.650	0.050000
61.000	58.550	0.050000

Name: 13H0200X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	66.350	0.035000
30.000	65.950	0.035000
55.000	64.950	0.035000
75.000	64.850	0.040000
95.000	64.950	0.040000
115.000	65.950	0.035000

Name: 13I0300X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	57.930	0.013000
-36.500	57.670	0.013000
-33.000	57.150	0.080000
-28.000	54.950	0.050000
-23.000	51.450	0.050000
-19.000	50.350	0.050000
-16.000	51.050	0.050000
-10.000	52.650	0.050000
0.000	56.530	0.080000
25.000	56.650	0.040000
50.000	57.550	0.016000

Name: 13I0400X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-32.000	56.950	0.110000
-23.000	52.450	0.080000
-18.000	51.950	0.050000
-15.000	51.650	0.050000
-9.000	52.550	0.050000
-5.000	56.750	0.080000
0.000	58.650	0.080000
15.000	58.670	0.050000

Name: 13I0700X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-27.000	59.850	0.110000
-17.000	57.850	0.110000
-14.000	56.650	0.080000
-11.000	54.950	0.035000
-8.000	54.450	0.035000
-6.000	55.450	0.035000
-5.000	56.750	0.080000
0.000	58.550	0.080000
25.000	59.750	0.110000
50.000	59.850	0.110000

Name: 13I1000X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-17.000	60.850	0.080000
0.000	59.950	0.080000
2.000	58.750	0.080000
4.000	57.250	0.080000
7.000	56.950	0.080000
10.000	57.250	0.080000
13.000	58.950	0.080000
17.000	60.250	0.080000
22.000	62.250	0.080000

Name: 13I1250X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-246.000	61.950	0.050000
-126.000	60.950	0.050000
-104.000	59.950	0.050000
-80.000	60.150	0.050000
-62.000	60.250	0.100000
-59.000	57.950	0.080000
-55.000	57.050	0.080000
-53.000	57.250	0.080000
-51.000	59.750	0.080000

0.000	59.850	0.100000
40.000	60.350	0.040000
180.000	62.350	0.040000

Name: 13J0100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	59.950	0.030000
-30.000	58.550	0.030000
-22.000	57.050	0.025000
-19.000	55.450	0.025000
-16.000	54.250	0.025000
-13.000	54.250	0.025000
-10.000	54.250	0.025000
-5.000	55.850	0.025000
-2.000	57.250	0.025000
0.000	57.970	0.030000
20.000	60.550	0.030000
60.000	60.850	0.030000

Name: 13J0310X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	65.550	0.030000
-4.000	62.850	0.030000
0.000	62.250	0.030000
2.000	62.050	0.025000
4.000	60.750	0.025000
6.000	59.750	0.025000
7.000	58.750	0.025000
10.000	58.750	0.025000
12.000	58.750	0.025000
15.000	60.550	0.025000
19.000	62.250	0.025000
21.000	62.750	0.030000
24.000	64.150	0.030000

Name: 13J0600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	74.950	0.030000
-45.000	74.350	0.030000
-19.000	73.150	0.030000
-16.000	71.850	0.030000
-14.000	69.550	0.022000
-13.000	69.150	0.022000
-11.000	69.150	0.022000
-9.000	70.950	0.045000
-5.000	72.450	0.045000
0.000	74.250	0.110000
10.000	74.950	0.110000
25.000	75.080	0.022000

Name: 13J0640X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	75.650	0.110000
-14.000	75.650	0.110000
0.000	74.950	0.080000
5.000	70.150	0.080000
6.000	69.950	0.080000
9.000	70.250	0.080000
12.000	75.650	0.110000
37.000	75.550	0.110000
62.000	75.650	0.110000

Name: 13J0800X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-19.000	77.050	0.060000
-15.000	75.250	0.060000
-10.000	71.950	0.022000
-8.000	71.850	0.022000
-4.000	71.950	0.022000
0.000	76.550	0.060000
25.000	75.950	0.060000

Name: 13J0900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-60.000	76.250	0.030000
-40.000	75.850	0.110000
-15.000	74.850	0.110000
-13.000	73.650	0.110000
-8.000	72.450	0.080000
-5.000	71.950	0.080000
-2.000	72.550	0.080000
0.000	74.750	0.110000
25.000	74.950	0.110000
50.000	75.350	0.110000

Name: 13J1100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	77.750	0.040000
0.000	76.450	0.040000
5.000	74.050	0.040000
7.000	72.550	0.035000
9.000	71.950	0.035000
12.000	72.450	0.035000
16.000	75.050	0.080000
19.000	77.250	0.080000

Name: 13J1300X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	77.450	0.045000
-45.000	77.250	0.045000
-19.000	77.350	0.045000
-15.000	75.650	0.045000
-12.000	72.750	0.045000
-9.000	71.750	0.030000
-5.000	72.950	0.045000
-4.000	74.550	0.045000
0.000	76.950	0.045000
25.000	77.250	0.030000
50.000	77.250	0.030000

Name: 13J1400X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	77.950	0.040000
-23.000	77.550	0.045000
-19.000	75.350	0.045000
-15.000	73.050	0.035000

-12.000	72.650	0.035000
-9.000	72.650	0.035000
-5.000	75.350	0.080000
0.000	77.550	0.080000
30.000	78.550	0.080000

Name: 13J1600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-23.000	78.250	0.045000
-18.000	75.950	0.045000
-15.000	72.750	0.035000
-11.000	71.450	0.035000
-6.000	73.150	0.035000
-4.000	75.850	0.030000
0.000	77.750	0.045000
25.000	78.150	0.030000
50.000	78.250	0.030000

Name: 13J1700X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.000	76.350	0.080000
-70.000	74.950	0.080000
-68.000	73.850	0.080000
-64.000	72.850	0.080000
-61.000	73.650	0.080000
-59.000	74.750	0.080000
-55.000	76.550	0.080000
-39.000	77.150	0.080000
-18.000	78.150	0.080000
-14.000	78.150	0.080000
0.000	81.950	0.045000

Name: 13J1900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-45.000	85.550	0.045000
-25.000	82.150	0.045000
-19.000	79.150	0.045000
-14.000	75.950	0.035000
-10.000	75.050	0.035000
-7.000	76.250	0.035000
-5.000	78.250	0.040000
0.000	81.250	0.040000
25.000	81.750	0.040000
50.000	81.950	0.040000

Name: 13J2100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	81.350	0.030000
-15.000	81.250	0.080000
-12.000	79.350	0.080000
-10.000	75.550	0.080000
-8.000	75.350	0.080000
-6.000	75.650	0.080000
-4.000	78.850	0.060000
0.000	81.750	0.060000
50.000	82.350	0.030000

Name: 13K-W170 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	75.510	0.030000
4.400	73.610	0.030000
6.100	73.610	0.013000
6.101	72.000	0.013000
9.500	72.000	0.013000
9.501	73.590	0.013000
12.700	73.590	0.013000
17.100	75.490	0.030000

Name: 13K0100X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-49.000	56.050	0.110000
-24.000	55.650	0.110000
-19.000	54.450	0.110000
-15.000	54.250	0.110000
-12.000	50.750	0.080000
-9.000	50.250	0.080000
-7.000	50.650	0.080000
-5.000	53.450	0.080000
0.000	55.750	0.080000
25.000	56.350	0.030000
50.000	56.450	0.030000

Name: 13K0400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-77.000	61.120	0.030000
-67.000	60.750	0.030000
-60.000	59.450	0.030000
-43.000	57.550	0.030000
-21.000	57.050	0.030000
-20.000	55.850	0.040000
-17.000	55.050	0.040000
-15.000	55.450	0.040000
-13.000	57.350	0.030000
-10.000	57.950	0.030000
-7.000	59.550	0.030000
0.000	61.050	0.030000

Name: 13K1400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	69.050	0.040000
6.000	66.650	0.040000
10.000	65.350	0.040000
13.000	65.150	0.045000
16.000	65.250	0.040000
20.000	67.150	0.040000
24.000	68.250	0.030000
50.000	68.750	0.030000
75.000	68.950	0.030000

Name: 13K1600X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	76.950	0.040000
-11.000	75.550	0.045000
-8.000	72.450	0.050000
-7.000	72.250	0.050000
-5.000	72.450	0.050000

-4.000	74.250	0.045000
-2.000	76.150	0.040000
0.000	76.350	0.035000
20.000	76.550	0.030000

Name: 13K2000X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	82.650	0.080000
5.000	80.050	0.080000
7.000	78.350	0.050000
8.000	78.150	0.050000
10.000	78.350	0.050000
14.000	80.550	0.080000
17.000	82.350	0.080000
42.000	82.550	0.080000

Name: 13K_SJ30 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
290.000	77.950	0.150000
310.000	77.900	0.150000
330.000	77.950	0.150000
500.000	78.950	0.150000

Name: 13K_SJ35 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.550	0.150000
320.000	77.950	0.150000

Name: 13K_SJ40 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.950	0.150000
35.000	77.950	0.150000
395.000	77.150	0.150000
550.000	77.950	0.150000

Name: 13L-B09X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-13.000	57.070	0.016000
-13.000	52.550	0.016000
-9.000	51.250	0.025000
-6.000	49.350	0.025000
-4.000	48.450	0.045000
0.000	48.350	0.045000
3.000	48.950	0.045000
6.000	50.350	0.035000
10.000	51.750	0.025000
13.600	52.550	0.025000
13.600	57.020	0.016000

Name: 13L-B15X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	55.480	0.016000
-15.000	51.950	0.016000
-13.000	52.050	0.033000
-11.000	51.850	0.033000
-9.000	50.750	0.033000
-6.000	49.350	0.033000
-4.500	49.250	0.035000
-2.000	49.250	0.035000
0.000	49.350	0.035000
4.000	49.650	0.035000
6.000	50.650	0.033000
8.000	51.450	0.033000
10.000	51.750	0.033000
12.000	52.230	0.033000
13.300	52.330	0.033000
15.000	52.750	0.033000
15.000	55.440	0.016000

Name: 13L-B18R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	59.000	0.050000
20.000	57.000	0.050000
105.000	56.000	0.050000
140.000	56.000	0.015000
175.000	56.000	0.050000
190.000	57.000	0.050000

Name: 13L-B18X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
127.500	55.250	0.035000
127.500	53.750	0.035000
133.000	52.310	0.035000
133.000	55.250	0.040000
133.450	55.250	0.040000
133.450	52.310	0.040000
137.500	51.250	0.035000
138.780	51.120	0.035000
138.780	55.250	0.040000
139.230	55.250	0.040000
139.230	51.120	0.040000
143.500	50.750	0.035000
144.980	51.290	0.035000
144.980	55.250	0.040000
145.430	55.250	0.040000
145.430	51.290	0.040000
150.500	53.750	0.035000
150.500	55.250	0.035000

Name: 13L-B19R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-83.000	58.950	0.035000
-82.000	57.950	0.035000
-11.000	56.950	0.035000
0.000	55.950	0.013000
12.000	56.550	0.015000
24.000	56.550	0.015000
36.000	55.950	0.015000
47.000	55.950	0.013000
153.000	56.050	0.035000
208.000	56.950	0.035000
473.000	57.850	0.035000

Name: 13L-B19X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	55.600	0.040000
4.000	55.450	0.040000
9.530	54.010	0.045000
9.530	55.600	0.040000
9.980	55.600	0.040000
9.980	54.010	0.040000
14.000	52.950	0.045000
15.280	53.010	0.045000
15.280	55.600	0.040000
15.730	55.600	0.040000
15.730	53.010	0.040000
20.000	53.190	0.045000
21.030	53.590	0.045000
21.030	55.600	0.040000
21.480	55.600	0.040000
21.480	53.590	0.040000
27.000	55.450	0.045000
27.000	55.600	0.045000

Name: 13L-B20R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-226.000	59.950	0.040000
-225.000	57.950	0.035000
-82.000	56.250	0.035000
-32.000	56.850	0.035000
-11.000	56.820	0.035000
0.000	56.580	0.013000
12.000	57.170	0.015000
18.000	57.130	0.015000
24.000	57.130	0.015000
36.000	56.620	0.015000
47.000	56.660	0.013000
68.000	56.750	0.035000
118.000	57.150	0.035000
154.000	57.950	0.035000

Name: 13L-B20X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	56.100	0.040000
4.000	55.850	0.040000
9.530	54.390	0.035000
9.530	56.100	0.040000
9.980	56.100	0.040000
9.980	54.390	0.040000
14.000	53.310	0.035000
15.280	53.370	0.035000
15.280	56.100	0.040000
15.730	56.100	0.040000
15.730	53.370	0.040000
20.000	53.550	0.035000
21.030	53.960	0.035000
21.030	56.100	0.040000
21.480	56.100	0.040000
21.480	53.960	0.040000
27.000	56.020	0.035000
27.000	56.120	0.040000

Name: 13L-W082 Group: 13L
Encroachment: No

Revised to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.910	0.035000
4.950	51.810	0.035000
9.900	51.630	0.035000

14.850	51.490	0.035000
19.800	51.430	0.035000
24.750	51.420	0.035000
29.700	51.390	0.035000
34.660	51.350	0.035000
39.610	51.390	0.035000
44.560	51.520	0.035000
49.510	51.670	0.035000
54.460	51.750	0.035000
59.410	51.720	0.035000
64.360	51.610	0.035000
69.310	51.420	0.035000
74.260	51.390	0.035000
79.210	51.400	0.035000
84.160	51.430	0.035000
89.110	51.440	0.035000
94.070	51.460	0.035000
99.020	51.640	0.035000
103.970	51.840	0.035000
108.920	52.070	0.035000
113.870	51.970	0.035000
118.820	51.760	0.035000
123.770	51.580	0.035000
128.720	51.430	0.035000
133.670	51.180	0.035000
137.500	50.880	0.035000
141.320	50.750	0.035000
145.140	50.820	0.035000
150.120	50.990	0.035000
155.090	51.450	0.035000
159.660	51.990	0.035000
164.230	52.010	0.035000
168.800	51.690	0.035000
173.400	51.500	0.035000
178.010	51.570	0.035000
182.620	51.950	0.035000
187.220	52.120	0.035000
191.830	52.100	0.035000
196.430	52.350	0.035000
201.040	52.250	0.035000
205.640	52.460	0.035000
210.250	53.180	0.035000
214.850	53.590	0.035000
219.460	53.800	0.035000
224.160	53.940	0.035000
228.850	54.040	0.035000
233.550	54.090	0.035000
238.250	54.140	0.035000
242.950	54.180	0.035000
247.640	54.260	0.035000

Name: 13L-W190 Group: 13L
Encroachment: No

WINTER PARK DR CONTROL STRUCTURE 13L1900D

Station(ft)	Elevation(ft)	Manning's N
0.000	57.950	0.035000
10.500	54.420	0.035000
26.100	54.420	0.013000
26.110	53.450	0.013000
33.500	53.450	0.013000
33.510	54.450	0.013000
48.500	54.450	0.013000
59.000	57.950	0.035000

Name: 13L-W192 Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.250	0.030000
4.920	58.440	0.030000
9.830	58.580	0.030000
14.750	58.490	0.030000
19.670	58.350	0.030000
24.590	58.220	0.030000
29.500	58.090	0.030000
34.420	57.840	0.080000
39.340	57.400	0.080000

44.260	57.120	0.080000
49.170	57.040	0.080000
54.090	56.820	0.080000
59.010	56.680	0.080000
63.930	56.780	0.080000
68.840	56.920	0.080000
73.760	56.970	0.080000
78.680	57.120	0.080000
83.590	57.340	0.080000
88.510	57.350	0.080000
92.940	57.130	0.080000
97.370	56.910	0.080000
101.790	56.640	0.080000
106.220	56.580	0.080000
110.650	56.890	0.080000
115.080	56.860	0.080000
119.500	56.770	0.080000
123.930	56.690	0.080000
128.850	56.830	0.080000
133.770	57.040	0.080000
138.690	57.240	0.080000
143.610	57.310	0.080000
147.920	57.210	0.080000
152.220	57.130	0.080000
156.530	57.070	0.080000
160.830	57.140	0.080000
165.140	57.310	0.080000
169.440	57.550	0.080000
173.750	57.740	0.080000
178.480	57.840	0.080000
183.220	57.720	0.080000
187.950	57.450	0.080000
192.690	56.940	0.080000
197.430	56.720	0.080000
202.160	56.560	0.080000
206.900	56.530	0.080000
211.630	56.600	0.080000
216.370	56.840	0.080000
221.110	57.350	0.080000
225.840	58.020	0.080000
230.580	58.130	0.080000
235.320	58.240	0.080000
240.050	58.560	0.080000
244.790	58.790	0.080000
249.710	59.050	0.080000
254.630	58.980	0.080000
259.550	58.330	0.080000
264.460	57.780	0.080000
269.380	57.420	0.080000
274.300	57.270	0.080000
279.220	57.440	0.080000
284.140	57.570	0.080000
289.060	57.280	0.080000
293.980	57.030	0.080000
298.900	56.840	0.080000
303.820	56.710	0.080000
308.740	56.460	0.080000
313.650	56.220	0.080000
318.570	56.170	0.080000
323.490	56.110	0.080000
328.410	56.010	0.080000
333.330	56.090	0.080000
338.250	56.300	0.080000
343.170	56.430	0.080000
348.090	56.240	0.080000
352.750	56.090	0.080000
357.410	55.910	0.080000
362.070	55.970	0.080000
366.730	56.160	0.080000
371.390	56.330	0.080000
376.060	56.390	0.080000
380.720	56.480	0.080000
385.380	56.470	0.080000
390.050	56.430	0.080000
394.720	56.380	0.080000
399.390	56.320	0.080000
404.050	56.300	0.080000
408.720	56.290	0.080000
413.390	56.220	0.080000
418.050	56.000	0.080000
423.010	55.960	0.080000
427.970	55.830	0.080000
432.930	55.720	0.080000
437.890	55.630	0.080000
442.860	55.660	0.080000

447.820	55.700	0.080000
452.780	55.790	0.080000
457.140	55.680	0.080000
461.500	55.620	0.080000
465.860	55.610	0.080000
470.220	55.560	0.080000
474.580	55.450	0.080000
478.940	55.330	0.080000
483.310	55.220	0.080000
488.160	55.110	0.080000
493.020	55.040	0.080000
497.880	55.030	0.080000
502.740	55.100	0.080000
507.600	55.110	0.080000
512.460	55.050	0.080000
517.320	55.000	0.080000
522.180	55.040	0.080000
527.040	54.980	0.080000
531.890	54.970	0.080000
536.750	54.990	0.080000
541.610	55.030	0.080000
546.470	55.070	0.080000
551.330	55.070	0.080000
556.190	55.050	0.080000
561.050	55.030	0.080000
565.910	55.000	0.080000
570.760	55.010	0.080000
575.620	55.110	0.080000
580.480	55.310	0.080000
585.450	55.400	0.080000
590.410	55.400	0.080000
595.380	55.440	0.080000
600.340	55.450	0.080000
605.310	55.490	0.080000
610.270	55.600	0.080000
615.240	55.880	0.080000
620.200	55.930	0.080000
625.170	56.040	0.080000
630.040	56.040	0.080000
634.910	56.000	0.080000
639.780	55.860	0.080000
644.650	55.750	0.080000
649.520	55.700	0.080000
654.390	55.650	0.080000
659.260	55.610	0.080000
664.130	55.580	0.080000
669.000	55.580	0.080000
673.860	55.590	0.080000
678.730	55.570	0.080000
683.600	55.540	0.080000
688.470	55.510	0.080000
693.340	55.550	0.080000
698.210	55.710	0.080000
702.990	55.770	0.080000
707.770	55.640	0.080000
712.550	55.480	0.080000
717.320	55.350	0.080000
722.100	55.290	0.080000
726.880	55.340	0.080000
731.660	55.570	0.080000
736.430	55.980	0.080000
741.210	56.030	0.080000
745.990	56.060	0.080000
750.760	56.010	0.080000
755.420	55.870	0.080000
760.080	55.900	0.080000
764.740	56.070	0.080000
769.400	56.090	0.080000
774.060	56.030	0.080000
778.720	56.070	0.080000
783.380	56.140	0.080000
788.030	56.200	0.080000
792.690	56.250	0.080000
797.350	56.350	0.080000
802.010	56.500	0.080000
806.800	56.710	0.080000
811.590	56.880	0.080000
816.370	56.920	0.080000
821.160	56.990	0.080000
825.950	57.080	0.080000
830.740	57.210	0.080000
835.520	57.410	0.080000
840.310	57.480	0.080000
845.100	57.590	0.080000
849.890	57.780	0.080000

854.680	58.120	0.080000
859.460	58.660	0.030000
864.250	59.530	0.030000
869.040	59.740	0.030000
873.830	59.370	0.030000
878.800	59.170	0.030000
883.760	59.280	0.030000
888.730	59.960	0.030000
893.700	60.700	0.030000
898.670	61.160	0.030000

Name: 13L-W196 Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-210.000	57.850	0.035000
0.000	56.950	0.035000
140.000	55.950	0.035000
170.000	55.450	0.072500
200.000	55.950	0.110000
260.000	56.950	0.110000
470.000	57.950	0.110000

Name: 13L-W311 Group: 13L
Encroachment: No

points revised from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	85.500	0.050000
4.470	85.330	0.050000
8.930	85.190	0.050000
13.400	85.300	0.050000
17.860	85.260	0.050000
22.330	85.080	0.050000
26.800	85.000	0.050000
31.770	85.000	0.050000
36.740	84.780	0.050000
41.710	84.590	0.050000
46.690	84.560	0.050000
51.660	84.660	0.050000
56.630	84.890	0.050000
61.500	84.430	0.050000
66.370	84.340	0.050000
71.250	84.460	0.050000
76.120	84.500	0.050000
80.990	84.440	0.050000
85.860	84.220	0.050000
90.800	84.090	0.050000
95.730	84.060	0.050000
100.670	84.120	0.050000
105.600	84.180	0.050000
110.540	84.190	0.050000
115.470	84.300	0.050000
120.410	84.230	0.050000
125.340	84.190	0.050000
130.270	84.080	0.050000
135.190	84.080	0.050000
140.110	84.130	0.050000
145.040	84.220	0.050000
149.960	84.290	0.050000
154.490	84.250	0.050000
159.020	84.290	0.050000
163.550	84.220	0.050000
168.080	84.290	0.050000
172.610	84.360	0.050000
177.140	84.300	0.050000
181.670	84.350	0.050000
186.550	84.170	0.050000
191.430	84.300	0.050000
196.310	84.320	0.050000
201.200	84.200	0.050000
206.080	84.430	0.050000
210.960	84.570	0.050000
215.250	84.460	0.050000
219.530	84.350	0.050000
223.820	84.380	0.050000
228.110	84.480	0.050000
232.400	84.430	0.050000

236.480	84.320	0.050000
240.570	84.410	0.050000
244.650	84.360	0.050000
248.740	84.440	0.050000
252.970	84.620	0.050000
257.200	84.760	0.050000
261.430	84.750	0.050000
265.670	84.650	0.050000
270.200	84.670	0.050000
274.730	84.750	0.050000
279.270	84.950	0.050000
283.800	84.780	0.050000
288.010	84.760	0.050000
292.210	85.110	0.050000
296.420	85.350	0.050000

Name: 13L0100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.150	0.030000
2.000	51.350	0.040000
4.000	49.350	0.040000
11.000	47.050	0.080000
15.000	47.250	0.080000
21.000	47.750	0.040000
24.000	48.450	0.030000
28.000	49.550	0.030000
29.000	50.950	0.030000
35.000	52.650	0.030000

Name: 13L0200X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	54.950	0.030000
3.000	54.350	0.080000
5.000	53.150	0.080000
7.000	52.950	0.080000
9.000	50.750	0.080000
18.000	48.350	0.080000
20.000	48.650	0.045000
24.000	49.650	0.045000
28.000	52.050	0.045000
32.000	54.350	0.040000
57.000	55.050	0.030000

Name: 13L0400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.130	0.013000
3.630	52.100	0.013000
4.820	52.080	0.030000
9.640	50.600	0.030000
14.460	49.570	0.030000
19.280	49.460	0.030000
24.100	49.460	0.030000
28.920	49.460	0.030000
33.740	49.460	0.030000
38.560	49.460	0.030000
43.380	49.460	0.030000
48.200	49.460	0.030000
53.020	49.460	0.030000
57.840	49.760	0.030000
62.660	51.340	0.050000
67.480	52.170	0.060000
72.300	52.010	0.060000

Name: 13L0700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.350	0.030000
1.000	51.050	0.040000
3.000	49.650	0.040000
5.000	48.950	0.040000
8.000	47.850	0.035000
13.000	46.550	0.035000
18.000	46.750	0.035000
39.000	48.050	0.035000
46.000	50.450	0.080000
49.000	51.250	0.080000
57.000	51.350	0.080000
72.000	52.750	0.080000

Name: 13L1200X Group: 13L
Encroachment: No

Revision
Added - Golf Cart path seperating Middle and South Triplet Lake

Station(ft)	Elevation(ft)	Manning's N
0.000	52.230	0.030000
4.990	52.180	0.030000
9.980	52.180	0.030000
14.970	52.180	0.030000
19.950	52.040	0.030000
24.940	52.010	0.030000
29.930	52.050	0.030000
34.920	52.040	0.030000
39.910	51.990	0.030000
44.900	51.940	0.030000
49.890	51.970	0.030000
54.870	52.080	0.030000
59.860	52.200	0.030000
84.800	51.830	0.030000
89.790	51.230	0.030000
94.780	50.600	0.030000
99.770	49.980	0.030000
104.760	49.570	0.030000
109.750	49.460	0.030000
114.740	49.460	0.030000
119.720	49.440	0.030000
124.710	49.570	0.030000
129.700	50.200	0.030000
134.690	50.980	0.030000
139.680	51.330	0.030000
144.670	51.500	0.030000
149.660	51.810	0.030000
154.640	52.000	0.030000
159.630	52.060	0.030000
164.620	52.190	0.030000
169.610	52.330	0.030000
174.600	52.530	0.030000
179.590	52.650	0.030000
184.570	52.740	0.030000
189.560	52.830	0.030000
194.550	52.880	0.030000
199.540	53.000	0.030000
204.530	53.120	0.030000
209.520	53.200	0.030000
214.510	53.300	0.030000

Name: 13L1202XW Group: GEE
Encroachment: No

DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	60.490	0.000000
4.600	60.450	0.000000
9.200	60.410	0.000000
13.800	60.320	0.000000
18.400	59.960	0.000000
22.900	60.440	0.000000
26.700	60.470	0.000000
30.600	60.370	0.000000
34.700	60.290	0.000000
38.800	60.320	0.000000

42.900	60.480	0.000000
47.000	60.570	0.000000
52.000	60.690	0.000000
56.900	60.470	0.000000
62.200	60.500	0.000000

Name: 13L1300X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.450	0.040000
2.000	51.050	0.045000
5.000	49.550	0.045000
9.000	47.850	0.040000
17.000	47.450	0.040000
20.000	48.350	0.040000
24.000	50.250	0.040000
25.000	51.250	0.040000
31.000	52.250	0.030000

Name: 13L1400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.590	0.013000
0.200	52.450	0.020000
1.500	51.950	0.020000
4.000	51.550	0.020000
5.000	51.150	0.035000
7.000	49.850	0.035000
9.000	49.150	0.035000
12.000	48.950	0.035000
17.000	49.550	0.035000
19.000	49.950	0.035000
21.000	50.550	0.035000
23.000	51.450	0.035000
25.000	51.950	0.030000
27.000	52.350	0.030000
29.000	52.750	0.030000
30.000	52.850	0.030000
30.200	57.820	0.013000

Name: 13L1600X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.510	0.013000
0.200	51.950	0.030000
2.000	52.050	0.030000
4.000	51.850	0.030000
6.000	50.750	0.030000
9.000	49.350	0.030000
10.500	49.250	0.035000
13.000	49.250	0.035000
15.000	49.350	0.035000
19.000	49.650	0.035000
21.000	50.650	0.030000
23.000	51.450	0.030000
25.000	51.750	0.030000
27.000	52.230	0.030000
28.300	52.330	0.030000
30.000	52.750	0.030000
30.200	57.510	0.013000

Name: 13L1890XW1 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	59.390	0.000000

4.200	59.250	0.000000
8.400	58.900	0.000000
12.600	58.960	0.000000
16.800	59.080	0.000000
20.900	58.970	0.000000
25.100	58.800	0.000000
29.300	58.610	0.000000
33.500	58.420	0.000000
37.700	58.280	0.000000
41.800	57.920	0.000000
46.400	57.640	0.000000
51.000	57.560	0.000000
55.600	57.540	0.000000
60.200	57.510	0.000000
64.800	57.500	0.000000
69.400	57.580	0.000000
74.100	57.540	0.000000
78.700	57.510	0.000000
83.300	57.550	0.000000
87.900	57.460	0.000000
92.500	57.380	0.000000
97.100	57.340	0.000000
101.900	57.300	0.000000
106.800	57.440	0.000000
111.700	57.350	0.000000
116.600	57.290	0.000000
121.500	57.260	0.000000
126.300	57.140	0.000000
131.100	57.120	0.000000
136.000	57.100	0.000000
140.800	57.080	0.000000
145.700	57.030	0.000000
150.500	57.040	0.000000
155.300	57.020	0.000000
160.200	56.950	0.000000
165.000	56.950	0.000000
169.800	57.000	0.000000
174.700	56.930	0.000000
179.500	56.790	0.000000
184.400	56.770	0.000000
189.200	56.690	0.000000
194.100	56.730	0.000000
199.000	56.650	0.000000
203.800	56.690	0.000000
208.700	56.610	0.000000
213.600	56.630	0.000000
218.400	56.640	0.000000
223.300	56.630	0.000000
228.100	56.680	0.000000
233.000	56.650	0.000000
237.900	56.680	0.000000
242.700	56.640	0.000000
247.600	56.560	0.000000
252.400	56.590	0.000000
257.300	56.650	0.000000
262.200	56.600	0.000000
267.000	56.610	0.000000
271.900	56.630	0.000000
276.800	56.620	0.000000
281.600	56.620	0.000000
286.500	56.660	0.000000
291.300	56.660	0.000000
296.000	56.710	0.000000
300.600	56.730	0.000000
305.200	56.750	0.000000
309.800	56.810	0.000000
314.400	56.800	0.000000
319.000	56.870	0.000000
323.600	56.870	0.000000
328.300	56.920	0.000000
332.900	56.930	0.000000
337.500	57.020	0.000000
342.100	57.050	0.000000
346.700	57.110	0.000000
351.600	57.180	0.000000
356.400	57.210	0.000000
361.200	57.440	0.000000
366.000	57.420	0.000000
370.800	57.420	0.000000
375.700	57.570	0.000000
380.500	57.810	0.000000
385.300	57.980	0.000000
393.400	58.100	0.000000

Name: 13L1890XW2 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	56.410	0.000000
5.000	56.450	0.000000
9.900	56.410	0.000000
14.900	56.420	0.000000
19.800	56.430	0.000000
24.800	56.360	0.000000
29.700	56.340	0.000000
34.300	56.360	0.000000
38.900	56.330	0.000000
43.400	56.290	0.000000
48.000	56.240	0.000000
52.700	56.190	0.000000
57.400	56.090	0.000000
62.200	55.940	0.000000
66.900	55.830	0.000000
71.700	55.750	0.000000
76.400	55.700	0.000000
81.100	55.710	0.000000
85.900	55.670	0.000000
90.600	55.620	0.000000
95.300	55.610	0.000000
100.100	55.630	0.000000
104.800	55.650	0.000000
109.200	55.650	0.000000
113.600	55.560	0.000000
118.000	55.530	0.000000
122.400	55.600	0.000000
126.800	55.630	0.000000
131.200	55.590	0.000000
136.100	55.510	0.000000
140.900	55.380	0.000000
145.800	55.350	0.000000
150.700	55.370	0.000000
155.300	55.440	0.000000
160.000	55.750	0.000000
164.600	56.610	0.000000
169.600	58.300	0.000000
174.500	59.990	0.000000
178.900	60.730	0.000000

Name: 13L1945X Group: 13L
Encroachment: No

Revision
xsec points estimated from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.870	0.030000
4.690	58.790	0.030000
9.380	58.680	0.030000
14.070	58.640	0.030000
18.760	58.660	0.030000
23.450	58.650	0.030000
28.140	58.630	0.030000
32.830	58.650	0.030000
37.510	58.660	0.030000
41.930	58.670	0.030000
46.350	58.710	0.030000
50.770	58.720	0.030000
55.180	58.740	0.030000
59.600	58.680	0.030000
64.020	58.660	0.030000
68.430	58.600	0.030000
73.140	58.590	0.030000
77.840	58.630	0.030000
82.540	58.690	0.030000
87.250	58.720	0.030000
91.950	58.760	0.030000
96.650	58.780	0.030000
101.360	58.790	0.030000
106.060	58.790	0.030000
110.760	58.800	0.030000
115.470	58.810	0.030000
120.170	58.840	0.030000

Name: 13L1951X Group: GEE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	56.862	0.000000
4.565	56.816	0.000000
9.129	56.693	0.000000
13.694	56.453	0.000000
18.259	56.252	0.000000
23.011	56.270	0.000000
27.763	56.623	0.000000
32.515	56.762	0.000000
37.268	57.042	0.000000
41.208	57.152	0.000000
45.149	57.325	0.000000
49.090	57.579	0.000000
53.031	57.783	0.000000

Name: 13L2300X Group: BASE
Encroachment: No

FROM DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	68.690	0.000000
5.000	68.660	0.000000
9.900	68.620	0.000000
14.900	68.580	0.000000
19.900	68.540	0.000000
24.800	68.460	0.000000
29.800	68.190	0.000000
34.800	67.980	0.000000
39.700	67.790	0.000000
44.700	67.590	0.000000
49.700	67.430	0.000000
54.400	67.330	0.000000
59.200	67.260	0.000000
63.900	67.350	0.000000
68.700	67.540	0.000000
73.500	67.750	0.000000
78.300	67.920	0.000000
83.100	67.890	0.000000
87.800	67.880	0.000000
92.600	67.870	0.000000
97.400	67.900	0.000000
97.800	67.890	0.000000

Name: 13L2400XW Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	72.770	0.000000
4.700	72.620	0.000000
9.400	71.980	0.000000
14.100	71.830	0.000000
18.900	71.980	0.000000
23.600	72.070	0.000000
28.300	71.980	0.000000
33.000	71.890	0.000000
37.700	72.000	0.000000
42.400	72.100	0.000000
46.800	72.420	0.000000

Name: 13L2700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	75.950	0.030000
-32.000	75.450	0.030000
-27.000	74.150	0.030000
-21.000	71.580	0.040000
-18.000	69.750	0.040000

-16.000	69.390	0.040000
-12.000	69.470	0.040000
-9.000	71.550	0.040000
0.000	74.850	0.030000
25.000	74.950	0.030000

Name: 13L2800X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	79.650	0.030000
-32.000	78.850	0.030000
-28.000	78.250	0.040000
-24.000	75.750	0.045000
-20.000	71.750	0.045000
-13.000	70.550	0.080000
-7.000	71.750	0.045000
-5.000	74.650	0.045000
-1.000	77.750	0.030000
0.000	77.750	0.030000

Name: 13L3000X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	80.280	0.030000
-35.000	80.050	0.030000
-28.000	75.850	0.045000
-24.000	72.850	0.045000
-18.000	72.450	0.040000
-12.000	73.050	0.045000
-9.000	75.550	0.045000
-4.000	79.150	0.030000
0.000	79.850	0.030000

Name: 13L3100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	81.290	0.040000
-32.000	81.250	0.045000
-26.000	78.450	0.045000
-20.000	73.350	0.045000
-17.000	72.750	0.045000
-12.000	73.250	0.045000
-10.000	76.850	0.045000
-5.000	79.650	0.030000
0.000	80.750	0.030000

Name: 13M0300X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-44.000	54.350	0.030000
-40.000	53.350	0.030000
-36.000	49.650	0.035000
-19.000	48.650	0.045000
-11.000	53.550	0.050000
0.000	54.650	0.050000
25.000	54.750	0.030000

Name: 13M0400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

0.000	53.950	0.050000
10.000	51.950	0.050000
12.000	49.750	0.035000
16.000	47.950	0.035000
60.000	51.950	0.035000
70.000	52.950	0.050000
80.000	53.950	0.050000

Name: 13M0500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-66.000	54.250	0.030000
-41.000	53.050	0.030000
-35.000	49.550	0.050000
-32.000	47.750	0.050000
-29.000	46.150	0.050000
-22.000	46.250	0.050000
-15.000	46.250	0.050000
-9.000	49.650	0.050000
-5.000	52.050	0.050000
0.000	53.650	0.030000
25.000	53.350	0.030000
50.000	54.750	0.030000

Name: 13M0700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	55.250	0.030000
0.000	54.550	0.030000
3.000	54.250	0.030000
7.000	52.550	0.040000
9.000	50.750	0.040000
13.000	50.550	0.035000
19.000	50.750	0.040000
21.000	53.050	0.050000
23.000	53.750	0.080000

Name: 13M1100X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.950	0.030000
3.000	58.950	0.030000
10.000	56.250	0.030000
18.000	55.350	0.045000
26.000	53.150	0.080000
28.000	52.750	0.080000
30.000	53.550	0.080000
33.000	54.950	0.080000
40.000	56.050	0.080000
42.000	56.350	0.080000

Name: 13M1200X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.150	0.030000
17.000	56.350	0.030000
23.000	55.350	0.040000
28.000	54.350	0.045000
31.000	53.750	0.045000
35.000	54.150	0.045000
39.000	54.550	0.045000
43.000	55.950	0.045000
46.000	56.850	0.045000

Name: 13M1400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-5.000	59.050	0.030000
0.000	58.050	0.030000
19.000	56.850	0.045000
25.000	55.950	0.045000
30.000	54.850	0.045000
33.000	54.150	0.045000
36.000	54.850	0.045000
41.000	56.750	0.045000
45.000	58.050	0.045000

Name: 13M1400XW Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	58.390	0.000000
5.000	58.430	0.000000
9.900	57.710	0.000000
14.900	56.560	0.000000
19.800	56.150	0.000000
24.800	56.510	0.000000
29.800	57.730	0.000000
34.700	58.760	0.000000

Name: 13M1500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.000	61.750	0.030000
-28.000	59.050	0.030000
-14.000	55.050	0.040000
-11.000	55.450	0.080000
-8.000	55.050	0.080000
-5.000	57.150	0.080000
0.000	58.650	0.080000

Name: 13M1700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	61.250	0.030000
-25.000	60.150	0.030000
0.000	59.750	0.080000
3.000	58.350	0.080000
5.000	56.650	0.080000
8.000	55.550	0.035000
25.000	56.750	0.040000
27.000	55.650	0.040000
29.000	59.250	0.030000
55.000	60.050	0.030000

Name: 13M2331X Group: 13M
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	74.740	0.030000
3.710	74.630	0.030000
7.420	74.540	0.030000
11.130	74.370	0.030000
14.580	73.840	0.030000
18.020	73.220	0.030000
21.460	73.330	0.030000
25.300	74.060	0.030000

29.150	74.510	0.030000
32.340	74.490	0.030000
35.540	74.520	0.030000

Name: 13M2331XW2 Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	73.590	0.000000
4.700	73.440	0.000000
9.400	73.370	0.000000
14.100	73.310	0.000000
18.800	73.290	0.000000
23.500	73.280	0.000000
28.200	73.190	0.000000
32.800	73.230	0.000000
37.500	73.080	0.000000
42.200	73.150	0.000000
46.900	73.240	0.000000
51.600	73.220	0.000000
56.300	73.180	0.000000
61.000	73.190	0.000000
65.700	73.220	0.000000
70.400	73.250	0.000000
75.100	73.240	0.000000
79.800	73.160	0.000000
84.500	73.050	0.000000
89.300	72.990	0.000000
94.000	72.920	0.000000
98.700	72.880	0.000000
103.400	72.820	0.000000
108.200	72.780	0.000000
112.900	72.600	0.000000
117.600	72.450	0.000000
122.300	72.290	0.000000
127.100	72.100	0.000000
131.800	71.840	0.000000
136.500	71.500	0.000000
141.200	71.250	0.000000
146.100	71.070	0.000000
151.000	70.950	0.000000
155.900	70.830	0.000000
160.700	70.660	0.000000
165.600	70.460	0.000000
170.500	70.360	0.000000
175.300	70.340	0.000000
180.200	70.240	0.000000
185.100	70.190	0.000000
189.900	70.190	0.000000
194.800	69.960	0.000000
199.700	69.910	0.000000
204.500	69.950	0.000000
209.400	69.930	0.000000
214.300	69.920	0.000000
219.100	69.960	0.000000
224.000	70.030	0.000000
228.900	70.150	0.000000
233.700	70.270	0.000000
238.600	70.370	0.000000
243.500	70.370	0.000000
248.300	70.460	0.000000
253.200	70.440	0.000000
258.100	70.420	0.000000
262.900	70.430	0.000000
267.700	70.400	0.000000
272.400	70.390	0.000000
277.100	70.400	0.000000
281.800	70.410	0.000000
286.500	70.420	0.000000
291.200	70.390	0.000000
295.900	70.400	0.000000
300.100	70.300	0.000000
304.300	70.220	0.000000
308.500	70.170	0.000000
312.700	70.200	0.000000
316.900	70.170	0.000000
321.100	70.180	0.000000
326.000	70.140	0.000000
330.800	70.080	0.000000
335.600	70.010	0.000000
340.500	69.920	0.000000

345.300	69.960	0.000000
350.100	69.990	0.000000
354.900	69.950	0.000000
359.700	69.910	0.000000
364.500	69.770	0.000000
369.300	69.630	0.000000
374.100	69.600	0.000000
378.900	69.590	0.000000
383.700	69.530	0.000000
388.500	69.480	0.000000
393.300	69.450	0.000000
398.100	69.400	0.000000
402.900	69.410	0.000000
407.700	69.410	0.000000
412.500	69.400	0.000000
417.300	69.320	0.000000
422.100	69.280	0.000000
426.900	69.270	0.000000
431.700	69.240	0.000000
436.500	69.200	0.000000
441.300	69.130	0.000000
446.100	69.080	0.000000
450.900	69.060	0.000000
455.700	69.050	0.000000
460.500	69.050	0.000000
465.300	69.120	0.000000
470.100	69.130	0.000000
474.900	69.080	0.000000
479.700	69.080	0.000000
484.500	69.100	0.000000
489.300	69.120	0.000000
494.100	69.150	0.000000
498.800	69.100	0.000000
503.500	68.920	0.000000
508.200	68.710	0.000000
512.900	68.660	0.000000
517.600	68.540	0.000000
522.300	68.430	0.000000
527.000	68.330	0.000000
531.700	68.190	0.000000
536.400	68.110	0.000000
541.100	68.010	0.000000
545.800	67.980	0.000000
552.300	67.820	0.000000

Name: 13M2334X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	72.950	0.035000
15.000	71.950	0.035000
60.000	70.950	0.035000
100.000	69.950	0.035000
107.500	69.350	0.035000
115.000	69.950	0.035000
130.000	72.950	0.035000

Name: 13M2340X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	73.950	0.035000
15.000	72.950	0.035000
25.000	71.950	0.035000
65.000	70.950	0.035000
70.000	69.950	0.035000
85.000	69.950	0.035000
105.000	70.950	0.035000
125.000	71.950	0.035000
145.000	73.950	0.035000

Name: 13N0100X Group: 13N
Encroachment: No

Revised points to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.480	0.050000
4.990	51.340	0.050000
9.980	51.210	0.050000
14.970	51.130	0.050000
19.960	51.090	0.050000
24.950	51.090	0.050000
29.940	51.120	0.050000
34.930	51.390	0.050000
39.920	51.770	0.050000
44.910	50.630	0.035000
49.900	49.490	0.035000
54.890	49.420	0.035000
59.870	49.640	0.035000
64.860	50.780	0.035000
69.850	51.600	0.035000
74.840	51.820	0.050000
79.830	51.820	0.050000
84.820	51.740	0.050000
89.810	51.560	0.050000
94.800	51.470	0.050000
99.790	51.530	0.050000
104.780	51.480	0.050000
105.870	51.450	0.050000

Name: 13N0200X Group: 13N
Encroachment: No

xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.630	0.030000
4.910	56.630	0.030000
9.820	56.620	0.030000
14.730	56.560	0.030000
19.640	56.520	0.030000
24.550	56.500	0.030000
29.460	56.470	0.030000
34.370	56.450	0.030000
39.280	56.400	0.030000
44.190	56.360	0.030000
48.910	56.290	0.030000
53.630	56.250	0.030000
58.350	56.180	0.030000
63.070	56.140	0.030000
67.780	56.080	0.030000
72.500	56.020	0.030000
77.220	56.030	0.030000
81.940	55.960	0.030000
86.650	55.960	0.030000
91.370	55.930	0.030000
96.090	55.920	0.030000
100.810	55.880	0.030000
105.520	55.850	0.030000
110.240	55.870	0.030000
114.960	55.870	0.030000
119.630	55.890	0.030000
124.290	55.870	0.030000
128.960	55.880	0.030000
133.620	55.900	0.030000
138.290	56.010	0.030000
142.950	56.100	0.030000
147.620	56.090	0.030000
152.310	56.230	0.030000
157.010	56.300	0.030000
161.700	56.300	0.030000
161.960	56.310	0.030000

Name: 13N0300X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	54.750	0.060000
0.000	54.250	0.040000
4.000	51.950	0.040000
7.000	49.850	0.035000
9.000	49.850	0.035000
12.000	49.850	0.035000

15.000	51.250	0.050000
23.000	55.750	0.050000
34.000	54.150	0.110000

Name: 13N0350X Group: 13N
Encroachment: No

ELEVATIONS FROM LIDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	57.120	0.030000
4.960	56.960	0.030000
9.920	56.920	0.030000
14.880	56.860	0.030000
19.840	56.790	0.030000
24.810	56.770	0.030000
29.770	56.760	0.030000
34.730	56.700	0.030000
39.690	56.670	0.030000
44.650	56.630	0.030000
49.610	56.610	0.030000
54.570	56.570	0.030000
59.530	56.520	0.030000
64.490	56.480	0.030000
69.460	56.430	0.030000
74.420	56.460	0.030000
79.380	56.430	0.030000
83.550	56.410	0.030000
87.730	56.390	0.030000
91.900	56.500	0.030000
96.070	56.590	0.030000

Name: 13N0400X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	57.050	0.030000
0.000	56.350	0.030000
5.000	55.350	0.045000
9.000	54.050	0.045000
11.000	51.850	0.040000
16.000	51.850	0.040000
19.000	51.950	0.040000
22.000	54.050	0.045000
28.000	55.150	0.050000

Name: 13N0500X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	59.200	0.030000
4.980	59.020	0.030000
9.960	58.890	0.030000
14.940	58.860	0.030000
19.920	58.900	0.030000
24.900	58.980	0.030000
29.880	58.920	0.030000
34.860	58.760	0.030000
39.840	58.770	0.030000
44.820	58.730	0.030000
49.800	58.650	0.030000
54.780	58.640	0.030000
59.760	58.650	0.030000
64.740	58.700	0.030000
69.720	58.780	0.030000
74.700	58.790	0.030000
79.680	58.760	0.030000
84.660	58.740	0.030000
89.640	58.740	0.030000
94.620	58.780	0.030000
99.600	58.960	0.030000
104.580	59.090	0.030000
109.560	59.110	0.030000
114.540	59.120	0.030000
119.520	59.130	0.030000

124.500	59.190	0.030000
129.480	59.180	0.030000
134.460	59.340	0.030000

Name: 13N0600X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	57.250	0.030000
-50.000	57.250	0.030000
-23.000	55.650	0.050000
-19.000	55.450	0.050000
-17.000	53.850	0.050000
-15.000	52.250	0.050000
-10.000	51.950	0.050000
-6.000	52.850	0.050000
-3.000	53.950	0.050000
0.000	55.250	0.050000
65.000	55.950	0.030000

Name: 13N0700X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	56.257	0.060000
4.936	56.197	0.060000
9.872	55.777	0.060000
14.807	55.656	0.060000
19.743	55.518	0.060000
24.679	55.320	0.060000
29.615	55.211	0.060000
34.551	55.332	0.060000
39.486	55.285	0.060000
44.422	55.159	0.060000
49.358	55.113	0.060000
54.294	55.164	0.060000
59.230	55.243	0.060000
64.165	55.084	0.060000
69.101	54.966	0.060000
74.037	54.991	0.060000
78.973	55.279	0.060000
83.909	55.376	0.060000
88.844	55.074	0.060000
93.780	54.561	0.060000
98.716	54.213	0.060000
103.652	54.687	0.060000
108.227	54.423	0.060000
112.803	54.072	0.060000
117.379	53.884	0.060000
121.954	53.903	0.060000
126.530	54.060	0.060000
131.106	54.345	0.060000
135.681	54.549	0.060000
140.257	54.677	0.060000
144.833	54.530	0.060000
149.408	54.681	0.060000
153.984	54.617	0.060000
158.541	54.605	0.060000
163.098	54.702	0.060000
167.655	54.479	0.060000
172.212	54.368	0.060000
176.769	54.404	0.060000
181.327	54.723	0.060000
185.884	55.134	0.060000
190.441	55.605	0.060000
194.998	55.082	0.060000
199.555	54.765	0.060000
204.520	54.566	0.060000
209.485	54.639	0.060000
214.450	54.846	0.060000
219.415	55.070	0.060000
224.380	55.228	0.060000
229.345	55.655	0.060000
234.311	56.085	0.060000
239.276	56.267	0.060000
244.241	56.361	0.060000
248.992	56.499	0.060000

Name: 13P-W175 Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	80.350	0.035000
5.000	78.890	0.035000
5.000	79.990	0.013000
7.500	79.990	0.013000
8.500	76.490	0.013000
13.500	76.490	0.013000
14.500	79.990	0.013000
17.000	79.990	0.013000
17.000	78.230	0.013000
25.400	80.850	0.035000

Name: 13P0100X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	56.050	0.030000
-54.000	55.350	0.030000
-29.000	54.150	0.030000
-23.000	53.250	0.050000
-20.000	51.650	0.050000
-17.000	50.550	0.050000
-14.000	50.350	0.050000
-10.000	50.450	0.050000
-8.000	51.150	0.050000
-6.000	52.350	0.050000
0.000	53.050	0.030000

Name: 13P0200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.850	0.030000
11.000	57.250	0.040000
14.000	55.550	0.040000
16.000	54.050	0.040000
18.000	53.950	0.040000
19.000	54.050	0.045000
21.000	54.350	0.045000
25.000	55.950	0.045000
29.000	57.350	0.045000

Name: 13P0400X Group: 13P
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	62.010	0.030000
4.260	62.110	0.030000
8.510	62.330	0.030000
12.770	62.490	0.030000
17.030	62.410	0.030000
21.400	62.130	0.030000
25.770	60.660	0.045000
30.150	58.800	0.045000
34.520	58.570	0.045000
38.900	59.780	0.045000
43.270	60.950	0.045000
48.120	61.430	0.045000
52.960	61.460	0.030000
57.810	61.160	0.030000
62.650	61.120	0.030000
67.500	61.250	0.030000
71.900	61.450	0.030000
76.300	61.680	0.030000
80.690	61.840	0.030000

85.090	62.040	0.030000
89.490	62.310	0.030000
93.890	62.640	0.030000

Name: 13P0450TMX Group: 13P
Encroachment: No

Revision
xsecs points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.650	0.030000
4.880	55.410	0.030000
9.760	55.090	0.030000
14.640	54.860	0.030000
19.520	54.680	0.030000
24.400	54.550	0.030000
29.270	54.400	0.030000
34.150	54.090	0.030000
39.030	53.550	0.060000
43.910	52.120	0.060000
48.790	51.880	0.060000
53.670	51.750	0.060000
58.550	52.940	0.060000
63.430	53.370	0.060000
68.310	53.080	0.060000
73.190	52.960	0.040000
78.070	53.260	0.040000
82.950	53.570	0.040000
87.820	53.740	0.040000
92.700	53.620	0.040000
95.340	53.540	0.030000
97.980	53.460	0.030000

Name: 13P0450X Group: 13P
Encroachment: No

Revision
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.940	0.030000
4.630	55.600	0.030000
9.270	55.560	0.030000
13.900	55.000	0.040000
18.540	53.510	0.050000
23.170	53.950	0.050000
27.810	55.150	0.050000
32.440	55.290	0.040000
37.080	55.250	0.030000
41.710	55.240	0.030000
46.340	55.120	0.030000
50.980	55.020	0.030000

Name: 13P0500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	65.250	0.030000
-30.000	62.050	0.030000
0.000	60.050	0.030000
15.000	59.850	0.110000
100.000	59.650	0.110000
150.000	60.450	0.110000
190.000	59.850	0.110000
223.000	60.050	0.110000
233.000	62.650	0.110000
240.000	65.150	0.110000
270.000	66.150	0.110000
287.000	63.550	0.110000
322.000	65.650	0.110000
337.000	67.150	0.030000

Name: 13P0600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.000	65.150	0.030000
-66.000	63.950	0.035000
-41.000	62.350	0.035000
-16.000	63.750	0.080000
-11.000	62.750	0.080000
-6.000	61.650	0.080000
-5.000	61.450	0.080000
-2.000	61.150	0.080000
0.000	63.250	0.080000
25.000	64.450	0.035000
50.000	66.850	0.035000

Name: 13P0860X Group: 13P
Encroachment: No

Added
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	72.580	0.030000
4.830	71.990	0.030000
9.660	71.400	0.030000
14.490	71.000	0.030000
19.330	70.560	0.030000
24.160	69.530	0.030000
28.990	68.190	0.060000
33.820	66.760	0.060000
38.650	65.340	0.060000
43.480	67.190	0.060000
48.310	70.270	0.060000
53.140	71.290	0.030000
57.980	71.300	0.030000
62.810	71.360	0.030000
67.640	71.390	0.030000
72.470	71.490	0.030000

Name: 13P0900X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	70.650	0.030000
-25.000	70.050	0.030000
0.000	69.450	0.030000
4.000	68.850	0.030000
6.000	68.450	0.030000
8.000	68.450	0.030000
10.000	69.350	0.030000
11.000	69.850	0.030000
16.000	70.750	0.030000
40.000	71.750	0.030000
66.000	72.150	0.030000

Name: 13P1000X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	71.950	0.110000
-45.000	69.950	0.110000
-19.000	71.450	0.080000
-15.000	70.450	0.080000
-9.000	69.350	0.080000
-7.000	69.450	0.080000
-3.000	69.650	0.045000
-2.000	70.750	0.045000
0.000	71.250	0.040000
25.000	71.350	0.030000
50.000	72.250	0.030000

Name: 13P1200X Group: 13P

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-31.000	75.250	0.110000
-18.000	74.750	0.040000
-14.000	73.350	0.040000
-11.000	71.950	0.040000
-8.000	71.850	0.040000
-5.000	73.250	0.040000
0.000	74.750	0.030000

Name: 13P1300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-4.000	77.150	0.040000
0.000	76.450	0.040000
4.000	75.550	0.040000
8.000	72.450	0.040000
13.000	75.250	0.040000
18.000	77.050	0.040000
33.000	77.550	0.030000
54.000	79.250	0.030000

Name: 13P1400X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	78.450	0.080000
-18.000	76.350	0.040000
-14.000	74.450	0.035000
-12.000	74.150	0.035000
-10.000	74.550	0.035000
-7.000	75.650	0.035000
0.000	78.150	0.030000

Name: 13P1600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	80.910	0.030000
-45.000	80.550	0.030000
-20.000	78.950	0.040000
-16.000	77.300	0.040000
-13.000	75.280	0.040000
-9.000	75.280	0.040000
-5.000	77.900	0.030000
0.000	79.350	0.030000
25.000	80.050	0.030000
50.000	80.350	0.030000

Name: 13P1700X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	80.850	0.035000
-16.600	77.740	0.035000
-13.500	75.780	0.040000
-11.600	75.770	0.040000
-9.600	75.770	0.040000
-5.000	78.620	0.035000
0.000	80.350	0.030000
25.000	80.850	0.030000
50.000	80.950	0.030000

Name: 13P1815DSX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	78.000	0.050000
3.900	77.000	0.050000
14.600	77.000	0.050000
16.000	78.000	0.050000
17.300	79.000	0.050000
18.600	80.000	0.050000
21.600	81.000	0.050000

Name: 13P1815USX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	79.000	0.050000
3.200	78.000	0.050000
15.000	78.000	0.050000
16.700	79.000	0.050000
18.300	80.000	0.050000
21.600	81.000	0.050000

Name: 13P2020X Group: 13P
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	89.790	0.030000
4.950	89.730	0.030000
9.900	89.760	0.030000
14.840	89.630	0.030000
19.790	89.690	0.030000
24.740	89.590	0.030000
29.690	89.630	0.030000
34.630	89.570	0.030000
39.580	89.590	0.030000
44.530	89.610	0.030000
49.480	89.530	0.030000
54.420	89.600	0.030000
59.370	89.550	0.030000
64.320	89.610	0.030000
69.270	89.520	0.030000
74.210	89.570	0.030000
79.160	89.560	0.030000
84.110	89.570	0.030000
89.060	89.550	0.030000
94.000	89.530	0.030000
98.950	89.580	0.030000
103.880	89.530	0.030000
108.800	89.590	0.030000
113.720	89.470	0.030000
118.650	89.440	0.030000
123.570	89.560	0.030000
128.500	89.430	0.030000
133.420	89.400	0.030000
138.350	89.360	0.030000
143.270	89.320	0.030000
148.200	89.500	0.030000
153.120	89.380	0.030000
158.050	89.410	0.030000
162.970	89.440	0.030000
167.900	89.430	0.030000
172.820	89.450	0.030000
177.750	89.430	0.030000
182.670	89.380	0.030000
187.600	89.450	0.030000
192.520	89.410	0.030000
197.440	89.400	0.030000
202.370	89.390	0.030000
207.290	89.390	0.030000

212.220	89.400	0.030000
217.160	89.380	0.030000
222.100	89.370	0.030000
227.040	89.410	0.030000
231.980	89.410	0.030000
236.920	89.420	0.030000
241.860	89.410	0.030000
246.800	89.440	0.030000
251.740	89.450	0.030000
256.680	89.440	0.030000
261.620	89.400	0.030000
266.560	89.420	0.030000
271.500	89.480	0.030000
276.440	89.600	0.030000
281.380	89.590	0.030000
286.320	89.570	0.030000
291.260	89.650	0.030000
296.190	89.640	0.030000
301.130	89.650	0.030000
306.070	89.650	0.030000
311.010	89.510	0.030000
315.950	89.370	0.030000
320.860	89.260	0.030000
325.770	89.300	0.030000
330.680	89.350	0.030000
335.590	89.360	0.030000
340.500	89.380	0.030000
345.410	89.390	0.030000
350.320	89.360	0.030000
355.230	89.280	0.030000
360.130	89.420	0.030000
365.040	89.520	0.030000
369.950	89.750	0.030000
374.860	90.080	0.030000

Name: 13P2100X Group: 13P
Encroachment: No

Added
points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.680	0.013000
4.890	88.680	0.013000
9.790	88.600	0.013000
14.680	88.560	0.013000
19.570	88.570	0.013000
24.460	88.590	0.013000
29.360	88.560	0.013000
34.250	88.590	0.013000
39.140	88.620	0.013000
44.040	88.660	0.013000
48.930	88.600	0.013000
53.820	88.580	0.013000
58.710	88.590	0.013000
63.610	88.500	0.013000
68.500	88.450	0.013000
73.390	88.490	0.013000
78.290	88.520	0.013000
83.180	88.480	0.013000
88.070	88.470	0.013000
92.960	88.520	0.013000
97.860	88.510	0.013000
102.750	88.520	0.013000
107.640	88.610	0.013000
112.540	88.600	0.013000
117.430	88.600	0.013000
122.320	88.610	0.013000
127.220	88.650	0.013000
132.110	88.650	0.013000

Name: 13P2200X Group: 13P
Encroachment: No

Revision
Updated xsec points from LiDar

Station(ft)	Elevation(ft)	Manning's N
0.000	88.390	0.060000
4.960	88.220	0.060000
9.930	88.210	0.060000

14.890	88.090	0.060000
19.860	88.100	0.060000
24.820	88.070	0.060000
29.790	88.020	0.060000
34.750	87.930	0.060000
39.720	87.710	0.080000
44.680	87.400	0.080000
49.650	87.470	0.080000
54.610	87.770	0.080000
59.580	88.250	0.035000
64.540	88.520	0.030000
69.510	88.710	0.030000
74.470	88.760	0.030000
79.440	88.850	0.030000
84.400	88.910	0.030000

Name: 13P2300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-10.000	91.050	0.040000
0.000	87.950	0.040000
1.000	87.520	0.040000
2.000	84.550	0.035000
15.000	79.950	0.035000
29.000	82.250	0.035000
30.000	87.310	0.035000
31.000	86.250	0.040000
46.000	89.050	0.040000
71.000	90.150	0.040000

Name: 13P2500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	87.250	0.030000
2.000	87.670	0.013000
3.000	83.850	0.013000
14.000	81.950	0.035000
25.000	83.950	0.035000
26.000	86.950	0.013000
29.000	87.450	0.013000
55.000	90.550	0.030000

Name: 13Q-W081 Group: 13Q
Encroachment: No

ANCHOR RD POND CONROL STRUCTURE RISER

Station(ft)	Elevation(ft)	Manning's N
0.000	87.680	0.013000
0.000	87.080	0.013000
1.330	87.080	0.013000
1.330	86.480	0.013000
1.830	86.480	0.013000
1.830	87.080	0.013000
3.167	87.080	0.013000
3.167	87.680	0.013000

Name: 13Q-W083 Group: 13Q
Encroachment: No

updated xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.370	0.030000
4.290	87.600	0.030000
8.580	87.350	0.030000
12.860	87.190	0.050000
17.150	87.170	0.050000
21.800	87.080	0.050000
26.450	87.000	0.050000

31.090	87.240	0.050000
35.740	87.360	0.050000
39.120	87.410	0.050000
42.500	87.350	0.050000
45.880	87.350	0.050000
50.300	87.210	0.050000
54.710	87.040	0.050000
59.120	86.920	0.050000
63.540	86.900	0.050000
67.950	86.930	0.050000
72.360	87.270	0.050000
76.780	87.240	0.050000
81.190	87.100	0.050000
85.950	87.100	0.050000
90.710	87.000	0.050000
95.460	86.950	0.050000
100.220	87.020	0.050000
104.980	87.000	0.050000
109.730	86.870	0.050000
114.490	86.760	0.050000
119.250	86.920	0.050000
124.000	87.110	0.050000
128.760	87.050	0.050000
133.550	86.800	0.050000
138.340	86.780	0.050000
143.120	86.480	0.050000
147.910	86.530	0.050000
152.700	86.500	0.050000
157.480	86.880	0.050000
162.270	86.940	0.050000
166.690	86.890	0.050000
171.110	86.680	0.050000
175.530	86.730	0.050000
179.550	86.980	0.050000
183.570	87.090	0.050000
187.580	87.280	0.030000
191.600	87.620	0.030000

Name: 13Q0500X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.650	0.030000
2.000	88.650	0.030000
5.000	86.850	0.030000
7.000	84.050	0.030000
9.000	83.350	0.030000
12.000	84.150	0.030000
15.000	87.750	0.030000
18.000	89.150	0.030000

Name: 13Q0830X Group: 13Q
Encroachment: No

Added
Points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.300	0.030000
4.910	88.360	0.030000
9.830	88.570	0.030000
14.740	88.540	0.030000
19.650	88.370	0.030000
24.570	88.530	0.030000
29.480	88.590	0.030000
34.400	88.490	0.030000
38.670	88.320	0.030000
42.940	88.010	0.030000
47.210	87.720	0.030000
51.480	87.570	0.030000
55.750	87.760	0.030000
60.170	87.970	0.030000
64.600	88.190	0.030000
69.030	88.380	0.030000
73.460	88.440	0.030000
77.890	88.470	0.030000
82.310	88.540	0.030000
86.740	88.330	0.030000
91.170	88.280	0.030000

Name: 13Q0896X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.610	0.013000
0.000	84.440	0.013000
4.000	84.440	0.013000
4.000	83.360	0.013000
12.000	83.360	0.013000
12.000	84.440	0.013000
16.000	84.440	0.013000
16.000	85.610	0.013000

Name: 13Q1300X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	89.150	0.030000
2.000	88.250	0.030000
4.000	86.750	0.045000
6.000	86.750	0.023000
7.000	86.950	0.023000
11.000	89.050	0.023000
16.000	90.150	0.023000
17.000	90.380	0.030000

Name: 13Q1400X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	91.250	0.040000
-16.000	90.250	0.040000
-12.000	88.150	0.040000
-10.000	87.750	0.023000
-8.000	88.250	0.023000
-5.000	89.950	0.023000
0.000	91.350	0.030000

Name: 13Q2291X Group: 13Q
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	83.150	0.013000
0.000	82.450	0.013000
1.700	82.450	0.013000
1.700	81.250	0.013000
2.300	81.250	0.013000
2.300	82.450	0.013000
4.000	82.450	0.013000
4.000	83.150	0.013000

Name: RA_ALTON Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	19.650	0.035000
0.000	19.580	0.035000
40.000	19.590	0.035000

Name: RA_MOSS Group: 13A

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	36.870	0.035000
-50.000	36.610	0.035000
0.000	36.510	0.035000
50.000	36.670	0.035000
100.000	37.050	0.035000

Name: RA_MURPH Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	44.080	0.035000
-50.000	43.810	0.035000
0.000	43.510	0.035000
50.000	43.670	0.035000
100.000	44.110	0.035000

Name: RC_ALTON Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-105.000	20.010	0.050000
-50.000	19.250	0.050000
0.000	19.750	0.050000
50.000	19.650	0.050000
100.000	19.650	0.050000

Name: RC_HAYES Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-116.000	34.950	0.050000
-100.000	34.150	0.050000
-50.000	33.950	0.050000
0.000	34.150	0.050000
50.000	34.550	0.050000
100.000	35.050	0.050000

Name: RC_JEEP Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-350.000	16.290	0.050000
-100.000	14.350	0.050000
-50.000	14.750	0.050000
0.000	14.750	0.050000
50.000	15.350	0.050000
100.000	17.850	0.050000

Name: RC_SHORE Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.230	0.035000
-50.000	29.850	0.035000
0.000	29.850	0.035000
50.000	30.050	0.050000
100.000	30.850	0.050000

Name: RD_FLAMI Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	41.750	0.035000
-50.000	41.440	0.035000
0.000	41.180	0.035000
50.000	41.180	0.035000
100.000	41.430	0.035000

Name: RD_MOSS Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	38.400	0.035000
0.000	38.350	0.035000
50.000	38.450	0.035000

Name: RF_MURPH Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.650	0.035000
-50.000	51.490	0.035000
0.000	51.080	0.035000
50.000	50.890	0.035000
100.000	50.580	0.035000

Name: RF_SEVEN Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	47.900	0.050000
-50.000	47.750	0.050000
0.000	49.030	0.050000
50.000	49.360	0.050000
100.000	49.540	0.050000

Name: RI_CR434 Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
3700.000	65.530	0.035000
4300.000	64.330	0.035000
4400.000	64.130	0.035000
4500.000	64.420	0.035000
4600.000	65.880	0.035000
4710.000	67.610	0.035000
4810.000	69.010	0.035000

Name: RI_WILDM Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	61.300	0.035000
-50.000	61.330	0.035000
0.000	61.260	0.035000
50.000	61.360	0.035000
100.000	61.600	0.035000

Name: RJ_GRANT Group: 13J

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	63.550	0.035000
-50.000	62.430	0.035000
0.000	61.970	0.035000
25.000	61.970	0.035000

Name: RJ_MARVI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	74.310	0.035000
0.000	74.690	0.035000
50.000	75.170	0.035000
100.000	75.780	0.035000

Name: RJ_OLEAN Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-90.000	78.290	0.050000
-50.000	77.170	0.050000
0.000	76.650	0.050000
50.000	76.550	0.050000
100.000	76.650	0.050000
110.000	76.950	0.050000
250.000	77.650	0.050000

Name: RJ_OVERS Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	76.450	0.050000
-50.000	76.350	0.050000
0.000	76.340	0.050000
50.000	76.250	0.050000
100.000	76.150	0.050000

Name: RJ_TULLI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	77.550	0.050000
-50.000	77.650	0.050000
0.000	77.950	0.050000
50.000	78.050	0.050000
100.000	77.950	0.050000
150.000	78.950	0.050000

Name: RJ_WILDM Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	78.290	0.050000
-50.000	78.210	0.050000
0.000	78.330	0.050000
50.000	78.490	0.050000
100.000	78.730	0.050000
210.000	78.950	0.050000

Name: RK_SEMIN Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	60.840	0.035000
-50.000	60.770	0.035000
0.000	60.800	0.035000
50.000	60.790	0.035000
100.000	60.670	0.035000

Name: RL_NTRIP Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.900	0.030000
4.370	56.810	0.030000
8.740	56.780	0.030000
13.100	56.740	0.030000
17.470	56.710	0.030000
21.840	56.670	0.030000
26.210	56.570	0.030000
31.180	56.390	0.030000
36.160	56.270	0.030000
41.130	56.160	0.030000
46.110	56.110	0.030000
51.080	55.920	0.030000
56.060	55.910	0.030000
61.030	55.860	0.030000
66.010	55.700	0.030000
70.980	55.710	0.030000
75.960	55.630	0.030000
80.940	55.550	0.030000
85.910	55.450	0.030000
90.890	55.430	0.030000
95.860	55.310	0.030000
100.840	55.200	0.030000
105.810	55.250	0.030000
110.790	55.110	0.030000
115.760	55.030	0.030000
120.740	55.070	0.030000
125.710	54.940	0.030000
130.620	54.900	0.030000
135.520	54.840	0.030000
140.420	54.860	0.030000
145.320	54.730	0.030000
150.230	54.770	0.030000
155.130	54.680	0.030000
160.030	54.600	0.030000
164.930	54.610	0.030000
169.830	54.620	0.030000
174.740	54.630	0.030000
179.640	54.610	0.030000
184.540	54.560	0.030000
189.440	54.580	0.030000
194.350	54.680	0.030000
199.250	54.650	0.030000
204.150	54.620	0.030000
209.050	54.700	0.030000
213.950	54.810	0.030000
218.860	54.840	0.030000
223.760	54.830	0.030000
228.660	54.800	0.030000
233.560	54.900	0.030000
238.470	55.010	0.030000
243.320	55.200	0.030000
248.180	55.250	0.030000
253.040	55.240	0.030000
257.900	55.200	0.030000
262.760	55.230	0.030000
267.620	55.380	0.030000
272.480	55.700	0.030000
277.340	55.900	0.030000
282.200	55.840	0.030000
287.060	55.550	0.030000
291.920	55.420	0.030000
296.780	55.500	0.030000
301.640	55.530	0.030000
306.500	55.480	0.030000

311.360	55.450	0.030000
316.220	55.490	0.030000
321.080	55.700	0.030000
325.940	55.810	0.030000
330.800	55.880	0.030000
335.660	55.900	0.030000
340.520	55.940	0.030000
345.370	56.080	0.030000
350.230	56.120	0.030000
355.090	56.090	0.030000
359.950	56.110	0.030000

Name: RL_OXFOR Group: 13L
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	73.900	0.030000
4.820	73.890	0.030000
9.650	73.890	0.030000
14.470	73.880	0.030000
19.300	73.840	0.030000
24.120	73.860	0.030000
28.950	73.810	0.030000
33.770	73.680	0.030000
38.600	73.300	0.030000
43.420	73.210	0.030000
48.250	73.740	0.030000
53.070	74.070	0.030000
57.900	74.160	0.030000
62.720	74.090	0.030000
67.540	74.080	0.030000
72.370	74.200	0.030000
77.190	74.140	0.030000
82.020	74.150	0.030000
86.840	74.210	0.030000
91.670	74.360	0.030000

Name: RP_MORSE Group: 13P
Encroachment: No

revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	90.000	0.030000
4.960	90.000	0.030000
9.930	90.000	0.030000
14.890	90.000	0.030000
19.850	90.000	0.030000
24.810	90.000	0.030000
29.780	90.000	0.030000
34.740	89.960	0.030000
39.700	89.800	0.030000
44.670	89.620	0.030000
49.630	89.570	0.030000
54.590	89.670	0.030000
59.550	89.830	0.030000
64.520	89.950	0.030000
69.480	90.000	0.030000
74.440	90.000	0.030000
79.410	90.000	0.030000
84.370	90.000	0.030000
89.330	90.000	0.030000
94.300	90.000	0.030000
99.260	89.950	0.030000
104.220	89.750	0.030000
109.180	89.550	0.030000
114.150	89.550	0.030000
119.110	89.580	0.030000
124.070	89.610	0.030000
129.040	89.650	0.030000
134.000	89.760	0.030000
138.960	89.930	0.030000
143.920	90.000	0.030000
148.890	90.000	0.030000
153.850	90.000	0.030000
158.810	90.000	0.030000
163.780	90.000	0.030000
168.740	90.000	0.030000
173.700	90.000	0.030000

178.660	90.000	0.030000
183.630	90.000	0.030000
188.590	90.000	0.030000

Name: RP_NTRIP Group: 13P
Encroachment: No

Revision
Updated xsec points to better match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	60.300	0.030000
4.340	60.240	0.030000
8.680	60.230	0.030000
13.030	60.190	0.030000
17.370	60.150	0.030000
21.710	60.170	0.030000
26.050	60.240	0.030000
30.390	60.270	0.030000

Name: RP_SOUTH Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	79.500	0.035000
-50.000	79.470	0.035000
0.000	79.280	0.035000
50.000	79.390	0.035000
100.000	79.400	0.035000

Name: RQ_OAK Group: 13Q
Encroachment: No

Revised xsec. Extended length

Station(ft)	Elevation(ft)	Manning's N
0.000	89.100	0.030000
4.920	89.090	0.030000
9.840	89.130	0.030000
14.770	89.110	0.030000
19.690	89.130	0.030000
24.610	89.130	0.030000
29.530	89.100	0.030000
34.460	89.000	0.030000
39.380	88.960	0.030000
44.300	88.960	0.030000
49.220	88.980	0.030000
54.150	89.020	0.030000
59.070	89.060	0.030000
63.990	89.140	0.030000
68.910	89.110	0.030000

Name: RQ_PINE Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.760	0.030000
4.740	88.750	0.030000
9.490	88.770	0.030000
14.230	88.790	0.030000
18.980	88.800	0.030000
23.720	88.790	0.030000
28.470	88.760	0.030000
33.210	88.770	0.030000
37.950	88.700	0.030000
42.700	88.690	0.030000
47.440	88.590	0.030000
52.190	88.570	0.030000
56.930	88.510	0.030000
61.670	88.510	0.030000
66.420	88.540	0.030000
71.160	88.670	0.030000
75.910	88.770	0.030000

80.650	88.840	0.030000
85.400	88.910	0.030000

==== Operating Tables ====

Name: 13L-PS10 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
53.450	4.00
53.950	4.90
58.950	4.90

Name: 13P-PS18 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
79.350	1.12
83.950	1.97
86.450	3.92
88.950	3.92

Name: 13P-PS27 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
81.950	8.55
83.450	9.54
84.950	10.52
88.950	10.52

Name: 13P-PS28 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
82.450	9.21
83.450	10.52
88.950	10.52

==== Pipes ====

Name: 13A0700C From Node: 13A0800N Length(ft): 116.20
Group: 13A To Node: 13A0600N Count: 1
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.50
Exit Loss Coef: 0.18
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

	UPSTREAM	DOWNSTREAM
Geometry:	Rectangular	Rectangular
Span(in):	132.00	132.00
Rise(in):	120.00	120.00
Invert(ft):	3.190	2.820
Manning's N:	0.028000	0.028000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.960	0.960

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
-----------------------------------------------------------------------------------------------
         Name: 13A0701C            From Node: 13A0800N          Length(ft): 114.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 132.00         132.00                       Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                           Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.880                            Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 6.000          6.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A0702C            From Node: 13A0800N          Length(ft): 112.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 132.00         132.00                       Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                           Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.920                            Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A0720S            From Node: 13A0725N          Length(ft): 312.00
        Group: 13A                   To Node: 13A0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 13.880         9.250                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A1200C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                            Exit Loss Coef: 0.00
   Invert(ft): 9.790          9.980                            Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13A1201C           From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                  To Node: 13A1100N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 9.650          9.840                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13A1202C           From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                  To Node: 13A1100N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 10.040         9.790                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13A1500C           From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                  To Node: 13A1400N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 12.730         13.290                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          0.670                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13A1501C_1         From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                  To Node: 13A1400N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
```

```
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A1501C_2          From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3100C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                          Exit Loss Coef: 0.00
   Invert(ft): 29.420         29.390                         Bend Loss Coef: 0.00
  Manning's N: 0.031000       0.031000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3101C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                          Exit Loss Coef: 0.00
   Invert(ft): 29.410         29.370                         Bend Loss Coef: 0.00
  Manning's N: 0.029000       0.029000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers
```

```
-----------------------------------------------------------------------------------------------
         Name: 13A3102C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                          Exit Loss Coef: 0.00
   Invert(ft): 29.390         29.350                         Bend Loss Coef: 0.00
  Manning's N: 0.032000       0.032000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.500          4.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3310C            From Node: 13A3320P          Length(ft): 50.00
        Group: 13A                   To Node: 13A3300N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 36.450         36.330                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13A3500C_1          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                          Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3500C_2          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                          Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3501C            From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                          Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.290                         Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          2.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3800C_1          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3800C_2          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3800C_3          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
```

```
   Invert(ft): 37.510         37.500                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3905C            From Node: 13A3910P          Length(ft): 25.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.070         35.730                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.500                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3915C            From Node: 13A3920P          Length(ft): 80.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 15.00          15.00                       Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                           Exit Loss Coef: 0.00
   Invert(ft): 40.450         40.260                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3925S            From Node: 13A3930N          Length(ft): 130.00
        Group: 13A                   To Node: 13A3920P               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.160         36.900                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
```

```
         Name: 13A3935S            From Node: 13A3940N          Length(ft): 385.00
        Group: 13A                   To Node: 13A3930N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.200         38.740                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3945S            From Node: 13A3950N          Length(ft): 204.00
        Group: 13A                   To Node: 13A3940N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.440         39.240                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3951S            From Node: 13A3952P          Length(ft): 642.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 44.260         41.690                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3975S            From Node: 13A3980N          Length(ft): 208.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.690         39.590                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3985S            From Node: 13A3990P          Length(ft): 120.00
        Group: 13A                   To Node: 13A3980N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 41.590         41.450                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A4110C            From Node: 13A4120P          Length(ft): 40.00
        Group: 13A                   To Node: 13A4000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.010         38.810                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13B0300C            From Node: 13B0400N          Length(ft): 127.00
        Group: 13B                   To Node: 13B0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 68.00          68.00                      Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                          Exit Loss Coef: 0.00
   Invert(ft): 10.660         10.830                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
         Name: 13C0650C            From Node: 12-01-02          Length(ft): 135.00
        Group: 13C                   To Node: 13C0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 96.00          96.00                      Entrance Loss Coef: 0.20
     Rise(in): 66.00          66.00                          Exit Loss Coef: 0.00
   Invert(ft): 9.390          9.250                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13C0900C            From Node: 13C1000N          Length(ft): 72.00
        Group: 13C                   To Node: 13C0800N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 83.00          83.00                        Entrance Loss Coef: 0.20
     Rise(in): 57.00          57.00                            Exit Loss Coef: 0.00
   Invert(ft): 11.910         12.030                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13C1600C            From Node: 13C1700N          Length(ft): 28.00
        Group: 13C                   To Node: 13C1500N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 25.200         24.990                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13C2100C            From Node: 13C2200P          Length(ft): 40.00
        Group: 13C                   To Node: 13C2000N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 30.370         29.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0160C_1          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 6.00           6.00                     Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                         Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                       Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13D0160C_2          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 6.00           6.00                     Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                         Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                       Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13D0160C_3          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 6.00           6.00                     Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                         Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                       Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13D0160C_4          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 6.00           6.00                     Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                         Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                       Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
```

Circular Concrete: Groove end projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13D0160C_5          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 6.00           6.00                       Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                         Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13D0300S            From Node: 13D0310N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 32.800         31.920                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13D0320S            From Node: 13D0330N          Length(ft): 35.00
        Group: 13D                   To Node: 13D0310N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.660         32.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13D0340S            From Node: 13D0400N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0330N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.90
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.220         33.580                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
         Name: 13D0600C            From Node: 13D0700N          Length(ft): 49.00
        Group: 13D                   To Node: 13D0500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.680         33.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13F0300C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 45.210         45.380                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13F0301C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 45.290         45.300                         Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13F0415C_1          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
```

```
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 23.00          23.00                     Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                         Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_2          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 23.00          23.00                     Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                         Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_3          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 23.00          23.00                     Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                         Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_4          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 23.00          23.00                     Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                         Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges
```

```
-----------------------------------------------------------------------------------------------
         Name: 13F0425C_1          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 38.00          38.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_2          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 38.00          38.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_3          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 38.00          38.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_4          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 38.00          38.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_5          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_6          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_7          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_8          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
```

```
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0445C            From Node: 13F0450P          Length(ft): 333.00
        Group: 13F                   To Node: 13F0440P               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 42.950         42.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0900C            From Node: 13F1000P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0800N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 52.850         53.050                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          1.250                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13G0300C            From Node: 13G0400N          Length(ft): 20.00
        Group: 13G                   To Node: 13G0200N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                     Flow: Both
     Span(in): 71.00          71.00                      Entrance Loss Coef: 0.50
     Rise(in): 47.00          47.00                          Exit Loss Coef: 0.00
   Invert(ft): 43.980         44.200                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall
```

```
--------------------------------------------------------------------------------------------------
         Name: 13I0200C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 47.460         47.530                          Bend Loss Coef: 0.00
  Manning's N: 0.022000       0.032000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.500                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


--------------------------------------------------------------------------------------------------
         Name: 13I0201C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.530         48.500                          Bend Loss Coef: 0.00
  Manning's N: 0.026000       0.028000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          2.500                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


--------------------------------------------------------------------------------------------------
         Name: 13I0500C_1          From Node: FAIRY             Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


--------------------------------------------------------------------------------------------------
         Name: 13I0500C_2          From Node: FAIRY             Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

```
         Name: 13I0615C           From Node: 13I0620P          Length(ft): 197.00
        Group: 13I                  To Node: 13I0610P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.70
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 46.950         46.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

```
         Name: 13I0800C_1         From Node: 13I0900N          Length(ft): 37.00
        Group: 13I                  To Node: 13I0700N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13I0800C_2         From Node: 13I0900N          Length(ft): 37.00
        Group: 13I                  To Node: 13I0700N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13I1100C_1         From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                  To Node: 13I1000N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                         Bend Loss Coef: 0.00
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1100C_2          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                   To Node: 13I1000N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 45.00          45.00                        Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                            Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1502S            From Node: 13I1502N          Length(ft): 271.00
        Group: 13I                   To Node: 13I1500P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                            Exit Loss Coef: 1.00
   Invert(ft): 54.850         54.450                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1504S            From Node: 13I1504N          Length(ft): 169.00
        Group: 13I                   To Node: 13I1502N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                            Exit Loss Coef: 1.00
   Invert(ft): 55.350         54.850                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1506S            From Node: 13I1506N          Length(ft): 481.00
```

```
        Group: 13I                  To Node: 13I1504N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 58.750         55.850                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1507S            From Node: 13I1512N          Length(ft): 176.00
        Group: 13I                  To Node: 13I1506N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 60.050         59.250                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1508S            From Node: 13I1508N          Length(ft): 42.00
        Group: 13I                  To Node: 13I1506N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 1.00
   Invert(ft): 59.470         58.750                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1510S            From Node: 13I1510N          Length(ft): 168.00
        Group: 13I                  To Node: 13I1508N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 1.00
   Invert(ft): 59.550         59.500                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1512S            From Node: 13I1512N          Length(ft): 30.00
        Group: 13I                   To Node: 13I1510N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 61.160         60.130                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1514S            From Node: 13I1514P          Length(ft): 28.00
        Group: 13I                   To Node: 13I1512N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 61.100         61.100                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13J0200C_1          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 35.00          35.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
         Name: 13J0200C_2          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 35.00          35.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0200C_3          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch          Arch                                      Flow: Both
     Span(in): 35.00         35.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00         24.00                            Exit Loss Coef: 0.00
   Invert(ft): 57.880        57.120                           Bend Loss Coef: 0.00
  Manning's N: 0.024000      0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0340S_1          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N                  Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular      Circular                                  Flow: Both
     Span(in): 42.00         42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00         42.00                            Exit Loss Coef: 0.00
   Invert(ft): 60.470        59.440                           Bend Loss Coef: 0.00
  Manning's N: 0.024000      0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0340S_2          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N                  Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular      Circular                                  Flow: Both
     Span(in): 42.00         42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00         42.00                            Exit Loss Coef: 0.00
   Invert(ft): 60.470        59.440                           Bend Loss Coef: 0.00
  Manning's N: 0.024000      0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0360S_1          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N                  Count: 1
                                                            Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0360S_2          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0400S_1          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0400S_2          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13J0500C_1          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0500C_2          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0680S            From Node: 13J0680N          Length(ft): 62.00
        Group: 13J                   To Node: 13J0640N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 57.00          57.00                       Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                           Exit Loss Coef: 0.00
   Invert(ft): 70.080         69.650                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.500          0.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13J0700S            From Node: 13J0700N          Length(ft): 135.00
        Group: 13J                   To Node: 13J0680N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.210         70.080                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0800C_1          From Node: 13J0800N          Length(ft): 52.00
        Group: 13J                   To Node: 13J0700N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0800C_2          From Node: 13J0800N          Length(ft): 52.00
        Group: 13J                   To Node: 13J0700N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J1000C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.670         71.430                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J1001C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
```

```
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.490         71.490                         Bend Loss Coef: 0.00
  Manning's N: 0.033000       0.033000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J1200C_1          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J1200C_2          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J1500C            From Node: 13J1600N          Length(ft): 30.00
        Group: 13J                   To Node: 13J1400N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 43.00          43.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.250         70.760                         Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.890          1.890                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting
```

```
-----------------------------------------------------------------------------------------------
         Name: 13J1810C_1          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13J1810C_2          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13J2000C            From Node: 13J2100N          Length(ft): 120.00
        Group: 13J                   To Node: 13J1900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 48.00          48.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 75.720         75.700                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J2220C            From Node: 13J2220P          Length(ft): 130.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 79.120         78.560                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J2231S            From Node: 13J2231N          Length(ft): 360.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.550         70.050                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J2232S            From Node: 13J2232N          Length(ft): 169.00
        Group: 13J                   To Node: 13J2231N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.750         71.550                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0200S_1          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0200S_2          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
```

```
   Invert(ft): 54.750         53.640                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0300S            From Node: 13K0400N          Length(ft): 147.00
        Group: 13K                   To Node: 13K0250N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 55.670         54.750                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0301S            From Node: 13K0400N          Length(ft): 157.00
        Group: 13K                   To Node: 13K0250N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 55.770         54.750                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0500S            From Node: 13K0550N          Length(ft): 73.00
        Group: 13K                   To Node: 13K0400N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 56.370         55.410                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
```

```
         Name: 13K0600S            From Node: 13K0650N          Length(ft): 280.00
        Group: 13K                   To Node: 13K0550N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.730         56.400                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0700S            From Node: 13K0750N          Length(ft): 207.50
        Group: 13K                   To Node: 13K0650N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                           Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.70
     Rise(in): 37.20          37.20                          Exit Loss Coef: 1.00
   Invert(ft): 58.710         57.730                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 0° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 30° skewed headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0800S            From Node: 13K0820N          Length(ft): 170.00
        Group: 13K                   To Node: 13K0750N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 59.380         58.710                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0840S            From Node: 13K0860N          Length(ft): 128.00
        Group: 13K                   To Node: 13K0820N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 59.050         59.360                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall
```

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K1000S            From Node: 13K1100N          Length(ft): 56.00
        Group: 13K                   To Node: 13K0860N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 59.150         59.120                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K1200S            From Node: 13K1300N          Length(ft): 10.00
        Group: 13K                   To Node: 13K1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.900         58.880                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K2100C            From Node: TROUT             Length(ft): 16.00
        Group: 13K                   To Node: 13K2000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 77.460         77.460                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13K4100C_1          From Node: 13K4200P          Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K4100C_2          From Node: 13K4200P          Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K4300C            From Node: 13K4400P          Length(ft): 21.00
        Group: 13K                   To Node: 13K4200P               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.90
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.290         78.990                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting


-----------------------------------------------------------------------------------------------
         Name: 13L0010S            From Node: 13L0020N          Length(ft): 400.00
        Group: 13L                   To Node: KATHRYN                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.850         50.950                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13L0030S            From Node: 13L0040P          Length(ft): 100.00
        Group: 13L                   To Node: 13L0020N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 12.00          12.00                    Entrance Loss Coef: 0.50
     Rise(in): 12.00          12.00                        Exit Loss Coef: 0.00
   Invert(ft): 51.950         51.850                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13L0300C_1          From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                           Flow: Both
     Span(in): 72.00          72.00                    Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------------
         Name: 13L0300C_2          From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                           Flow: Both
     Span(in): 72.00          72.00                    Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------------
         Name: 13L0301C            From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                           Flow: Both
     Span(in): 72.00          72.00                    Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.380         48.930                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
```

Rectangular Box: 30° to 75° wingwall flares

```
-----------------------------------------------------------------------------------------------
         Name: 13L1203C            From Node: 13L1203N           Length(ft): 450.00
        Group: GEE                   To Node: TRIPLT-S                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 15.00          15.00                        Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                            Exit Loss Coef: 1.00
   Invert(ft): 56.900         48.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream invert assumed
MXT - revised DS invert

```
-----------------------------------------------------------------------------------------------
         Name: 13L1890C            From Node: 13L1895P           Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 52.750         52.750                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13L2100S            From Node: 13L2150N           Length(ft): 95.00
        Group: 13L                   To Node: 13L2050P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                            Exit Loss Coef: 0.00
   Invert(ft): 56.250         55.280                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13L2350S            From Node: 13L2400N           Length(ft): 300.00
        Group: 13L                   To Node: 13L2300P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                            Exit Loss Coef: 0.00
   Invert(ft): 62.950         61.750                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2600C            From Node: 13L2700N          Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                 Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.150         65.430                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2601C            From Node: 13L2700N          Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                 Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.070         65.750                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2900C_1          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                           Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2900C_2          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                            Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 48.00          48.00                     Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                         Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L3110C            From Node: 13L3140P          Length(ft): 669.00
        Group: 13L                   To Node: 13L3100N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 80.950         76.610                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          6.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13M0800S            From Node: 13M0850N          Length(ft): 38.00
        Group: 13M                   To Node: SECRET                 Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 57.00          57.00                     Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.720         49.460                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.830          1.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13M0900S            From Node: 13M0950N          Length(ft): 122.00
        Group: 13M                   To Node: 13M0850N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                         Exit Loss Coef: 0.00
   Invert(ft): 51.340         49.720                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M0960S            From Node: 13M0970N          Length(ft): 14.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.980         51.940                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1000S            From Node: 13M1100N          Length(ft): 108.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                     Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 52.480         51.040                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1300C            From Node: 13M1400N          Length(ft): 20.00
        Group: 13M                   To Node: 13M1200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                     Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 54.500         54.510                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1550S            From Node: 13M1600N          Length(ft): 110.00
        Group: 13M                   To Node: 13M1500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                     Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 55.750         55.320                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
         Name: 13M1650S            From Node: CONCORD            Length(ft): 44.00
        Group: 13M                   To Node: 13M1600N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 56.740         55.900                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13M2317S            From Node: 13M2317N           Length(ft): 480.00
        Group: 13M                   To Node: CONCORD                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 1.00
   Invert(ft): 56.730         56.190                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
No invert data available for headwall outfall (DS)
DS invert estimated from mh invert just US of outfall
City Infrastructure (Assumed NVGD 29)

```
         Name: 13M2318S            From Node: 13M2318N           Length(ft): 106.00
        Group: 13M                   To Node: 13M2317N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 57.490         55.910                          Bend Loss Coef: 0.00
  Manning's N: 0.011000       0.011000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
HDPE
City Infrastructure (Assumed NVGD 29)

```
         Name: 13M2319S            From Node: 13M2319N          Length(ft): 23.00
        Group: 13M                   To Node: 13M2318N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 58.020         57.240                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revision
GCS_1037_SD (NGVD 29)
Structure S-30 to Existing MH
DS Invert from City Infrastructure (Assumed NVGD 29)

-------------------------------------------------------------------------------------------------
         Name: 13M2320S            From Node: 13M2320N          Length(ft): 157.00
        Group: 13M                   To Node: 13M2319N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 58.170         58.020                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
 structure S-28 to S-30


-------------------------------------------------------------------------------------------------
         Name: 13M2331S            From Node: 13M2331N          Length(ft): 15.00
        Group: 13M                   To Node: 13M2333N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 66.700         65.910                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-38 to S-36


-------------------------------------------------------------------------------------------------
         Name: 13M2333S            From Node: 13M2333N          Length(ft): 68.00
        Group: 13M                   To Node: 13M2320N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
```

```
   Invert(ft): 62.910         62.780                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-36 to S-28


-----------------------------------------------------------------------------------------------
         Name: 13M2334S            From Node: 13M2334N          Length(ft): 93.00
        Group: 13M                   To Node: 13M2330P               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                         Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                             Exit Loss Coef: 1.00
   Invert(ft): 59.220         60.480                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: 13M2335S            From Node: 13M2335N          Length(ft): 248.00
        Group: 13M                   To Node: 13M2334N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                         Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                             Exit Loss Coef: 0.00
   Invert(ft): 64.000         63.450                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: 13N0150S            From Node: 13N0150N          Length(ft): 341.00
        Group: 13N                   To Node: 13N0250N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 51.000         51.010                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
```

Circular Concrete: Square edge w/ headwall

Revision
D110A to D115
GCS_1048_SD (Assaumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0250S            From Node: 13N0250N          Length(ft): 261.00
        Group: 13N                   To Node: LOST                  Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 53.00          53.00                       Entrance Loss Coef: 0.50
     Rise(in): 34.00          34.00                           Exit Loss Coef: 1.00
   Invert(ft): 50.990         50.870                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-thin edge projecting

Revision
D115 to D117
GCS_1048_SD (Assaumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0350S            From Node: 13N0350N          Length(ft): 89.00
        Group: 13N                   To Node: 13N0300N                Count: 3
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.460         51.400                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
S-121 to S-120
GCS_1048_SD (Assaumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0500S            From Node: 13N0600N          Length(ft): 100.00
        Group: 13N                   To Node: 13N0400N                Count: 3
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 26.00          26.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.770         51.740                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.900          0.300                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Dimensions and length from Casselberry City Infrastructure
Inverts estimated from DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13N0800S            From Node: 13N0800P          Length(ft): 425.00
        Group: 13N                   To Node: 13N0805N                Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 8.00           8.00                      Entrance Loss Coef: 0.70
     Rise(in): 8.00           8.00                          Exit Loss Coef: 0.00
   Invert(ft): 52.260         51.630                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35A to D35
ADS pipe

-----------------------------------------------------------------------------------------------
         Name: 13N0810S            From Node: 13N0810N          Length(ft): 53.00
        Group: 13N                   To Node: 13N0300N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 8.00           8.00                      Entrance Loss Coef: 0.50
     Rise(in): 8.00           8.00                          Exit Loss Coef: 0.00
   Invert(ft): 51.620         51.600                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 to D36

-----------------------------------------------------------------------------------------------
         Name: 13N0900S            From Node: 13N0900P          Length(ft): 1026.00
        Group: 13N                   To Node: 13N0800P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.70
     Rise(in): 36.00          36.00                         Exit Loss Coef: 1.00
   Invert(ft): 45.970         44.020                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
D28 to D34
GCS_1048_SD (Assaumed NAVD 88)
DS invert unknown - estimated from US manhole (D33)

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_1          From Node: 13P0400N          Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 1.000          1.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_2          From Node: 13P0400N          Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_3          From Node: 13P0400N          Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

-----------------------------------------------------------------------------------------------
         Name: 13P0700C_1          From Node: 13P0800N          Length(ft): 52.00
        Group: 13P                   To Node: 13P0500P               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 63.160         62.060                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P0700C_2          From Node: 13P0800N          Length(ft): 52.00
        Group: 13P                   To Node: 13P0500P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 63.160         62.060                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P0950S            From Node: 13P0950N          Length(ft): 190.00
        Group: 13P                   To Node: 13P0900N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.44
   Invert(ft): 67.310         66.200                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Revision
Changed to/from nodes
Adjusted length to match aerial
Ajusted DS invert to better match terrain


-----------------------------------------------------------------------------------------------
         Name: 13P1150S            From Node: 13P1200N          Length(ft): 161.00
        Group: 13P                   To Node: 13P1000N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.380         69.550                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revised
Updated length, dimensions to match Casselberry City Infrastructure


-----------------------------------------------------------------------------------------------
         Name: 13P1151S            From Node: 13P1200N          Length(ft): 161.00
        Group: 13P                   To Node: 13P1000N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
```

```
   Invert(ft): 70.930         69.550                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revised
Updated length, dimensions to match Casselberry City Infrastructure

-----------------------------------------------------------------------------------------------
         Name: 13P1500C_1          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



-----------------------------------------------------------------------------------------------
         Name: 13P1500C_2          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



-----------------------------------------------------------------------------------------------
         Name: 13P1810S            From Node: 13P1810P          Length(ft): 13.00
        Group: 13P                   To Node: 13P1811N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 77.110         77.100                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 3 to DS-3: See sheets 101, 104
```

GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
---------------------------------------------------------------------------------------------------
         Name: 13P1812S            From Node: 13P1812N          Length(ft): 247.00
        Group: 13P                   To Node: 13P1813N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.700         81.400                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 to outfall - see sheets 101 & 104 (u/s end);
Estimated d/s invert from terrian
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes

```
---------------------------------------------------------------------------------------------------
         Name: 13P1815C            From Node: 13P1815N          Length(ft): 466.00
        Group: GEE                   To Node: 13L3100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 68.00          68.00                        Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                            Exit Loss Coef: 1.00
   Invert(ft): 74.940         72.750                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

```
---------------------------------------------------------------------------------------------------
         Name: 13P1820S            From Node: 13P1820N          Length(ft): 226.00
        Group: 13P                   To Node: 13P1814N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 79.150         77.650                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
DS end confirmed from Field Recon by BRW/CLR on 12/7/15 - see field notes
changed To Node from 13P1800P
updated from Survey - Lochrane 07/09/15 - Bainbridge at Casselberry Apartments (NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13P1821S            From Node: 13P1822N          Length(ft): 300.00
        Group: 13P                   To Node: 13P1820N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 81.750         81.150                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13P1823S            From Node: 13P1824N           Length(ft): 475.00
        Group: 13P                   To Node: 13P1822N                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 82.650         81.750                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13P1890S            From Node: GRASSY             Length(ft): 310.00
        Group: 13P                   To Node: 13P1820N                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                    Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                        Exit Loss Coef: 0.00
   Invert(ft): 81.800         81.100                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
Combined mutiple pipes to node 13P1820N due to same size
City of Casselberry Infrastructure (NAVD 88)
US invert estimated from terrain
DS invert from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)
length estimated from aerials

-----------------------------------------------------------------------------------------------------
         Name: 13P2000S            From Node: 13P2010N           Length(ft): 80.00
        Group: 13P                   To Node: GRASSY                  Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 81.890         77.770                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
DM 6183 to waterbody

```
---------------------------------------------------------------------------------------------------
         Name: 13P2020S            From Node: 13P2050N          Length(ft): 60.00
        Group: 13P                   To Node: 13P2010N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 84.010         83.790                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
ditch to DM 6183

```
---------------------------------------------------------------------------------------------------
         Name: 13P2100C            From Node: 13P2200N          Length(ft): 47.00
        Group: 13P                   To Node: 13P2050N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 84.780         84.560                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Updated inverts based on survey
GCS_1046_SD (NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13P2350S            From Node: 13P2350N          Length(ft): 54.00
        Group: 13P                   To Node: 13P2400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 83.600         83.000                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
S-100 to Pond 1 : See sheets 99, 58
Estimated length from aerials

d/s invert estimated - could not find invert on plans
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
---------------------------------------------------------------------------------------------------
         Name: 13P2400C            From Node: PRAIRIE            Length(ft): 16.00
        Group: 13P                   To Node: PEARL                  Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 96.00          96.00                       Entrance Loss Coef: 0.50
     Rise(in): 96.00          96.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.890         81.440                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
---------------------------------------------------------------------------------------------------
         Name: 13P2400S            From Node: 13P2400P           Length(ft): 50.00
        Group: 13P                   To Node: 13P2410N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 82.410         82.400                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 1 to DS-1: See sheets 99, 102
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
---------------------------------------------------------------------------------------------------
         Name: 13P2420S            From Node: 13P2420N           Length(ft): 590.00
        Group: 13P                   To Node: PRAIRIE                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 1.00
   Invert(ft): 87.400         84.620                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
u/s invert from plans - see sheet 99
d/s outfall location assumed
d/s invert estimated from terrain
length estimated from aerials

```
---------------------------------------------------------------------------------------------------
         Name: 13P2610S            From Node: 13P2620N           Length(ft): 455.00
        Group: 13P                   To Node: PRAIRIE                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 82.850         81.850                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2630S            From Node: 13P2640N          Length(ft): 180.00
        Group: 13P                   To Node: 13P2620N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 83.350         82.850                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2643S            From Node: 13P2643N          Length(ft): 456.00
        Group: 13P                   To Node: 13P2640N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 84.950         83.850                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2644S            From Node: 13P2644N          Length(ft): 580.00
        Group: 13P                   To Node: 13P2643N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 87.550         85.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P2646S            From Node: 13P2646N          Length(ft): 94.00
        Group: 13P                   To Node: 13P2644N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 15.00          15.00                        Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                            Exit Loss Coef: 0.00
   Invert(ft): 88.450         88.050                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2650S            From Node: 13P2660P          Length(ft): 97.00
        Group: 13P                   To Node: 13P2640N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.350         84.150                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P31200S           From Node: 13P3120N          Length(ft): 250.00
        Group: GEE                   To Node: 13P3150N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 88.740         89.010                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3150S            From Node: 13P3150N          Length(ft): 180.00
        Group: GEE                   To Node: 13P3100P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 1.00
   Invert(ft): 89.050         88.490                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

DS inv calculated by .31% slope. Smart box carries overflow to node.

```
         Name: 13P3250S            From Node: 13P3250N          Length(ft): 193.00
        Group: GEE                   To Node: 13P3120N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 85.570         88.640                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3300S            From Node: 13P3300N          Length(ft): 214.00
        Group: GEE                   To Node: 13P3250N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 84.400         85.570                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3350S            From Node: 13P3350N          Length(ft): 249.00
        Group: GEE                   To Node: 13P3300N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 81.900         84.660                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3400S            From Node: 13P3400P          Length(ft): 140.00
        Group: GEE                   To Node: 13P3350N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 54.00          54.00                      Entrance Loss Coef: 0.70
```

```
     Rise(in): 54.00          54.00                        Exit Loss Coef: 0.00
   Invert(ft): 81.330         81.900                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3450S            From Node: 13P3450N          Length(ft): 373.00
        Group: GEE                   To Node: 13P3500N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 89.190         83.880                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3500S            From Node: 13P3500N          Length(ft): 119.00
        Group: GEE                   To Node: PRAIRIE                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 1.00
   Invert(ft): 83.260         82.390                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13Q0821S            From Node: 13Q0821N          Length(ft): 583.00
        Group: 13Q                   To Node: 13Q0822N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.410         83.390                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Structure S-122 to S-115
```

GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0822S            From Node: 13Q0822N          Length(ft): 371.00
        Group: 13Q                   To Node: GRASSY                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 83.300         83.340                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-115 to S-110
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0861S            From Node: 13Q0861N          Length(ft): 391.00
        Group: 13Q                   To Node: 13Q0865N                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 23.00          23.00                      Entrance Loss Coef: 0.50
     Rise(in): 14.00          14.00                          Exit Loss Coef: 0.00
   Invert(ft): 86.090         85.370                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0865S            From Node: 13Q0865N          Length(ft): 99.00
        Group: 13Q                   To Node: 13Q0875N                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 19.00          19.00                          Exit Loss Coef: 0.00
   Invert(ft): 85.320         85.100                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0875S            From Node: 13Q0875N          Length(ft): 380.00
        Group: 13Q                   To Node: 13Q0880N                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
```

```
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 85.100         84.350                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0880S            From Node: 13Q0880N          Length(ft): 606.00
        Group: 13Q                   To Node: 13Q0885N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.350         83.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0885S            From Node: 13Q0885N          Length(ft): 67.00
        Group: 13Q                   To Node: 13Q0890N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                            Exit Loss Coef: 0.00
   Invert(ft): 82.930         82.860                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length not correct in infrastructure - estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0890S            From Node: 13Q0890N          Length(ft): 350.00
        Group: 13Q                   To Node: 13Q0895N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 82.830         82.470                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length in infrastructrue incorrect - estimated from aerials

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0895S            From Node: 13Q0895N          Length(ft): 2.00
        Group: 13Q                   To Node: 13Q0896N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                            Exit Loss Coef: 0.00
   Invert(ft): 78.610         78.600                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
dimensions measured in field
 assumed circular geometry and 5' diameter
inverts measured from top of structure (Top estimated from terrain)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0924S            From Node: 13Q0924P          Length(ft): 298.00
        Group: 13Q                   To Node: 13Q0940P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.70
     Rise(in): 42.00          42.00                            Exit Loss Coef: 1.00
   Invert(ft): 80.000         80.100                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S- 128C to S-127A
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0940S            From Node: 13Q0940P          Length(ft): 126.00
        Group: 13Q                   To Node: 13Q0820P               Count: 2
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.70
     Rise(in): 30.00          30.00                            Exit Loss Coef: 1.00
   Invert(ft): 80.130         79.890                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-121D to S-121C
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q2290S            From Node: 13Q2290P           Length(ft): 105.00
        Group: 13Q                   To Node: 13Q2291N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.950         78.620                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

-----------------------------------------------------------------------------------------------
         Name: 13Q2292S            From Node: 13Q2292N           Length(ft): 210.00
        Group: 13Q                   To Node: 13Q2293N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 76.720         75.900                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

-----------------------------------------------------------------------------------------------
         Name: 13Q2293S            From Node: 13Q2293N           Length(ft): 439.00
        Group: 13Q                   To Node: 13Q2294N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 75.400         73.310                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)


-----------------------------------------------------------------------------------------------
         Name: 13Q2295S            From Node: 13Q2295N           Length(ft): 47.00
        Group: 13Q                   To Node: 13Q2296N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.900         73.170                           Bend Loss Coef: 0.00
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)


-------------------------------------------------------------------------------------------------
         Name: 13Q2296S            From Node: 13Q2296N           Length(ft): 35.00
        Group: 13Q                   To Node: 13Q2300P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 1.00
   Invert(ft): 72.120         73.050                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)



=================================================================================
==== Channels ===================================================================
=================================================================================

          Name: 13A0100             From Node: 13A0100N           Length(ft): 831.53
         Group: 13A                   To Node: JESUP                   Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 2.350          2.950                                  Flow: Both
 TClpInitZ(ft): 17.450         10.850                        Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0100X       13A0000X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: 13A0300             From Node: 13A0300N           Length(ft): 468.49
         Group: 13A                   To Node: 13A0100N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 5.050          2.350                                  Flow: Both
 TClpInitZ(ft): 13.950         17.450                        Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0300X       13A0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0600             From Node: 13A0600N           Length(ft): 362.70
         Group: 13A                   To Node: 13A0500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0600G            From Node: 13A0600N           Length(ft): 581.09
         Group: 13A                   To Node: 13A0500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: None
 TClpInitZ(ft): 13.950         12.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0900             From Node: 13A0900N           Length(ft): 849.63
         Group: 13A                   To Node: 13A0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 7.250          4.150                                 Flow: Both
 TClpInitZ(ft): 16.650         17.750                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0950             From Node: 13A0950N           Length(ft): 300.23
         Group: 13A                   To Node: 13A0900N                Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.050          7.250                                  Flow: Both
 TClpInitZ(ft): 16.650         16.650                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1000             From Node: 13A1000N          Length(ft): 286.49
         Group: 13A                   To Node: 13A0950N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.850          8.050                                  Flow: Both
 TClpInitZ(ft): 17.050         17.050                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1000X       13A1000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1100             From Node: 13A1100N          Length(ft): 945.28
         Group: 13A                   To Node: 13A1000N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.350         8.850                                  Flow: Both
 TClpInitZ(ft): 20.250         17.050                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1100X       13A1000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1400             From Node: 13A1400N          Length(ft): 935.83
         Group: 13A                   To Node: 13A1300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 11.950         11.150                                 Flow: Both
 TClpInitZ(ft): 25.250         20.750                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1400X       13A1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1700             From Node: 13A1700N          Length(ft): 725.51
         Group: 13A                   To Node: 13A1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 15.150         12.550                                 Flow: Both
 TClpInitZ(ft): 28.750         26.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1700X       13A1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1800             From Node: 13A1800N          Length(ft): 804.08
         Group: 13A                   To Node: 13A1700N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 14.650         15.150                                 Flow: Both
 TClpInitZ(ft): 28.050         28.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1800X       13A1700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1900             From Node: 13A1900N          Length(ft): 606.48
         Group: 13A                   To Node: 13A1800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 17.850         14.650                                 Flow: Both
 TClpInitZ(ft): 26.950         28.050                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1900X       13A1800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2200             From Node: 13A2200N          Length(ft): 526.47
         Group: 13A                   To Node: 13A2100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
```

```
    Invert(ft): 19.150         18.750                                  Flow: Both
 TClpInitZ(ft): 29.450         27.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2200G            From Node: 13A2200N           Length(ft): 554.17
         Group: 13A                   To Node: 13A2100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                                  Flow: None
 TClpInitZ(ft): 29.450         27.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2300             From Node: 13A2300N           Length(ft): 713.10
         Group: 13A                   To Node: 13A2200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 21.150         19.150                                  Flow: Both
 TClpInitZ(ft): 32.750         29.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A2300X       13A2200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2400             From Node: 13A2400N           Length(ft): 641.78
         Group: 13A                   To Node: 13A2350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.350         21.150                                  Flow: Both
 TClpInitZ(ft): 32.950         32.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A2400X       13A2300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2750             From Node: 13A2750N          Length(ft): 904.10
         Group: 13A                   To Node: 13A2600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 25.150         22.650                               Flow: Both
 TClpInitZ(ft): 30.350         32.790                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2700X       13A2600X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2800             From Node: 13A2800N          Length(ft): 689.46
         Group: 13A                   To Node: 13A2750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 28.450         25.150                               Flow: Both
 TClpInitZ(ft): 35.250         33.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2800X       13A2750X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2900             From Node: 13A2900N          Length(ft): 1060.76
         Group: 13A                   To Node: 13A2800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 31.750         28.450                               Flow: Both
 TClpInitZ(ft): 36.950         35.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2900X       13A2800X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A3000             From Node: 13A3000N          Length(ft): 644.30
         Group: 13A                   To Node: 13A2900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 31.950         31.750                               Flow: Both
 TClpInitZ(ft): 37.350         36.950                       Contraction Coef: 0.100
```

```
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 1.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A3000X       13A2900X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3300             From Node: 13A3300N          Length(ft): 311.71
         Group: 13A                   To Node: 13A3200N               Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 31.750         32.450                              Flow: Both
 TClpInitZ(ft): 39.950         40.010                  Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A3300X       13A3200X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3400             From Node: 13A3400N          Length(ft): 538.68
         Group: 13A                   To Node: 13A3300N               Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 33.250         31.750                              Flow: Both
 TClpInitZ(ft): 41.750         39.950                  Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A3400X       13A3300X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3700             From Node: 13A3700N          Length(ft): 707.33
         Group: 13A                   To Node: 13A3600N               Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 34.750         32.750                              Flow: Both
 TClpInitZ(ft): 43.930         51.650                  Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A3700X       13A3600X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------
          Name: 13A4000             From Node: 13A4000N          Length(ft): 431.50
         Group: 13A                   To Node: 13A3900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 36.950         36.550                              Flow: Both
 TClpInitZ(ft): 39.850         39.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4000X       13A3900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4100             From Node: 13A4100N          Length(ft): 322.77
         Group: 13A                   To Node: 13A4000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 37.450         36.950                              Flow: Both
 TClpInitZ(ft): 43.750         39.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.770
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4100X       13A4000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4200             From Node: 13A4200N          Length(ft): 431.82
         Group: 13A                   To Node: 13A4100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 38.250         37.450                              Flow: Both
 TClpInitZ(ft): 44.350         43.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4200X       13A4100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4300             From Node: 13A4300N          Length(ft): 448.11
         Group: 13A                   To Node: 13A4200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 39.050         38.250                              Flow: Both
 TClpInitZ(ft): 48.950         44.350                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A4300X       13A4200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4400             From Node: 13A4400N           Length(ft): 532.84
         Group: 13A                   To Node: 13A4300N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 40.250         39.050                                Flow: Both
 TClpInitZ(ft): 47.050         48.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4400X       13A4300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4700             From Node: 13A4700N           Length(ft): 466.19
         Group: 13A                   To Node: 13A4600N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 40.850         39.850                                Flow: Both
 TClpInitZ(ft): 45.450         45.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4600X       13A4600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4800             From Node: 13A4800N           Length(ft): 204.85
         Group: 13A                   To Node: 13A4700N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 41.850         40.850                                Flow: Both
 TClpInitZ(ft): 48.060         47.850                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4800X       13A4700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

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-----------------------------------------------------------------------------------------------------
          Name: 13A5050             From Node: 13A5050N           Length(ft): 269.83
         Group: 13A                   To Node: 13A5000N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 42.650         42.350                                Flow: Both
 TClpInitZ(ft): 48.150         48.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5000X       13A5000X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A5100             From Node: 13A5100N           Length(ft): 372.55
         Group: 13A                   To Node: 13A5050N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 42.850         42.650                                Flow: Both
 TClpInitZ(ft): 51.150         51.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5100X       13A5100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A5200             From Node: 13A5200N           Length(ft): 553.84
         Group: 13A                   To Node: 13A5100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 42.950         42.850                                Flow: Both
 TClpInitZ(ft): 52.250         51.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.670
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5200X       13A5100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A5300             From Node: 13A5300N           Length(ft): 240.80
         Group: 13A                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.350         42.950                                Flow: Both
 TClpInitZ(ft): 53.650         52.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5300X       13A5200X                      Outlet Ctrl Spec: Use dc or tw
```

```
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5400             From Node: 13A5400N          Length(ft): 530.56
         Group: 13A                   To Node: 13A5300N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.850         43.350                                Flow: Both
 TClpInitZ(ft): 56.450         53.650                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A5400X       13A5300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5500             From Node: 13A5500N          Length(ft): 292.75
         Group: 13A                   To Node: 13A5400N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 44.750         43.850                                Flow: Both
 TClpInitZ(ft): 56.050         56.450                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A5500X       13A5400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 51.850         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1: 13A5500X_Aux1                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5600             From Node: 13A5600N          Length(ft): 235.28
         Group: 13A                   To Node: 13A5500N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.250         44.750                                Flow: Both
 TClpInitZ(ft): 53.850         56.050                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A5600X       13A5500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          51.850                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                13A5500X_Aux1              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


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         Name: 13A6200            From Node: KATHRYN           Length(ft): 445.11
        Group: 13A                  To Node: 13A6000P               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 47.050         47.050                               Flow: Both
TClpInitZ(ft): 53.450         53.450                     Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: 13A6100X       13A6100X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: 13B0500            From Node: 13B0500N          Length(ft): 325.01
        Group: 13B                  To Node: 13B0400N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 15.450         13.350                               Flow: Both
TClpInitZ(ft): 23.050         21.650                     Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: 13B0500X       13B0400X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: 13B0600            From Node: 13B0600N          Length(ft): 524.30
        Group: 13B                  To Node: 13B0500N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 19.650         15.450                               Flow: Both
TClpInitZ(ft): 30.450         23.050                     Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: 13B0600X       13B0500X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: 13C0100            From Node: 13C0100N          Length(ft): 291.32
        Group: 13C                  To Node: 13A0950N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 7.950          7.250                                Flow: Both
TClpInitZ(ft): 15.950         15.950                     Contraction Coef: 0.100
  Manning's N:                                              Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.500
 Bot Clip(ft):                                               Exit Loss Coef: 0.500
    Main XSec: 13C0100X       13C0100X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0200             From Node: 13C0200N          Length(ft): 205.67
         Group: 13C                   To Node: 13C0100N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.950          7.950                                  Flow: Both
 TClpInitZ(ft): 16.290         16.290                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C0200X       13C0200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0300             From Node: 13C0300N          Length(ft): 389.96
         Group: 13C                   To Node: 13C0200N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.050         8.950                                  Flow: Both
 TClpInitZ(ft): 15.750         16.290                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C0300X       13C0200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0600             From Node: 13C0600N          Length(ft): 352.63
         Group: 13C                   To Node: 13C0500N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 9.250          10.450                                 Flow: Both
 TClpInitZ(ft): 15.850         15.850                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 1.000
     Main XSec: 13C0700X       13C0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0800             From Node: 13C0800N          Length(ft): 705.54
         Group: 13C                   To Node: 13C0600N               Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 13.150         9.250                                 Flow: Both
 TClpInitZ(ft): 17.550         15.850                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.450
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C0800X       13C0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1100             From Node: 13C1100N           Length(ft): 717.46
         Group: 13C                   To Node: 13C1000N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 15.150         12.850                                Flow: Both
 TClpInitZ(ft): 21.950         21.050                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 1.000
     Main XSec: 13C1100X       13C1000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1200             From Node: 13C1200N           Length(ft): 988.12
         Group: 13C                   To Node: 13C1100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 20.450         15.150                                Flow: Both
 TClpInitZ(ft): 25.950         21.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 1.000
     Main XSec: 13C1200X       13C1100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1300             From Node: 13C1300N           Length(ft): 474.47
         Group: 13C                   To Node: 13C1200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.550         20.450                                Flow: Both
 TClpInitZ(ft): 28.950         25.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                Exit Loss Coef: 0.500
     Main XSec: 13C1300X       13C1200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1350             From Node: 13C1350N           Length(ft): 563.30
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 23.950         22.550                                Flow: Both
 TClpInitZ(ft): 28.950         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.250
  Bot Clip(ft):                                                 Exit Loss Coef: 0.500
     Main XSec: 13C1400X       13C1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1400             From Node: 13C1400N           Length(ft): 479.05
         Group: 13C                   To Node: 13C1350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.450         23.950                                Flow: Both
 TClpInitZ(ft): 28.950         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13C1400X       13C1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500             From Node: 13C1500N           Length(ft): 515.37
         Group: 13C                   To Node: 13C1400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         25.450                                Flow: Both
 TClpInitZ(ft): 29.750         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13C1500X       13C1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500X            From Node: 13C1500N           Length(ft): 1400.00
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
```

```
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 30.330         25.130                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                        Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13C1800             From Node: 13C1800N          Length(ft): 451.89
         Group: 13C                   To Node: 13C1700N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 26.750         26.250                                  Flow: Both
 TClpInitZ(ft): 31.950         31.950                       Contraction Coef: 0.100
   Manning's N:                                                   Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13C1800X       13C1700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1850             From Node: 13C1850N          Length(ft): 409.65
         Group: 13C                   To Node: 13C1800N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.050         26.750                                  Flow: Both
 TClpInitZ(ft): 31.950         31.950                       Contraction Coef: 0.100
   Manning's N:                                                   Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1900             From Node: 13C1900N          Length(ft): 422.97
         Group: 13C                   To Node: 13C1850N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.450         27.050                                  Flow: Both
 TClpInitZ(ft): 31.950         31.950                       Contraction Coef: 0.100
   Manning's N:                                                   Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
```

```
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C2000             From Node: 13C2000N          Length(ft): 599.29
         Group: 13C                   To Node: 13C1900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 30.650         27.450                                 Flow: Both
 TClpInitZ(ft): 34.650         34.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C2000X       13C2000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13D0150             From Node: 13D0150N          Length(ft): 479.03
         Group: 13D                   To Node: 13A2750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 27.700         25.150                                 Flow: Both
 TClpInitZ(ft): 31.750         31.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13D0100X       13D0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13D0200             From Node: 13D0200N          Length(ft): 344.56
         Group: 13D                   To Node: 13D0150N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 29.250         27.700                                 Flow: Both
 TClpInitZ(ft): 35.450         35.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13D0200X       13D0200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13D0500             From Node: 13D0500N          Length(ft): 226.42
         Group: 13D                   To Node: 13D0400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 34.650         34.150                                 Flow: Both
```

```
 TClpInitZ(ft): 42.850         39.750                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0500X       13D0400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0750             From Node: 13D0750N           Length(ft): 531.99
         Group: 13D                   To Node: 13D0700N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 37.050         35.350                                 Flow: Both
 TClpInitZ(ft): 44.650         44.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0700X       13D0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0800             From Node: 13D0800N           Length(ft): 397.55
         Group: 13D                   To Node: 13D0750N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 38.850         37.050                                 Flow: Both
 TClpInitZ(ft): 46.050         46.050                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0800X       13D0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0200             From Node: 13F0200N           Length(ft): 427.07
         Group: 13F                   To Node: 13A4400N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.300         40.250                                 Flow: Both
 TClpInitZ(ft): 50.150         49.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13F0200X       13F0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
```

```
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0750             From Node: 13F0750N           Length(ft): 314.39
         Group: 13F                   To Node: 13F0700N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 52.950         49.900                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 15.00          15.00
  RtSdSlp(h/v): 15.00          15.00


-----------------------------------------------------------------------------------------------
          Name: 13F0800             From Node: 13F0800N           Length(ft): 276.94
         Group: 13F                   To Node: 13F0750N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 53.250         52.950                                Flow: Both
 TClpInitZ(ft): 56.050         56.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13F0800X       13F0800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0100             From Node: 13G0100N           Length(ft): 454.07
         Group: 13G                   To Node: 13A5050N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.750         42.650                                Flow: Both
 TClpInitZ(ft): 49.650         49.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13G0100X       13G0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0200             From Node: 13G0200N           Length(ft): 318.27
         Group: 13G                   To Node: 13G0100N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.250         43.750                                Flow: Both
 TClpInitZ(ft): 52.050         49.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
```

```
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13G0200X       13G0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0500             From Node: 13G0500N           Length(ft): 937.30
         Group: 13G                   To Node: 13G0400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 44.350         44.340                                Flow: Both
 TClpInitZ(ft): 49.250         51.650                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13G0500X       13G0400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0600             From Node: 13G0600N           Length(ft): 1004.35
         Group: 13G                   To Node: 13G0500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.450         44.350                                Flow: Both
 TClpInitZ(ft): 52.750         49.250                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13G0600X       13G0500X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2000             From Node: 13G2000N           Length(ft): 326.25
         Group: 13G                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.950         42.950                                Flow: Both
 TClpInitZ(ft): 50.950         50.950                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13G2000X       13G2000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------
          Name: 13G2100             From Node: 13G2100N          Length(ft): 525.11
         Group: 13G                   To Node: 13G2000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.950         43.950                               Flow: Both
 TClpInitZ(ft): 53.950         50.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13G2100X       13G2000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13I0400             From Node: 13I0400N          Length(ft): 304.55
         Group: 13I                   To Node: 13I0300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 51.650         50.350                               Flow: Both
 TClpInitZ(ft): 58.670         57.930                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0400X       13I0300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13I0700             From Node: 13I0700N          Length(ft): 255.98
         Group: 13I                   To Node: FAIRY                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 54.450         53.950                               Flow: Both
 TClpInitZ(ft): 59.850         59.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0700X       13I0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13I1000             From Node: 13I1000N          Length(ft): 495.92
         Group: 13I                   To Node: 13I0900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 56.950         54.830                               Flow: Both
 TClpInitZ(ft): 62.250         59.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
```

```
     Main XSec: 13I1000X       13I0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13I1507X            From Node: 13I1512N           Length(ft): 163.00
         Group: 13I                   To Node: 13I1506N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350         64.350                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------------
          Name: 13I1510X            From Node: 13I1510N           Length(ft): 760.00
         Group: 13I                   To Node: 13I1504N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350         63.950                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------------
          Name: 13J0340X            From Node: 13J0340N           Length(ft): 92.00
         Group: 13J                   To Node: 13J0320N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.050         64.550                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 11.20          11.20
  RtSdSlp(h/v): 10.70          10.70
```

```
--------------------------------------------------------------------------------------------------
         Name: 13J0360X            From Node: 13J0360N          Length(ft): 132.00
        Group: 13J                   To Node: 13J0340N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
   Invert(ft): 66.950         65.050                                   Flow: Both
TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
  Manning's N: 0.035000       0.035000                        Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
    Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft):
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft): 12.500         0.000
 LtSdSlp(h/v): 5.26           17.00
 RtSdSlp(h/v): 5.67           6.11


--------------------------------------------------------------------------------------------------
         Name: 13J0400X            From Node: 13J0400N          Length(ft): 398.00
        Group: 13J                   To Node: 13J0360N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
   Invert(ft): 72.250         66.950                                   Flow: Both
TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
  Manning's N: 0.035000       0.035000                        Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
    Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft):
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft): 0.000          0.000
 LtSdSlp(h/v): 13.00          8.90
 RtSdSlp(h/v): 9.50           15.00


--------------------------------------------------------------------------------------------------
         Name: 13J0500X            From Node: 13J0600N          Length(ft): 1007.94
        Group: 13J                   To Node: 13J0300N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
   Invert(ft): 74.310         61.950                                   Flow: Both
TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
  Manning's N: 0.016000       0.016000                        Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
    Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft):
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft): 12.500         12.500
 LtSdSlp(h/v): 0.00           0.00
 RtSdSlp(h/v): 0.00           0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0501X            From Node: 13J0600N          Length(ft): 450.00
        Group: 13J                   To Node: FAIRY                  Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
   Invert(ft): 74.310         72.950                                   Flow: Both
TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
  Manning's N: 0.016000       0.016000                        Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
    Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0640             From Node: 13J0640N           Length(ft): 420.00
         Group: 13J                   To Node: 13J0600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 69.950         69.130                                Flow: Both
 TClpInitZ(ft): 75.650         75.080                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13J0640X       13J0600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J0800X            From Node: 13J0800N           Length(ft): 370.00
         Group: 13J                   To Node: 13J0640N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         75.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0801X            From Node: 13J0800N           Length(ft): 880.00
         Group: 13J                   To Node: FAIRY                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         69.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0900             From Node: 13J0900N           Length(ft): 311.00
```

```
        Group: 13J                  To Node: 13J0800N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.950        71.130                               Flow: Both
 TClpInitZ(ft): 76.250        75.650                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J0900X      13J0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13J1000X            From Node: 13J1000N          Length(ft): 300.00
        Group: 13J                  To Node: 13J0800N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 77.650        76.340                               Flow: Both
 TClpInitZ(ft): 98.940        98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000      0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000         0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000         0.000                         Exit Loss Coef: 0.000
     Main XSec:                                           Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                            Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 20.000       20.000
  LtSdSlp(h/v): 0.00         0.00
  RtSdSlp(h/v): 0.00         0.00


-------------------------------------------------------------------------------------------------
          Name: 13J1100             From Node: 13J1100N          Length(ft): 91.00
        Group: 13J                  To Node: 13J1000N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.950        71.490                               Flow: Both
 TClpInitZ(ft): 77.750        77.750                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1100X      13J1100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13J1400             From Node: 13J1400N          Length(ft): 336.00
        Group: 13J                  To Node: 13J1300N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.650        71.750                               Flow: Both
 TClpInitZ(ft): 78.550        77.450                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1400X      13J1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1400X            From Node: 13J1400N           Length(ft): 1300.00
         Group: 13J                   To Node: WILDMERE                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.550         67.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J1800             From Node: 13J1800N           Length(ft): 503.00
         Group: 13J                   To Node: 13J1600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 73.250         71.250                                  Flow: Both
 TClpInitZ(ft): 81.950         78.250                       Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.500
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13J1700X       13J1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1900             From Node: 13J1900N           Length(ft): 529.00
         Group: 13J                   To Node: 13J1800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 75.050         73.250                                  Flow: Both
 TClpInitZ(ft): 85.550         85.550                       Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13J1900X       13J1900X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J2200             From Node: 13J2200P           Length(ft): 262.00
         Group: 13J                   To Node: 13J2100N                Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.450         75.350                               Flow: Both
 TClpInitZ(ft): 82.350         82.350                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J2100X       13J2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13K1500              From Node: 13K1500N          Length(ft): 757.71
         Group: 13K                    To Node: 13K1300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 71.750         65.150                               Flow: Both
 TClpInitZ(ft): 76.950         69.050                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13K1600X       13K1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13K1600              From Node: 13K1600N          Length(ft): 215.39
         Group: 13K                    To Node: 13K1500N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 71.460         72.250                               Flow: Both
 TClpInitZ(ft): 76.950         76.950                     Contraction Coef: 0.500
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 1.000
     Main XSec: 13K1600X       13K1600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13K1720X             From Node: 13K1750N          Length(ft): 1450.00
         Group: 13K                    To Node: 13K0750N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 74.710         66.950                               Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 1.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00



-----------------------------------------------------------------------------------------------
          Name: 13K2000             From Node: 13K2000N          Length(ft): 406.54
         Group: 13K                   To Node: GRIFFIN                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.460         78.150                                Flow: Both
 TClpInitZ(ft): 82.650         82.650                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13K2000X       13K2000X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13L0200             From Node: 13L0200N          Length(ft): 580.00
         Group: 13L                   To Node: KATHRYN                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 47.450         47.050                                Flow: Both
 TClpInitZ(ft): 54.950         52.650                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13L0200X       13L0100X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13L0800             From Node: TRIPLT-N          Length(ft): 1042.05
         Group: 13L                   To Node: 13L0400N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 46.550         46.750                                Flow: Both
 TClpInitZ(ft): 52.750         56.250                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.200
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13L0700X       13L0400X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13L1200             From Node: TRIPLT-S          Length(ft): 50.00
         Group: 13L                   To Node: TRIPLT-M               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
```

```
    Invert(ft): 49.440         49.440                                  Flow: Both
 TClpInitZ(ft): 52.200         52.200                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L1200X       13L1200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added  - Golf Cart path seperating Middle and South Triplet Lake
 Middle and South  Triplet Lake were orginally modeled as one node
xsec points, inverts, and Top Clip Elev from LiDar
length estimated from aerials

-------------------------------------------------------------------------------------------------
          Name: 13L1400             From Node: 13L1400N           Length(ft): 530.00
         Group: 13L                   To Node: TRIPLT-S                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 48.950         47.650                                  Flow: Both
 TClpInitZ(ft): 57.820         52.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L1400X       13L1300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: 13L1700             From Node: QUEENS             Length(ft): 175.00
         Group: 13L                   To Node: 13L1600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.250         49.250                                  Flow: Both
 TClpInitZ(ft): 57.510         57.510                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L1600X       13L1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: 13L2800             From Node: 13L2800N           Length(ft): 315.97
         Group: 13L                   To Node: 13L2700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 70.550         69.050                                  Flow: Both
 TClpInitZ(ft): 79.650         75.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L2800X       13L2700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L3100             From Node: 13L3100N          Length(ft): 252.63
         Group: 13L                   To Node: 13L3000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 72.750         72.400                               Flow: Both
 TClpInitZ(ft): 81.450         81.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L3100X       13L3000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M0400             From Node: SECRET            Length(ft): 381.39
         Group: 13M                   To Node: 13M0300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 47.950         48.650                               Flow: Both
 TClpInitZ(ft): 54.750         54.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M0300X       13M0300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M1200             From Node: 13M1200N          Length(ft): 299.46
         Group: 13M                   To Node: 13M1100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 53.750         52.480                               Flow: Both
 TClpInitZ(ft): 58.150         58.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M1200X       13M1100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13M1500             From Node: 13M1500N          Length(ft): 323.64
```

```
         Group: 13M                  To Node: 13M1400N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 55.050         54.150                                Flow: Both
 TClpInitZ(ft): 61.750         59.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13M1500X       13M1400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13M2340             From Node: 13M2340P           Length(ft): 868.00
         Group: 13M                  To Node: 13M2335N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 70.550         68.800                                Flow: Both
 TClpInitZ(ft): 73.950         72.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13M2340X       13M2334X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised To Node and d/s Invert
GCS_1037_SD (NGVD 29)


-------------------------------------------------------------------------------------------------
          Name: 13N0200             From Node: LOST               Length(ft): 394.00
         Group: 13N                  To Node: TRIPLT-M               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.440         49.350                                Flow: Both
 TClpInitZ(ft): 51.820         51.820                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13N0100X       13N0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

revised xsec points to match terrain
updated u/s and d/s inverts
Updated Top Clip Elev.


-------------------------------------------------------------------------------------------------
          Name: 13N0300             From Node: 13N0300N           Length(ft): 438.61
         Group: 13N                  To Node: LOST                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.850         49.250                                Flow: Both
```

```
 TClpInitZ(ft): 55.950         55.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0300X       13N0300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13N0400             From Node: 13N0400N           Length(ft): 635.00
         Group: 13N                   To Node: 13N0350N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 51.740         49.850                                 Flow: Both
 TClpInitZ(ft): 57.050         55.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0400X       13N0400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised length based on survey
GCS_1048_SD
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13N0700             From Node: YVONNE             Length(ft): 338.64
         Group: 13N                   To Node: 13N0600N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 51.750         51.770                                 Flow: Both
 TClpInitZ(ft): 57.250         57.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0600X       13N0600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P0450C            From Node: 13P0450N           Length(ft): 605.00
         Group: 13P                   To Node: TRIPLT-M                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 53.250         50.340                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P0450X       13P0450TMX                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added
xsecs points from terrain


-----------------------------------------------------------------------------------------------
          Name: 13P0860X            From Node: 13P0900N           Length(ft): 163.00
         Group: 13P                   To Node: 13P0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 66.200         63.160                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P0860X       13P0860X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Adjusted length to match aerial
Changed geometry from trapezoidal to better match terrain
xsec points from terrain
updated u/s and d/s inverts to match pipe inverts


-----------------------------------------------------------------------------------------------
          Name: 13P1000             From Node: 13P1000N           Length(ft): 303.47
         Group: 13P                   To Node: 13P0950N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 68.700         67.310                                Flow: Both
 TClpInitZ(ft): 72.250         72.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.610
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P1000X       13P0900X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Changed To Node
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P1300             From Node: 13P1300N           Length(ft): 282.30
         Group: 13P                   To Node: 13P1200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.450         70.930                                Flow: Both
 TClpInitZ(ft): 77.550         75.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.330
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P1300X       13P1200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
```

```
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13P1400             From Node: 13P1400N          Length(ft): 192.00
         Group: 13P                   To Node: 13P1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 74.040         72.450                               Flow: Both
 TClpInitZ(ft): 78.450         77.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13P1400X       13P1300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated u/s invert to match pipe invert



-----------------------------------------------------------------------------------------------
          Name: 13P1650             From Node: 13P1650N          Length(ft): 160.07
         Group: 13P                   To Node: 13P1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.280         74.850                               Flow: Both
 TClpInitZ(ft): 80.910         80.910                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13P1600X       13P1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13P1700             From Node: 13P1700N          Length(ft): 225.92
         Group: 13P                   To Node: 13P1650N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.890         75.280                               Flow: Both
 TClpInitZ(ft): 80.950         80.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13P1700X       13P1700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13P1813C            From Node: 13P1813N          Length(ft): 150.00
         Group: 13P                   To Node: 13P1814N               Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 81.140         78.590                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N: 0.040000       0.060000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00

Added
Channel with dense grass/weeds
Estimated  inverts from terrian
Estimated length and slope from aerials
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
d/s invert updted to match pipe invert

-----------------------------------------------------------------------------------------------
          Name: 13P1815             From Node: 13P1814N           Length(ft): 291.00
         Group: 13P                   To Node: 13P1815N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 77.650         74.940                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13P1815USX     13P1815DSX                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

-----------------------------------------------------------------------------------------------
          Name: 13P2250             From Node: PEARL              Length(ft): 436.00
         Group: 13P                   To Node: 13P2200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 87.960         87.530                                Flow: Both
 TClpInitZ(ft): 88.770         88.650                      Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13P2200X       13P2200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length updated to match aerials/terrain
updated xsec points from Lidar
updated Inverts and top clip ref elevations

==========================================================================================
==== Drop Structures =====================================================================
==========================================================================================

         Name: 13A0730D            From Node: 13A0735P           Length(ft): 207.00
        Group: 13A                   To Node: 13A0725N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
```

```
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.200
   Invert(ft): 14.520         13.880                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13A0730D ***
                                                                                          TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                        Invert(ft): 18.970
              Rise(in): 60.00                  Control Elev(ft): 18.970


-----------------------------------------------------------------------------------------------
         Name: 13A2210D            From Node: 13A2220P           Length(ft): 152.00
        Group: 13A                   To Node: 13A2200N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 24.860         20.710                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13A2210D ***
                                                                                          TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis            Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 33.00                        Invert(ft): 30.330
              Rise(in): 30.48                  Control Elev(ft): 30.330

*** Weir 2 of 2 for Drop Structure 13A2210D ***
                                                                                          TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.96                        Invert(ft): 32.350
              Rise(in): 48.00                  Control Elev(ft): 32.350


-----------------------------------------------------------------------------------------------
         Name: 13A2810D            From Node: 13A2820P           Length(ft): 75.00
        Group: 13A                   To Node: 13A2800N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                                  Flow: Both
     Rise(in): 42.00          42.00                      Entrance Loss Coef: 0.200
   Invert(ft): 28.950         28.920                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 33.7° bevels
```

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

*** Weir 1 of 3 for Drop Structure 13A2810D ***

TABLE

```
Count: 1                      Bottom Clip(in): 0.000
 Type: Vertical: Mavis           Top Clip(in): 0.000
 Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 105.36                     Invert(ft): 35.380
Rise(in): 999.00                Control Elev(ft): 35.380
```

*** Weir 2 of 3 for Drop Structure 13A2810D ***

TABLE

```
Count: 1                      Bottom Clip(in): 0.000
 Type: Vertical: Mavis           Top Clip(in): 0.000
 Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 73.44                      Invert(ft): 36.380
Rise(in): 999.00                Control Elev(ft): 36.380
```

*** Weir 3 of 3 for Drop Structure 13A2810D ***

TABLE

```
Count: 1                      Bottom Clip(in): 0.000
 Type: Vertical: Mavis           Top Clip(in): 0.000
 Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 15.00                      Invert(ft): 31.380
Rise(in): 15.00                 Control Elev(ft): 31.380
```

```
         Name: 13A5310D            From Node: 13A5320P          Length(ft): 87.00
        Group: 13A                   To Node: 13A5300N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 45.070         44.890                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure 13A5310D ***

TABLE

```
Count: 1                      Bottom Clip(in): 0.000
 Type: Vertical: Mavis           Top Clip(in): 0.000
 Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 26.40                      Invert(ft): 49.020
Rise(in): 6.00                  Control Elev(ft): 49.020
```

*** Weir 2 of 2 for Drop Structure 13A5310D ***

TABLE

```
Count: 1                      Bottom Clip(in): 0.000
 Type: Horizontal                Top Clip(in): 0.000
 Flow: Both                    Weir Disc Coef: 2.800
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 37.20                      Invert(ft): 50.740
Rise(in): 24.00                 Control Elev(ft): 50.740
```

```
         Name: 13C0400D            From Node: 13C0500N          Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                  Flow: Both
```

```
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 9.620          9.350                          Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0400D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                        Invert(ft): 10.350
              Rise(in): 999.00                 Control Elev(ft): 10.350


-----------------------------------------------------------------------------------------------------
         Name: 13C0401D            From Node: 13C0500N           Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 9.270          9.110                          Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0401D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                        Invert(ft): 11.610
              Rise(in): 999.00                 Control Elev(ft): 11.610


-----------------------------------------------------------------------------------------------------
         Name: 13F0600D            From Node: 13F0700N           Length(ft): 50.00
        Group: 13F                   To Node: 13F0400P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                 Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.200
   Invert(ft): 47.770         46.970                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall



*** Weir 1 of 2 for Drop Structure 13F0600D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600
```

```
              Span(in): 24.00                      Invert(ft): 49.910
              Rise(in): 9.24                 Control Elev(ft): 49.910

*** Weir 2 of 2 for Drop Structure 13F0600D ***
                                                                                TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis          Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 24.00                      Invert(ft): 49.910
              Rise(in): 9.24                 Control Elev(ft): 49.910


-----------------------------------------------------------------------------------------------
         Name: 13F1200D           From Node: 13F1300P          Length(ft): 47.00
        Group: 13F                  To Node: 13F1000P               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                 Flow: Both
     Rise(in): 18.00          18.00                    Entrance Loss Coef: 0.200
   Invert(ft): 51.250         51.020                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13F1200D ***
                                                                                TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal               Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 36.00                      Invert(ft): 54.870
              Rise(in): 24.00                Control Elev(ft): 54.870


-----------------------------------------------------------------------------------------------
         Name: 13H0120D           From Node: 13H0150P          Length(ft): 247.00
        Group: 13H                  To Node: HODGE                  Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.200
   Invert(ft): 52.950         52.190                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


*** Weir 1 of 2 for Drop Structure 13H0120D ***
                                                                                TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis          Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Circular             Orifice Disc Coef: 0.600

              Span(in): 10.00                      Invert(ft): 53.990
              Rise(in): 10.00                Control Elev(ft): 53.990

*** Weir 2 of 2 for Drop Structure 13H0120D ***
                                                                                TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal               Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 54.00                      Invert(ft): 57.800
```

```
              Rise(in): 36.00                 Control Elev(ft): 57.800


-----------------------------------------------------------------------------------------------
         Name: 13H0320D            From Node: 13H0350P           Length(ft): 100.00
        Group: 13H                   To Node: IRENE-N                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 53.700         52.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13H0320D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 10.00                       Invert(ft): 54.520
              Rise(in): 10.00                 Control Elev(ft): 54.520

*** Weir 2 of 2 for Drop Structure 13H0320D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 57.510
              Rise(in): 36.00                 Control Elev(ft): 57.510


-----------------------------------------------------------------------------------------------
         Name: 13I0605D            From Node: 13I0610P           Length(ft): 175.00
        Group: 13I                   To Node: FAIRY                   Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.200
   Invert(ft): 52.450         51.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 4.00                        Invert(ft): 52.950
              Rise(in): 4.00                  Control Elev(ft): 52.950

*** Weir 2 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 12.00                       Invert(ft): 54.550
              Rise(in): 40.80                 Control Elev(ft): 54.550
```

```
*** Weir 3 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.600
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 58.450
              Rise(in): 37.00                  Control Elev(ft): 58.450


-----------------------------------------------------------------------------------------------
         Name: 13I1400D            From Node: 13I1500P           Length(ft): 112.00
        Group: 13I                   To Node: EVERGRN                 Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                  Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.200
   Invert(ft): 54.450         53.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 2 for Drop Structure 13I1400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 144.00                      Invert(ft): 59.980
              Rise(in): 60.00                  Control Elev(ft): 59.980

*** Weir 2 of 2 for Drop Structure 13I1400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 6.00                        Invert(ft): 57.950
              Rise(in): 6.00                   Control Elev(ft): 57.950


-----------------------------------------------------------------------------------------------
         Name: 13J2221D            From Node: 13J2221P           Length(ft): 138.00
        Group: 13J                   To Node: 13J2220P                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                  Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.200
   Invert(ft): 82.950         81.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13J2221D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 86.950
              Rise(in): 42.00                  Control Elev(ft): 86.950
```

```
-----------------------------------------------------------------------------------------------
         Name: 13J2222D            From Node: 13J2222P           Length(ft): 125.00
        Group: 13J                   To Node: 13J2221P                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                  Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.200
   Invert(ft): 83.450         82.950                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13J2222D ***
                                                                                      TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 87.950
               Rise(in): 42.00                  Control Elev(ft): 87.950


-----------------------------------------------------------------------------------------------
         Name: 13J2233D            From Node: 13J2233P           Length(ft): 9.00
        Group: 13J                   To Node: 13J2232N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                      Entrance Loss Coef: 0.200
   Invert(ft): 76.950         76.750                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13J2233D ***
                                                                                      TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 80.950
               Rise(in): 42.00                  Control Elev(ft): 80.950


-----------------------------------------------------------------------------------------------
         Name: 13K1125D            From Node: 13K1150P           Length(ft): 27.00
        Group: 13K                   To Node: 13K1100N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 14.00          14.00                      Entrance Loss Coef: 0.500
   Invert(ft): 59.150         59.200                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall
```

```
*** Weir 1 of 2 for Drop Structure 13K1125D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 28.80                       Invert(ft): 61.030
              Rise(in): 11.28                  Control Elev(ft): 61.030

*** Weir 2 of 2 for Drop Structure 13K1125D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 61.970
              Rise(in): 24.00                  Control Elev(ft): 61.970


-------------------------------------------------------------------------------------------------
         Name: 13K1800D            From Node: GRIFFIN            Length(ft): 215.00
        Group: 13K                   To Node: 13K1750N                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 72.750         71.820                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 1 for Drop Structure 13K1800D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Trapezoidal           Orifice Disc Coef: 0.600

       Bottom Width(ft): 8.70                       Invert(ft): 74.720
       Left Sd Slp(h/v): 1.78                  Control Elev(ft): 74.720
      Right Sd Slp(h/v): 1.72             Struct Opening Dim(ft): 999.00


-------------------------------------------------------------------------------------------------
         Name: 13L1800D            From Node: 13L1825N           Length(ft): 62.00
        Group: 13L                   To Node: QUEENS                  Count: 3

              UPSTREAM       DOWNSTREAM                  Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                  Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.500
   Invert(ft): 50.620         50.450                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


*** Weir 1 of 1 for Drop Structure 13L1800D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 312.00                      Invert(ft): 52.390
              Rise(in): 999.00                 Control Elev(ft): 52.390
```

```
-----------------------------------------------------------------------------------------------
         Name: 13L1890D            From Node: 13L1890P          Length(ft): 125.00
        Group: 13L                   To Node: 13L1825N               Count: 2

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.500
   Invert(ft): 50.940         50.450                       Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Assumed NGVD29 converted; D/S assumed bottom of channel; Two drop structures with same pipe dims

*** Weir 1 of 3 for Drop Structure 13L1890D ***
                                                                                    TABLE
                  Count: 2                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 49.00                       Invert(ft): 56.940
               Rise(in): 37.00                  Control Elev(ft): 56.940

*** Weir 2 of 3 for Drop Structure 13L1890D ***
                                                                                    TABLE
                  Count: 2                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 42.00                       Invert(ft): 56.440
               Rise(in): 6.00                   Control Elev(ft): 56.440

*** Weir 3 of 3 for Drop Structure 13L1890D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Circular              Orifice Disc Coef: 0.600

               Span(in): 6.00                        Invert(ft): 52.040
               Rise(in): 6.00                   Control Elev(ft): 52.540


-----------------------------------------------------------------------------------------------
         Name: 13L1900D            From Node: 13L1950P          Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P               Count: 3

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                 Flow: Both
     Rise(in): 48.00          48.00                    Entrance Loss Coef: 0.500
   Invert(ft): 52.980         52.530                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L1900D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(ft): 0.000
                   Type: Vertical: Mavis           Top Clip(ft): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13L-W190                Control Elev(ft): 54.500
             Invert(ft): 54.500            Struct Opening Dim(ft): 999.00
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13L2200D            From Node: 13L2300P           Length(ft): 146.00
        Group: 13L                   To Node: 13L2150N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                 Flow: Both
     Rise(in): 54.00          54.00                     Entrance Loss Coef: 0.500
   Invert(ft): 56.230         56.250                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 5 for Drop Structure 13L2200D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 27.60                       Invert(ft): 63.870
               Rise(in): 19.68                  Control Elev(ft): 63.870

*** Weir 2 of 5 for Drop Structure 13L2200D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 79.20                       Invert(ft): 63.840
               Rise(in): 20.04                  Control Elev(ft): 63.840

*** Weir 3 of 5 for Drop Structure 13L2200D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 43.20                       Invert(ft): 62.440
               Rise(in): 36.84                  Control Elev(ft): 62.440

*** Weir 4 of 5 for Drop Structure 13L2200D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 22.80                       Invert(ft): 63.940
               Rise(in): 18.84                  Control Elev(ft): 63.940

*** Weir 5 of 5 for Drop Structure 13L2200D ***
                                                                                          TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 22.80                       Invert(ft): 63.940
               Rise(in): 18.84                  Control Elev(ft): 63.940


-----------------------------------------------------------------------------------------------------
         Name: 13L2450D            From Node: OXFORD             Length(ft): 120.00
        Group: 13L                   To Node: 13L2400N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                 Flow: Both
     Rise(in): 54.00          54.00                     Entrance Loss Coef: 0.500
   Invert(ft): 63.450         62.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure 13L2450D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Vertical: Mavis         Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.000
Geometry: Rectangular        Orifice Disc Coef: 0.600

Span(in): 48.00                     Invert(ft): 68.450
Rise(in): 18.00               Control Elev(ft): 68.450
```

*** Weir 2 of 2 for Drop Structure 13L2450D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.000
Geometry: Rectangular        Orifice Disc Coef: 0.600

Span(in): 52.00                     Invert(ft): 69.950
Rise(in): 36.00               Control Elev(ft): 69.950
```

```
         Name: 13L2530D          From Node: 13L2540P          Length(ft): 50.00
        Group: 13L                 To Node: OXFORD                Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                               Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.500
   Invert(ft): 68.950         68.950                      Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

*** Weir 1 of 2 for Drop Structure 13L2530D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Vertical: Mavis         Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.000
Geometry: Rectangular        Orifice Disc Coef: 0.600

Span(in): 12.00                     Invert(ft): 71.450
Rise(in): 60.00               Control Elev(ft): 71.450
```

*** Weir 2 of 2 for Drop Structure 13L2530D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.000
Geometry: Rectangular        Orifice Disc Coef: 0.600

Span(in): 36.00                     Invert(ft): 73.950
Rise(in): 24.00               Control Elev(ft): 73.950
```

```
         Name: 13L2550D          From Node: 13L2560P          Length(ft): 580.00
        Group: 13L                 To Node: OXFORD                Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                               Flow: Both
     Rise(in): 60.00          60.00                   Entrance Loss Coef: 0.500
   Invert(ft): 78.950         76.950                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure 13L2550D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Vertical: Mavis           Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 4.00                        Invert(ft): 83.950
Rise(in): 18.00                  Control Elev(ft): 83.950
```

*** Weir 2 of 2 for Drop Structure 13L2550D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Horizontal               Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 2.800
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 36.00                       Invert(ft): 85.450
Rise(in): 24.00                  Control Elev(ft): 85.450
```

```
         Name: 13L2710D            From Node: 13L2720P          Length(ft): 340.00
        Group: 13L                   To Node: 13L2700N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 12.00          12.00                                 Flow: Both
     Rise(in): 12.00          12.00                    Entrance Loss Coef: 0.500
   Invert(ft): 70.950         68.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

*** Weir 1 of 1 for Drop Structure 13L2710D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Vertical: Mavis           Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 168.00                      Invert(ft): 72.550
Rise(in): 999.00                 Control Elev(ft): 72.550
```

```
         Name: 13L3200D            From Node: 13P1800P          Length(ft): 460.00
        Group: 13L                   To Node: 13L3100N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse             Solution Algorithm: Most Restrictive
     Span(in): 68.00          68.00                                 Flow: Both
     Rise(in): 43.00          43.00                    Entrance Loss Coef: 0.200
   Invert(ft): 74.820         73.620                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

*** Weir 1 of 1 for Drop Structure 13L3200D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
```

```
                Type: Vertical: Mavis           Top Clip(in): 0.000
                Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 108.00                      Invert(ft): 76.600
            Rise(in): 999.00                 Control Elev(ft): 76.600


-----------------------------------------------------------------------------------------------
         Name: 13M0200D            From Node: 13M0300N           Length(ft): 168.00
        Group: 13M                   To Node: 13L0400N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                                  Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.500
   Invert(ft): 48.580         48.500                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13M0200D ***
                                                                                        TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                Type: Vertical: Mavis           Top Clip(in): 0.000
                Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 63.60                       Invert(ft): 50.750
            Rise(in): 21.96                  Control Elev(ft): 50.750


-----------------------------------------------------------------------------------------------
         Name: 13M0980D            From Node: 13M0990P           Length(ft): 23.00
        Group: 13M                   To Node: 13M0970N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 52.370         51.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13M0980D ***
                                                                                        TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                Type: Horizontal                Top Clip(in): 0.000
                Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 37.00                       Invert(ft): 57.640
            Rise(in): 24.00                  Control Elev(ft): 57.640


-----------------------------------------------------------------------------------------------
         Name: 13M1510D            From Node: 13M1520P           Length(ft): 50.00
        Group: 13M                   To Node: 13M1500N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 55.450         55.400                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure 13M1510D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Vertical: Mavis           Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 12.00                       Invert(ft): 59.950
Rise(in): 6.00                  Control Elev(ft): 59.950
```

*** Weir 2 of 2 for Drop Structure 13M1510D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Horizontal               Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 37.00                       Invert(ft): 60.950
Rise(in): 24.00                 Control Elev(ft): 60.950
```

```
         Name: 13M1900D            From Node: 13M1925P           Length(ft): 80.00
        Group: 13M                   To Node: CONCORD                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 59.950         59.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure 13M1900D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Vertical: Mavis           Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 24.00                       Invert(ft): 60.950
Rise(in): 12.00                 Control Elev(ft): 60.950
```

*** Weir 2 of 2 for Drop Structure 13M1900D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Horizontal               Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 37.00                       Invert(ft): 63.950
Rise(in): 24.00                 Control Elev(ft): 63.950
```

```
         Name: 13M2330D            From Node: 13M2330P           Length(ft): 237.00
        Group: 13M                   To Node: 13M2333N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 63.440         62.920                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:

Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
Outfall structure S-33 to S-36
Assumed Type C Inlet

*** Weir 1 of 2 for Drop Structure 13M2330D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.200
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 37.00                      Invert(ft): 66.410
Rise(in): 24.00                 Control Elev(ft): 66.410
```

*** Weir 2 of 2 for Drop Structure 13M2330D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Vertical: Mavis         Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.200
Geometry: Circular             Orifice Disc Coef: 0.600

Span(in): 4.00                       Invert(ft): 65.250
Rise(in): 4.00                  Control Elev(ft): 65.250
```

```
         Name: 13M2360D            From Node: QUAIL              Length(ft): 326.00
        Group: 13M                   To Node: CONCORD                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 8.00           8.00                                  Flow: Both
     Rise(in): 8.00           8.00                      Entrance Loss Coef: 0.500
   Invert(ft): 61.590         56.110                        Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

added
8" PVCfield verified by BRW/CLR on 12/7/15 - see field notes
dimensions of TOG and weir from field
length and inverts from infrastrucuture
City of Casselberry Infrastructure (Assume NGVD 29)
 assumed d/s is MES

*** Weir 1 of 2 for Drop Structure 13M2360D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.200
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 37.00                      Invert(ft): 65.610
Rise(in): 24.00                 Control Elev(ft): 65.610
```

*** Weir 2 of 2 for Drop Structure 13M2360D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Vertical: Mavis         Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.200
Geometry: Circular             Orifice Disc Coef: 0.600

Span(in): 8.00                       Invert(ft): 61.940
Rise(in): 8.00                  Control Elev(ft): 61.940
```

```
         Name: 13N0100D            From Node: 13N0100P           Length(ft): 73.00
        Group: 13N                   To Node: 13N0150N                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                 Flow: Both
```

```
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 50.450         50.960                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure D110 to D110A
GCS_1048_SD (Assumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated



*** Weir 1 of 2 for Drop Structure 13N0100D ***
                                                                                          TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 52.040
              Rise(in): 3.00                  Control Elev(ft): 52.040

*** Weir 2 of 2 for Drop Structure 13N0100D ***
                                                                                          TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 40.00                       Invert(ft): 53.270
              Rise(in): 26.00                 Control Elev(ft): 53.270


-------------------------------------------------------------------------------------------------
         Name: 13N0200D            From Node: 13N0200P           Length(ft): 49.00
        Group: 13N                   To Node: 13N0250N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 50.960         50.990                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

D114 to D115
GCS_1048_SD (Assaumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated


*** Weir 1 of 2 for Drop Structure 13N0200D ***
                                                                                          TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 54.880
              Rise(in): 28.00                 Control Elev(ft): 54.880

*** Weir 2 of 2 for Drop Structure 13N0200D ***
                                                                                          TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 54.010
              Rise(in): 3.00                  Control Elev(ft): 54.010
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13N0301D            From Node: 13N0301P           Length(ft): 750.00
        Group: 13N                   To Node: 13N0200P                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                      Entrance Loss Coef: 0.500
   Invert(ft): 53.100         51.790                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D100
Assumed Type D Inlet

*** Weir 1 of 1 for Drop Structure 13N0301D ***
                                                                                          TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 49.00                        Invert(ft): 57.990
               Rise(in): 37.00                   Control Elev(ft): 57.990


-----------------------------------------------------------------------------------------------------
         Name: 13N0750D            From Node: 13N0750P           Length(ft): 500.00
        Group: 13N                   To Node: 13N0700P                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 52.430         53.630                         Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
From field recon by BRW/CLR on 12/7/15 - see field notes
length of pipe estimated from aerials
d/s outfall location/invert/type assumed
TOG about ground level - u/s pipe invert measured from TOG in field

*** Weir 1 of 1 for Drop Structure 13N0750D ***
                                                                                          TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 79.00                        Invert(ft): 55.180
               Rise(in): 36.00                   Control Elev(ft): 55.180


-----------------------------------------------------------------------------------------------------
         Name: 13P2300D            From Node: 13P2300P           Length(ft): 1010.00
        Group: 13P                   To Node: 13P2350N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 84.600         83.600                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10
```

```
Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
DS-2 to S-100: See sheets 100, 99,103, 58
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

*** Weir 1 of 2 for Drop Structure 13P2300D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 88.470
              Rise(in): 36.00                  Control Elev(ft): 88.470

*** Weir 2 of 2 for Drop Structure 13P2300D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 87.800
              Rise(in): 6.00                   Control Elev(ft): 87.800


-----------------------------------------------------------------------------------------------
         Name: 13P3400D            From Node: 13P3400P           Length(ft): 502.00
        Group: BASE                  To Node: 13P3450N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                      Entrance Loss Coef: 0.500
   Invert(ft): 88.250         85.950                         Exit Loss Coef: 0.000
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Lowe's Primary Outfall (S-38)

*** Weir 1 of 2 for Drop Structure 13P3400D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 91.300
              Rise(in): 37.00                  Control Elev(ft): 91.300

*** Weir 2 of 2 for Drop Structure 13P3400D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 4.50                        Invert(ft): 88.250
              Rise(in): 4.50                   Control Elev(ft): 88.750


-----------------------------------------------------------------------------------------------
         Name: 13Q0810D            From Node: 13Q0820P           Length(ft): 84.00
        Group: 13Q                   To Node: 13Q0821N                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                      Entrance Loss Coef: 0.500
   Invert(ft): 84.160         83.900                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          1.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Structures S-125/S-125A
GCS_1046_SD
GCS_1049_CD (outfall dimensions - Sheet 75)
US/DS Inverts from Casselberry City Infrstructure (Assumed NAVD 88)
Type D Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                  Count: 2                      Bottom Clip(ft): 0.000
                   Type: Vertical: Mavis           Top Clip(ft): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13Q-W081               Control Elev(ft): 86.480
             Invert(ft): 86.480           Struct Opening Dim(ft): 999.00

*** Weir 2 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 49.00                        Invert(ft): 87.680
               Rise(in): 37.00                  Control Elev(ft): 87.680


-----------------------------------------------------------------------------------------------------
         Name: 13Q0820D            From Node: 13Q0820P           Length(ft): 76.00
        Group: 13Q                   To Node: 13Q0821N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 19.00          19.00                     Entrance Loss Coef: 0.500
   Invert(ft): 84.670         84.410                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure S-123
GCS_1046_SD
GCS_1049_CP (for outfall dimensions)
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)
Type E Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 54.00                        Invert(ft): 87.700
               Rise(in): 36.00                  Control Elev(ft): 87.700

*** Weir 2 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Circular              Orifice Disc Coef: 0.600

               Span(in): 8.00                         Invert(ft): 85.300
               Rise(in): 8.00                   Control Elev(ft): 85.800


-----------------------------------------------------------------------------------------------------
         Name: 13Q0850D            From Node: 13Q0860P           Length(ft): 46.00
        Group: 13Q                   To Node: 13Q0861N                Count: 1
```

```
               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 86.230         86.140                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Changed To Node from 13Q0840P to 13Q0861N
Updated to match Casselberry City Infrstructure



*** Weir 1 of 1 for Drop Structure 13Q0850D ***
                                                                                          TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 54.00                       Invert(ft): 87.780
               Rise(in): 40.00                  Control Elev(ft): 87.780


-----------------------------------------------------------------------------------------------
         Name: 13Q0870D            From Node: 13Q0870P           Length(ft): 80.00
        Group: 13Q                   To Node: 13Q0875N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                 Flow: Both
     Rise(in): 18.00          18.00                     Entrance Loss Coef: 0.500
   Invert(ft): 82.450         85.000                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Field Recon by BRW/CLR on 12/7/15 - see field notes
estimated length from aerials
estimated weir inverts measuring to TOG (elevation at ground level)
assumed an u/s invert based on weir slot elevation
estimated d/s invert from other inverts at MH

*** Weir 1 of 2 for Drop Structure 13Q0870D ***
                                                                                          TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 48.00                       Invert(ft): 87.840
               Rise(in): 36.00                  Control Elev(ft): 87.840

*** Weir 2 of 2 for Drop Structure 13Q0870D ***
                                                                                          TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 20.00                       Invert(ft): 86.170
               Rise(in): 20.00                  Control Elev(ft): 86.170


-----------------------------------------------------------------------------------------------
         Name: 13Q2291D            From Node: 13Q2291N           Length(ft): 450.00
        Group: 13Q                   To Node: 13Q2292N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
```

```
     Span(in): 15.00          15.00                                    Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 78.370         76.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 23
Control Structure Basin 1

*** Weir 1 of 2 for Drop Structure 13Q2291D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13Q2291X               Control Elev(ft): 81.250
            Invert(ft): 81.250           Struct Opening Dim(ft): 9999.00

*** Weir 2 of 2 for Drop Structure 13Q2291D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                         Invert(ft): 77.450
              Rise(in): 3.00                   Control Elev(ft): 77.950


==========================================================================================
==== Weirs ===============================================================================
==========================================================================================

         Name: 12-0102X            From Node: 12-01-02
        Group: 12                    To Node: 13C0600N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Parabolic

              Top Width(ft): 300.00
           Corres Depth(ft): 0.90
                 Invert(ft): 18.850
       Control Elevation(ft): 18.850
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600

MAINTENANCE/ACCESS ROAD

-------------------------------------------------------------------------------------------------------
         Name: 13A0400B            From Node: 13A0500N
        Group: 13A                    To Node: 13A0300N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-B04X
                 Invert(ft): 4.650
       Control Elevation(ft): 4.650
      Struct Opening Dim(ft): 14.58
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------------
         Name: 13A0730W            From Node: 13A0735P
        Group: 13A                    To Node: 13A0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                  Span(in): 240.00
                  Rise(in): 999.00
               Invert(ft): 24.250
      Control Elevation(ft): 24.250
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A0810W           From Node: 13A0820P
       Group: 13A                  To Node: 13A0800N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 1200.00
                  Rise(in): 999.00
               Invert(ft): 21.950
      Control Elevation(ft): 21.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A2000B           From Node: 13A2100N
       Group: 13A                  To Node: 13A1900N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                     XSec: 13A-B20X
               Invert(ft): 19.850
      Control Elevation(ft): 19.850
     Struct Opening Dim(ft): 5.58
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A2325B           From Node: 13A2350N
       Group: 13A                  To Node: 13A2300N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                     XSec: 13A-B23X
               Invert(ft): 20.550
      Control Elevation(ft): 20.550
     Struct Opening Dim(ft): 10.30
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A2500B           From Node: 13A2600N
       Group: 13A                  To Node: 13A2400N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                     XSec: 13A-B25X
               Invert(ft): 22.750
      Control Elevation(ft): 22.750
     Struct Opening Dim(ft): 8.24
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
```

```
         Name: 13A3310W           From Node: 13A3320P
        Group: 13A                  To Node: 13A3300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 960.00
                   Rise(in): 999.00
                Invert(ft): 41.950
      Control Elevation(ft): 41.950
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
         Name: 13A3410W           From Node: 13A3420P
        Group: 13A                  To Node: 13A3400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 720.00
                   Rise(in): 999.00
                Invert(ft): 48.750
      Control Elevation(ft): 48.750
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
         Name: 13A3430W           From Node: 13A3440P
        Group: 13A                  To Node: 13A3420P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13A-W343
                Invert(ft): 50.450
      Control Elevation(ft): 50.450
     Struct Opening Dim(ft): 999.00
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
         Name: 13A3905W           From Node: 13A3910P
        Group: 13A                  To Node: 13A3900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13A-W390
                Invert(ft): 39.150
      Control Elevation(ft): 39.150
     Struct Opening Dim(ft): 999.00
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
         Name: 13A3915W           From Node: 13A3920P
        Group: 13A                  To Node: 13A3900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 4800.00
                   Rise(in): 999.00
                Invert(ft): 40.950
      Control Elevation(ft): 40.950
                                        TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
```

```
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4110W           From Node: 13A4120P
        Group: 13A                  To Node: 13A4100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 40.950
       Control Elevation(ft): 40.950
                                            TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4500W           From Node: 13A4600N
        Group: 13A                  To Node: 13A4400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A4500X
                 Invert(ft): 40.550
       Control Elevation(ft): 40.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4900B           From Node: 13A5000N
        Group: 13A                  To Node: 13A4800N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A-B49X
                 Invert(ft): 41.850
       Control Elevation(ft): 41.850
      Struct Opening Dim(ft): 6.71
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A5310W           From Node: 13A5320P
        Group: 13A                  To Node: 13A5300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 51.650
       Control Elevation(ft): 51.650
                                            TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A5700B           From Node: 13A5800N
        Group: 13A                  To Node: 13A5600N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A-B57X
                 Invert(ft): 47.230
       Control Elevation(ft): 47.230
```

```
      Struct Opening Dim(ft): 3.98
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A5900W            From Node: 13A6000P
        Group: 13A                   To Node: 13A5800N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-W590
                  Invert(ft): 48.640
       Control Elevation(ft): 48.640
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A5910W            From Node: 13A6000P
        Group: 13A                   To Node: 13A5500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 180.00
                     Rise(in): 999.00
                  Invert(ft): 52.450
       Control Elevation(ft): 52.450
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13B0200W            From Node: 13B0200N
        Group: 13B                   To Node: 13A0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13B0200X
                  Invert(ft): 13.950
       Control Elevation(ft): 13.950
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_1          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_2          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
```

```
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_3          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_4          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2300W            From Node: 13C2400P
        Group: 13C                   To Node: 13C2200P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 15.50
                    Rise(in): 15.50
                  Invert(ft): 30.980
       Control Elevation(ft): 30.980
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2301W            From Node: 13C2400P
        Group: 13C                   To Node: 13C2200P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13C-W230
                  Invert(ft): 35.480
       Control Elevation(ft): 35.480
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: 13D0150W           From Node: 13D0150N
        Group: 13D                  To Node: 13A2750N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 4800.00
                   Rise(in): 999.00
                 Invert(ft): 33.550
      Control Elevation(ft): 33.550
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13D0160W           From Node: 13D0170P
        Group: 13D                  To Node: 13D0150N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 69.60
                   Rise(in): 999.00
                 Invert(ft): 30.960
      Control Elevation(ft): 30.960
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F0405W_1         From Node: 13F0410P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13F-W041
                 Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F0405W_2         From Node: 13F0410P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13F-W041
                 Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F0435W           From Node: 13F0440P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13F-W044
                 Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F0445W           From Node: 13F0450P
       Group: 13F                  To Node: 13F0400P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 720.00
                   Rise(in): 999.00
                 Invert(ft): 50.950
      Control Elevation(ft): 50.950
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F1200W           From Node: 13F1300P
       Group: 13F                  To Node: 13F1000P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 2856.00
                   Rise(in): 999.00
                 Invert(ft): 55.150
      Control Elevation(ft): 55.150
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F1374W           From Node: 13F1374P
       Group: 13F                  To Node: 13F1378P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 64.950
      Control Elevation(ft): 64.950
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13G0550W           From Node: 13G0500N
       Group: 13G                  To Node: 13G1200P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13G0550X
                 Invert(ft): 48.150
      Control Elevation(ft): 48.150
     Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13G1000W           From Node: 13G1200P
       Group: 13G                  To Node: 13A5200N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13G1000X
```

```
                Invert(ft): 45.850
      Control Elevation(ft): 45.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13G2200W           From Node: 13G1200P
       Group: 13G                  To Node: 13G2100N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13G2200X
                Invert(ft): 46.850
      Control Elevation(ft): 46.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13H0100W           From Node: HODGE
       Group: 13H                  To Node: 13A5500N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13H0100X
                Invert(ft): 53.050
      Control Elevation(ft): 53.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13H0200W           From Node: IRENE-S
       Group: 13H                  To Node: HODGE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13H0200X
                Invert(ft): 64.850
      Control Elevation(ft): 64.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13I0630W           From Node: LWILDMER
       Group: 13I                  To Node: WILDMERE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

             Top Width(ft): 120.00
         Corres Depth(ft): 0.90
                Invert(ft): 63.050
      Control Elevation(ft): 63.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
```

```
        Name: 13I1210W           From Node: JANE
       Group: 13I                  To Node: WILDMERE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 660.00
                  Rise(in): 999.00
              Invert(ft): 66.050
     Control Elevation(ft): 66.050
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
        Name: 13I1250W           From Node: EVERGRN
       Group: 13I                  To Node: WILDMERE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                     XSec: 13I1250X
              Invert(ft): 57.050
     Control Elevation(ft): 57.050
    Struct Opening Dim(ft): 999.00
                                        TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
        Name: 13I1512W           From Node: 13I1512N
       Group: 13I                  To Node: 13I1510N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 300.00
                  Rise(in): 999.00
              Invert(ft): 66.050
     Control Elevation(ft): 66.050
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
        Name: 13I1514W           From Node: 13I1514P
       Group: 13I                  To Node: 13I1506N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 300.00
                  Rise(in): 999.00
              Invert(ft): 65.950
     Control Elevation(ft): 65.950
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------
        Name: 13J0315W           From Node: 13J0320N
       Group: 13J                  To Node: 13J0300N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Horz Ellipse

                  Span(in): 72.00
                  Rise(in): 47.00
              Invert(ft): 59.150
     Control Elevation(ft): 59.150
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 2.800
```

```
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13J0316W           From Node: 13J0320N
        Group: 13J                  To Node: 13J0300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 13.00
      Left Side Slope(h/v): 7.50
     Right Side Slope(h/v): 7.50
                 Invert(ft): 64.550
     Control Elevation(ft): 64.550
    Struct Opening Dim(ft): 999.00
                                              TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
      Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13J0700W           From Node: 13J0700N
        Group: 13J                  To Node: 13J0640N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                 Invert(ft): 76.050
     Control Elevation(ft): 76.050
                                              TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13J1805W           From Node: 13J1800N
        Group: 13J                  To Node: JANE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 100.00
          Corres Depth(ft): 1.80
                 Invert(ft): 77.150
     Control Elevation(ft): 77.150
    Struct Opening Dim(ft): 999.00
                                              TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
      Weir Discharge Coef: 2.400
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13J1810W           From Node: 13J1820P
        Group: 13J                  To Node: 13J1800N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 3240.00
                    Rise(in): 999.00
                 Invert(ft): 82.050
     Control Elevation(ft): 82.050
                                              TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13J2221W           From Node: 13J2221P
        Group: 13J                  To Node: 13J2220P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                  Span(in): 2640.00
                  Rise(in): 999.00
              Invert(ft): 87.450
      Control Elevation(ft): 87.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2222W           From Node: 13J2222P
       Group: 13J                  To Node: 13J2221P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 65.00
       Left Side Slope(h/v): 173.33
      Right Side Slope(h/v): 16.00
              Invert(ft): 89.200
      Control Elevation(ft): 89.200
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2232W           From Node: 13J2232N
       Group: 13J                  To Node: 13J2200P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 144.00
                  Rise(in): 6.00
              Invert(ft): 81.450
      Control Elevation(ft): 81.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2233W           From Node: 13J2233P
       Group: 13J                  To Node: 13J2232N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 1200.00
                  Rise(in): 999.00
              Invert(ft): 81.850
      Control Elevation(ft): 81.850
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2234W           From Node: 13J2234P
       Group: 13J                  To Node: 13J2233P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                  Span(in): 72.00
                  Rise(in): 999.00
              Invert(ft): 82.450
      Control Elevation(ft): 82.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: 13K0830W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0820N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 6.50
                    Rise(in): 12.60
                  Invert(ft): 61.580
       Control Elevation(ft): 61.580
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0831W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0820N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 36.00
                    Rise(in): 54.00
                  Invert(ft): 62.630
       Control Elevation(ft): 62.630
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0870W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0860N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 6.50
                    Rise(in): 12.60
                  Invert(ft): 61.070
       Control Elevation(ft): 61.070
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0871W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0860N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 36.00
                    Rise(in): 54.00
                  Invert(ft): 62.120
       Control Elevation(ft): 62.120
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K1175W           From Node: 13K1300N
        Group: 13K                  To Node: 13K1150P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 62.450
       Control Elevation(ft): 62.450
                                          TABLE
             Bottom Clip(in): 0.000
```

```
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1700W            From Node: 13K1750N
        Group: 13K                   To Node: 13K1600N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13K-W170
                  Invert(ft): 72.000
       Control Elevation(ft): 72.000
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1710W            From Node: 13K1750N
        Group: 13K                   To Node: 13K1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 75.510
       Control Elevation(ft): 75.510
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K2220W            From Node: 13K2240P
        Group: 13K                   To Node: TROUT
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                     Span(in): 240.00
                     Rise(in): 999.00
                  Invert(ft): 79.950
       Control Elevation(ft): 79.950
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3000W            From Node: 13K3050P
        Group: 13K                   To Node: GRIFFIN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13K_SJ30
                  Invert(ft): 77.900
       Control Elevation(ft): 77.900
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3100W            From Node: 13K3200P
        Group: 13K                   To Node: 13K3050P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                     Span(in): 84.00
```

```
                  Rise(in): 28.80
                Invert(ft): 79.550
      Control Elevation(ft): 79.550
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K3101W            From Node: 13K3200P
       Group: 13K                   To Node: 13K3050P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 2400.00
                  Rise(in): 999.00
                Invert(ft): 81.950
      Control Elevation(ft): 81.950
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K4000W            From Node: 13K4050P
       Group: 13K                   To Node: GRIFFIN
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13K_SJ40
                Invert(ft): 78.150
      Control Elevation(ft): 78.150
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K4025W            From Node: 13K4050P
       Group: 13K                   To Node: 13K3050P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13K_SJ35
                Invert(ft): 77.950
      Control Elevation(ft): 77.950
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K4325W            From Node: 13K4400P
       Group: 13K                   To Node: 13K4200P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 0.00
       Left Side Slope(h/v): 62.50
      Right Side Slope(h/v): 100.00
                Invert(ft): 82.150
      Control Elevation(ft): 82.150
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13L0031W           From Node: 13L0020N
       Group: 13L                  To Node: 13L0040P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 480.00
                  Rise(in): 999.00
               Invert(ft): 53.950
     Control Elevation(ft): 53.950
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13L0810W           From Node: 13L0820P
       Group: 13L                  To Node: TRIPLT-N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13L-W082
               Invert(ft): 50.750
     Control Elevation(ft): 50.750
     Struct Opening Dim(ft): 999.00
                                        TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Revision of xsec to match terrain
Revised type from Vertical: Mavis Equation


-----------------------------------------------------------------------------------------------
        Name: 13L0900B           From Node: TRIPLT-M
       Group: 13L                  To Node: TRIPLT-N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13L-B09X
               Invert(ft): 48.350
     Control Elevation(ft): 48.350
     Struct Opening Dim(ft): 8.72
                                        TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13L1200W           From Node: TRIPLT-S
       Group: 13L                  To Node: TRIPLT-M
        Flow: Both                   Count: 1
        Type: Vertical: Paved      Geometry: Rectangular

                  Span(in): 600.00
                  Rise(in): 999.00
               Invert(ft): 52.200
     Control Elevation(ft): 52.200
                                        TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Revision
Added - overtopping weir for paved golf cart path

-----------------------------------------------------------------------------------------------
        Name: 13L1202W           From Node: 13L1202N
       Group: GEE                  To Node: 13L1203N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13L1202XW
               Invert(ft): 59.960
     Control Elevation(ft): 59.960
     Struct Opening Dim(ft): 9999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

DEM


-----------------------------------------------------------------------------------------------
         Name: 13L1500B           From Node: 13L1600N
        Group: 13L                  To Node: 13L1400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B15X
                  Invert(ft): 49.250
       Control Elevation(ft): 49.250
      Struct Opening Dim(ft): 6.23
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1850B           From Node: 13L1875P
        Group: 13L                  To Node: 13L1825N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B18X
                  Invert(ft): 50.750
       Control Elevation(ft): 50.750
      Struct Opening Dim(ft): 4.50
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1885W           From Node: 13L1885P
        Group: 13L                  To Node: 13L1890P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 180.00
                     Rise(in): 999.00
                  Invert(ft): 54.890
       Control Elevation(ft): 54.890
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13L1890W_1         From Node: 13L1890P
        Group: 13L                  To Node: QUEENS
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1890XW1
                  Invert(ft): 56.560
       Control Elevation(ft): 56.560
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

-----------------------------------------------------------------------------------------------
         Name: 13L1890W_2         From Node: 13L1890P
        Group: 13L                  To Node: 13L1825N
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1890XW2
                  Invert(ft): 55.350
       Control Elevation(ft): 55.350
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
         Name: 13L1925W            From Node: 13L1950P
        Group: 13L                   To Node: 13L1895P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W192
                  Invert(ft): 54.970
       Control Elevation(ft): 54.970
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: 13L1945W            From Node: 13L1950P
        Group: 13L                   To Node: 13L1875P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1945X
                  Invert(ft): 58.590
       Control Elevation(ft): 58.590
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
xsec points estimated from terrain



-----------------------------------------------------------------------------------------------
         Name: 13L1951W            From Node: 13L1951P
        Group: GEE                   To Node: 13L1950P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1951X
                  Invert(ft): 56.250
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1960B            From Node: 13L1975P
        Group: 13L                   To Node: 13L1950P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B19X
                  Invert(ft): 52.950
       Control Elevation(ft): 52.950
      Struct Opening Dim(ft): 2.65
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
```

```
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1965W            From Node: 13L1975P
        Group: 13L                   To Node: 13L1950P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W196
                  Invert(ft): 55.450
       Control Elevation(ft): 55.450
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.620



-----------------------------------------------------------------------------------------------
         Name: 13L2000B            From Node: 13L2050P
        Group: 13L                   To Node: 13L1975P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B20X
                  Invert(ft): 53.310
       Control Elevation(ft): 53.310
      Struct Opening Dim(ft): 2.81
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2300W            From Node: 13L2300P
        Group: BASE                  To Node: 13L2150N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L2300X
                  Invert(ft): 67.260
       Control Elevation(ft): 67.260
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2400W            From Node: 13L2400N
        Group: 13L                   To Node: 13L2300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L2400XW
                  Invert(ft): 71.830
       Control Elevation(ft): 71.830
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

-----------------------------------------------------------------------------------------------
         Name: 13L2451W            From Node: OXFORD
        Group: 13L                   To Node: 13L2400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

                Top Width(ft): 100.00
            Corres Depth(ft): 0.50
```

```
                 Invert(ft): 73.450
       Control Elevation(ft): 73.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2510W            From Node: 13L2520P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 999.00
                 Invert(ft): 76.950
       Control Elevation(ft): 76.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised Type from Vertical: Mavis Equation based on aerial

-----------------------------------------------------------------------------------------------
         Name: 13L2511W            From Node: 13L2520P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 78.950
       Control Elevation(ft): 78.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2520W            From Node: 13L2520P
        Group: BASE                  To Node: 13L2400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 75.250
       Control Elevation(ft): 75.250
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2531W            From Node: 13L2540P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 78.950
       Control Elevation(ft): 78.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13L2560W1           From Node: 13L2560P
       Group: BASE                  To Node: OXFORD
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 100.00
      Left Side Slope(h/v): 0.00
     Right Side Slope(h/v): 0.00
                Invert(ft): 82.100
     Control Elevation(ft): 82.100
    Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
        Name: 13L2560W2           From Node: 13L2560P
       Group: BASE                  To Node: 13L2540P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 260.00
      Left Side Slope(h/v): 0.00
     Right Side Slope(h/v): 0.00
                Invert(ft): 85.500
     Control Elevation(ft): 85.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
        Name: 13L2560W3           From Node: 13L2560P
       Group: BASE                  To Node: 13L2520P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 100.00
      Left Side Slope(h/v): 0.00
     Right Side Slope(h/v): 0.00
                Invert(ft): 87.200
     Control Elevation(ft): 87.200
    Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
        Name: 13L2711W            From Node: 13L2720P
       Group: 13L                   To Node: 13L2700N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                Invert(ft): 75.950
     Control Elevation(ft): 75.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13L2750W_1          From Node: 13L2750P
       Group: 13L                   To Node: 13L2700N
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Circular

                   Span(in): 4.00
```

```
                  Rise(in): 4.00
                Invert(ft): 73.450
      Control Elevation(ft): 73.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600

orifice
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19

-----------------------------------------------------------------------------------------------
         Name: 13L2750W_2          From Node: 13L2750P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 30.00
       Left Side Slope(h/v): 8.00
      Right Side Slope(h/v): 8.00
                Invert(ft): 77.870
      Control Elevation(ft): 77.870
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Concrete overflow weir
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19
side slopes are estimated

-----------------------------------------------------------------------------------------------
         Name: 13L3111W            From Node: 13L3140P
        Group: 13L                   To Node: 13L3100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L-W311
                Invert(ft): 84.060
      Control Elevation(ft): 84.060
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

updated xsec and invert


-----------------------------------------------------------------------------------------------
         Name: 13L3201W            From Node: 13P1800P
        Group: 13L                   To Node: 13L3100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 1200.00
                  Rise(in): 999.00
                Invert(ft): 82.850
      Control Elevation(ft): 82.850
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M0985W            From Node: 13M0990P
        Group: 13M                   To Node: 13M1100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 0.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 100.00
                Invert(ft): 57.950
      Control Elevation(ft): 57.950
     Struct Opening Dim(ft): 999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1100W           From Node: 13M1100N
        Group: 13M                  To Node: SECRET
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
        Left Side Slope(h/v): 12.00
       Right Side Slope(h/v): 24.00
                  Invert(ft): 57.000
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1400W           From Node: 13M1400N
        Group: 13M                  To Node: 13M1200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13M1400XW
                  Invert(ft): 56.150
       Control Elevation(ft): 56.150
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping sidewalk

-----------------------------------------------------------------------------------------------
         Name: 13M1515W           From Node: 13M1520P
        Group: 13M                  To Node: 13M1500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 61.750
       Control Elevation(ft): 61.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1910W           From Node: 13M1925P
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 100.00
                     Rise(in): 999.00
                  Invert(ft): 66.950
       Control Elevation(ft): 66.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2325W           From Node: 13M2330P
        Group: 13M                  To Node: CONCORD
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 69.450
       Control Elevation(ft): 69.450
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2331W            From Node: 13M2332P
        Group: 13M                   To Node: 13M2331N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331X
                 Invert(ft): 73.220
       Control Elevation(ft): 73.220
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised To Node based on aerial
xsec points from terrain


-----------------------------------------------------------------------------------------------
         Name: 13M2331W2           From Node: 13M2331N
        Group: 13M                   To Node: 13M2330P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331XW2
                 Invert(ft): 67.820
       Control Elevation(ft): 67.820
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
         Name: 13M2334W            From Node: 13M2334N
        Group: 13M                   To Node: 13M2330P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 67.860
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2335W            From Node: 13M2335N
        Group: 13M                   To Node: 13M2334N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 70.150
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2360W           From Node: QUAIL
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                  Invert(ft): 65.780
       Control Elevation(ft): 65.780
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0100W           From Node: 13N0100P
        Group: 13N                  To Node: 13N0200P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 600.00
                  Invert(ft): 54.100
       Control Elevation(ft): 54.100
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm weir
invert from LiDar

-----------------------------------------------------------------------------------------------
         Name: 13N0200W           From Node: 13N0200P
        Group: 13N                  To Node: LOST
         Flow: Both                   Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13N0200X
                  Invert(ft): 55.850
       Control Elevation(ft): 55.850
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

wetland overflow weir
xsec and inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0301W           From Node: 13N0301P
        Group: 13N                  To Node: 13N0050P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 999.00
                  Invert(ft): 58.790
       Control Elevation(ft): 58.790
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
invert estimated from terrian
```

```
--------------------------------------------------------------------------------------------------
         Name: 13N0350W            From Node: 13N0350N
        Group: 13N                   To Node: 13N0300N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13N0350X
                  Invert(ft): 56.390
       Control Elevation(ft): 56.390
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Overtopping Road
xsec and inverts from lidar

--------------------------------------------------------------------------------------------------
         Name: 13N0500W            From Node: 13N0600N
        Group: 13N                   To Node: 13N0400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13N0500X
                  Invert(ft): 58.640
       Control Elevation(ft): 58.640
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping road
INVERT FROM LIDAR

--------------------------------------------------------------------------------------------------
         Name: 13N0700W            From Node: 13N0700P
        Group: 13N                   To Node: 13N0350N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13N0700X
                  Invert(ft): 53.880
       Control Elevation(ft): 53.880
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

GCS_1048_SD (Assaumed NAVD 88)
Invert fron LiDAR

--------------------------------------------------------------------------------------------------
         Name: 13N0750W            From Node: 13N0750P
        Group: 13N                   To Node: 13N0900P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 720.00
                     Rise(in): 999.00
                  Invert(ft): 56.880
       Control Elevation(ft): 56.880
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert and span estimated from terrian


--------------------------------------------------------------------------------------------------
         Name: 13N0800W            From Node: 13N0800P
        Group: 13N                   To Node: 13N0700P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                   Span(in): 600.00
                   Rise(in): 600.00
                 Invert(ft): 55.200
       Control Elevation(ft): 55.200
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm
Tract J to L
GCS_1048_SD (Assaumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_1          From Node: 13N0805N
        Group: 13N                   To Node: 13N0810N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 24.00
                   Rise(in): 16.32
                 Invert(ft): 56.590
       Control Elevation(ft): 56.590
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 -  Slot Weir

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_2          From Node: 13N0805N
        Group: 13N                   To Node: 13N0810N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Circular

                   Span(in): 4.00
                   Rise(in): 4.00
                 Invert(ft): 52.990
       Control Elevation(ft): 52.990
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 - orifice

-----------------------------------------------------------------------------------------------
         Name: 13P0400W            From Node: 13P0400N
        Group: BASE                   To Node: 13P0450N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 150.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 58.500
       Control Elevation(ft): 58.500
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P0500W            From Node: 13P0500P
        Group: 13P                   To Node: 13P0400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13P0400X
                 Invert(ft): 58.570
       Control Elevation(ft): 58.570
      Struct Opening Dim(ft): 999.00
                                          TABLE
```

```
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert
Revised from Mavis Equation


-----------------------------------------------------------------------------------------------
         Name: 13P0501W           From Node: 13P0501N
        Group: GEE                  To Node: 13P0500P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 71.100
      Control Elevation(ft): 71.100
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1152W           From Node: 13P1200N
        Group: 13P                  To Node: 13P1000N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 180.00
                     Rise(in): 999.00
                  Invert(ft): 74.950
      Control Elevation(ft): 74.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1200W           From Node: 13P1250N
        Group: GEE                  To Node: 13P1200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 74.600
      Control Elevation(ft): 74.600
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1750W           From Node: 13P1800P
        Group: 13P                  To Node: 13P1700N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13P-W175
                  Invert(ft): 76.490
      Control Elevation(ft): 76.490
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P1810W           From Node: 13P1810P
        Group: 13P                  To Node: 13P1813N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 86.650
       Control Elevation(ft): 86.650
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
overtopping pond berm weir
invert estimated from terrain

--------------------------------------------------------------------------------------------------
         Name: 13P1811W_1         From Node: 13P1811N
        Group: 13P                  To Node: 13P1812N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 67.88
                   Rise(in): 17.20
                 Invert(ft): 84.200
       Control Elevation(ft): 84.200
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

--------------------------------------------------------------------------------------------------
         Name: 13P1811W_2         From Node: 13P1811N
        Group: 13P                  To Node: 13P1812N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                   Span(in): 4.25
                   Rise(in): 4.25
                 Invert(ft): 82.500
       Control Elevation(ft): 82.500
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

--------------------------------------------------------------------------------------------------
         Name: 13P1813W           From Node: 13P1813N
        Group: 13P                  To Node: 13P1800P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 83.360
       Control Elevation(ft): 83.360
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
overtopping channel berm weir
invert estimated from terrian


--------------------------------------------------------------------------------------------------
         Name: 13P1814W           From Node: 13P1814N
```

```
        Group: 13P                  To Node: 13P1800P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 78.590
       Control Elevation(ft): 78.590
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added; Wetland area to pond; invert estimated from terrain; Revised from RECT to TRAP

-----------------------------------------------------------------------------------------------
         Name: 13P2020W           From Node: 13P2050N
        Group: 13P                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13P2020X
                  Invert(ft): 89.260
       Control Elevation(ft): 89.260
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

added
overflow weir
xsec points from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2100W           From Node: 13P2200N
        Group: 13P                  To Node: 13P2050N
         Flow: Both                   Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13P2100X
                  Invert(ft): 88.450
       Control Elevation(ft): 88.450
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
overflow weir
xsec points from terrain



-----------------------------------------------------------------------------------------------
         Name: 13P2300W           From Node: 13P2300P
        Group: 13P                  To Node: PEARL
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 94.350
       Control Elevation(ft): 94.350
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

overtopping pond berm weir
Estimated invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2400W           From Node: 13P2400P
        Group: 13P                  To Node: PRAIRIE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 91.670
       Control Elevation(ft): 91.670
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping pond berm weir
estimated invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2410W_1          From Node: 13P2410N
        Group: 13P                   To Node: 13P2420N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 84.85
                   Rise(in): 30.00
                 Invert(ft): 89.200
       Control Elevation(ft): 89.200
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

-----------------------------------------------------------------------------------------------
         Name: 13P2410W_2          From Node: 13P2410N
        Group: 13P                   To Node: 13P2420N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                   Span(in): 4.25
                   Rise(in): 4.25
                 Invert(ft): 87.800
       Control Elevation(ft): 87.800
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

-----------------------------------------------------------------------------------------------
         Name: 13P2635W            From Node: 13P2640N
        Group: 13P                   To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 89.950
       Control Elevation(ft): 89.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

-----------------------------------------------------------------------------------------------
         Name: 13P2643W1           From Node: 13P2643N
        Group: BASE                  To Node: 13P2640N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 90.800
       Control Elevation(ft): 90.800
      Struct Opening Dim(ft): 9999.00
```

```
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2643W2           From Node: 13P2643N
        Group: BASE                  To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 80.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 91.000
      Control Elevation(ft): 91.000
     Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2644W1           From Node: 13P2644N
        Group: BASE                  To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 300.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 94.000
      Control Elevation(ft): 94.000
     Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2644W2           From Node: 13P2644N
        Group: BASE                  To Node: MALTBIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 150.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 97.200
      Control Elevation(ft): 97.200
     Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2646W            From Node: 13P2646N
        Group: BASE                  To Node: 13P2644N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 100.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 92.500
      Control Elevation(ft): 92.500
     Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13P2647W           From Node: LPRAIRIE
        Group: 13P                  To Node: 13P2646N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 540.00
                    Rise(in): 999.00
                  Invert(ft): 92.450
       Control Elevation(ft): 92.450
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13P2647W2          From Node: LPRAIRIE
        Group: BASE                 To Node: 13P2660P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 600.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 93.000
       Control Elevation(ft): 93.000
     Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13P2660W           From Node: 13P2660P
        Group: BASE                 To Node: 13P2640N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 45.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 89.500
       Control Elevation(ft): 89.500
     Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13P3400W1          From Node: 13P3400P
        Group: BASE                 To Node: 13P3450N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 37.00
                    Rise(in): 49.00
                  Invert(ft): 89.300
       Control Elevation(ft): 89.300
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600
```

GRATE

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0450W           From Node: 13Q0500N
        Group: 13Q                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                   Span(in): 1000.00
                   Rise(in): 999.00
                 Invert(ft): 88.650
       Control Elevation(ft): 88.650
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Revised weir discharge coef. - Originally 2.4

```
---------------------------------------------------------------------------------------------
         Name: 13Q0820W           From Node: 13Q0820P
        Group: BASE                 To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 89.750
       Control Elevation(ft): 89.750
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------
         Name: 13Q0821W           From Node: 13Q0821N
        Group: BASE                 To Node: 13Q0880N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
       Control Elevation(ft): 87.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------
         Name: 13Q0822W1          From Node: 13Q0822N
        Group: BASE                 To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
       Control Elevation(ft): 87.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------
         Name: 13Q0822W2          From Node: 13Q0822N
        Group: BASE                 To Node: 13Q0890N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 89.000
       Control Elevation(ft): 89.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
```

```
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0830W_1          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13Q-W083
                  Invert(ft): 86.480
       Control Elevation(ft): 86.480
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0830W_2          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13Q0830X
                  Invert(ft): 87.570
       Control Elevation(ft): 87.570
      Struct Opening Dim(ft): 9999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
xsec points from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0860W            From Node: 13Q0860P
        Group: 13Q                   To Node: 13Q0861N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 87.920
       Control Elevation(ft): 87.920
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping pond berm weir
invert from terrain data


-----------------------------------------------------------------------------------------------
         Name: 13Q0870W            From Node: 13Q0870P
        Group: 13Q                   To Node: 13Q0865N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 88.120
       Control Elevation(ft): 88.120
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm
estimated inverts from terrain

-----------------------------------------------------------------------------------------------
```

```
         Name: 13Q0875W           From Node: 13Q0875N
        Group: BASE                 To Node: 13Q0880N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 89.600
       Control Elevation(ft): 89.600
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

---------------------------------------------------------------------------------------------------
         Name: 13Q0895W           From Node: 13Q0895N
        Group: 13Q                  To Node: 13Q0896N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 34.00
                    Rise(in): 53.00
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Top of Grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top at ground level - estimated from terrain


---------------------------------------------------------------------------------------------------
         Name: 13Q0896W_1         From Node: 13Q0896N
        Group: 13Q                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13Q0896X
                  Invert(ft): 83.360
       Control Elevation(ft): 83.360
      Struct Opening Dim(ft): 2.25
                                          TABLE
             Bottom Clip(ft): 0.917
                Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Large slot opening
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
inverts estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)
Bottom clip:  removable boards - 11" total

---------------------------------------------------------------------------------------------------
         Name: 13Q0896W_2         From Node: 13Q0896N
        Group: 13Q                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 7.00
                    Rise(in): 7.00
                  Invert(ft): 82.280
       Control Elevation(ft): 82.280
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
invert estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)
```

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_3          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                   Span(in): 37.00
                   Rise(in): 22.00
                 Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Top of grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top elevation at ground level - estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q2291W            From Node: 13Q2290P
        Group: 13Q                   To Node: 13Q0860P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 87.860
       Control Elevation(ft): 87.860
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overflow weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q2294W_1          From Node: 13Q2294N
        Group: 13Q                   To Node: 13Q2295N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 30.12
                 Invert(ft): 74.640
       Control Elevation(ft): 74.640
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1037_SD (NGVD 29)
s-8
No width available - assumed 4'

-----------------------------------------------------------------------------------------------
         Name: 13Q2295W            From Node: 13Q2300P
        Group: 13Q                   To Node: CONCORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 360.00
                   Rise(in): 999.00
                 Invert(ft): 75.980
       Control Elevation(ft): 75.980
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Overtopping pond wall (at NE corner)
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: A_ALTON             From Node: 13A1300N
        Group: 13A                   To Node: 13A1100N
         Flow: Both                    Count: 1
```

```
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_ALTON
                   Invert(ft): 19.580
       Control Elevation(ft): 19.580
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: A_COSTA             From Node: 13A2600N
       Group: 13A                   To Node: 13A2400N
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13A-B25R
                   Invert(ft): 32.000
       Control Elevation(ft): 32.000
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: A_EDGEM1            From Node: 13A3600N
       Group: 13A                   To Node: 13A3400N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 540.00
                     Rise(in): 999.00
                   Invert(ft): 40.150
       Control Elevation(ft): 40.150
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: A_EDGEM2            From Node: 13A3954P
       Group: 13A                   To Node: 13A3990P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                   Invert(ft): 50.380
       Control Elevation(ft): 50.380
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: A_FOOTBR            From Node: 13A2350N
       Group: 13A                   To Node: 13A2300N
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13A-B23R
                   Invert(ft): 31.850
       Control Elevation(ft): 31.850
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: A_HAYES             From Node: 13A2100N
        Group: 13A                   To Node: 13A1900N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B20R
                  Invert(ft): 26.360
       Control Elevation(ft): 26.360
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_LAURA             From Node: 13A5800N
        Group: 13A                   To Node: 13A5600N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B57R
                  Invert(ft): 52.580
       Control Elevation(ft): 52.580
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_MOSS              From Node: 13A3200N
        Group: 13A                   To Node: 13A3000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RA_MOSS
                  Invert(ft): 36.510
       Control Elevation(ft): 36.510
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_MURPHY            From Node: 13A3900N
        Group: 13A                   To Node: 13A3700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RA_MURPH
                  Invert(ft): 43.510
       Control Elevation(ft): 43.510
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_TRADEW            From Node: 13A3954P
        Group: 13A                   To Node: 13A3952P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 50.510
       Control Elevation(ft): 50.510
                                          TABLE
             Bottom Clip(in): 0.000
```

```
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: C_ALTON             From Node: 13C1000N
        Group: 13C                   To Node: 13C0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RC_ALTON
                  Invert(ft): 19.250
       Control Elevation(ft): 19.250
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: C_HAYES             From Node: 13C2200P
        Group: 13C                   To Node: 13C2000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RC_HAYES
                  Invert(ft): 33.950
       Control Elevation(ft): 33.950
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: C_JEEP              From Node: 13C0500N
        Group: 13C                   To Node: 13C0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                      Span(in): 300.00
                      Rise(in): 999.00
                  Invert(ft): 14.350
       Control Elevation(ft): 14.350
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: C_SHORE             From Node: 13C1700N
        Group: 13C                   To Node: 13C1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RC_SHORE
                  Invert(ft): 29.850
       Control Elevation(ft): 29.850
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: D_FLAMIN            From Node: 13D0700N
        Group: 13D                   To Node: 13D0500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_FLAMI
```

```
                Invert(ft): 41.180
      Control Elevation(ft): 41.180
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: D_MOSS1            From Node: 13D0310N
       Group: 13D                  To Node: 13D0200N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RD_MOSS
                Invert(ft): 38.350
      Control Elevation(ft): 38.350
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: D_MOSS2            From Node: 13D0330N
       Group: 13D                  To Node: 13D0200N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RD_MOSS
                Invert(ft): 38.350
      Control Elevation(ft): 38.350
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: D_MOSS3            From Node: 13D0400N
       Group: 13D                  To Node: 13D0330N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RD_MOSS
                Invert(ft): 38.350
      Control Elevation(ft): 38.350
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: F_EDGEMO           From Node: 13F0700N
       Group: 13F                  To Node: 13A3990P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                Invert(ft): 51.050
      Control Elevation(ft): 51.050
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: F_LAKE1            From Node: CEMETERY
```

```
        Group: 13F                  To Node: 13F1300P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 63.550
      Control Elevation(ft): 63.550
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE2             From Node: 13F1374P
        Group: 13F                  To Node: 13F1300P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 65.450
      Control Elevation(ft): 65.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE3             From Node: 13F1378P
        Group: 13F                  To Node: 13F1300P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 65.750
      Control Elevation(ft): 65.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_MURPHY            From Node: 13F0700N
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_MURPH
                  Invert(ft): 50.580
      Control Elevation(ft): 50.580
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_SEVENT            From Node: 13F0400P
        Group: 13F                  To Node: 13F0200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_SEVEN
                  Invert(ft): 47.750
      Control Elevation(ft): 47.750
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: I_CHURCH            From Node: GEM
       Group: 13I                   To Node: 13I1500P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 470.00
           Corres Depth(ft): 0.60
                 Invert(ft): 73.350
     Control Elevation(ft): 73.350
    Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: I_CR434             From Node: 13I1500P
       Group: 13I                   To Node: EVERGRN
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: RI_CR434
                 Invert(ft): 64.130
     Control Elevation(ft): 64.130
    Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: I_EAST              From Node: FERN
       Group: 13I                   To Node: LWILDMER
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 80.00
           Corres Depth(ft): 1.50
                 Invert(ft): 62.450
     Control Elevation(ft): 62.450
    Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: I_GRANT             From Node: 13I1514P
       Group: 13I                   To Node: 13I1500P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 75.00
           Corres Depth(ft): 0.50
                 Invert(ft): 65.450
     Control Elevation(ft): 65.450
    Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: I_MAGNOL            From Node: ORANGE
       Group: 13I                   To Node: 13I1500P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
```

```
                  Rise(in): 999.00
                Invert(ft): 75.250
      Control Elevation(ft): 75.250
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: I_WILDME            From Node: WILDMERE
       Group: 13I                   To Node: 13I1000N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RI_WILDM
                Invert(ft): 61.260
      Control Elevation(ft): 61.260
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_CR427             From Node: 13J2100N
       Group: 13J                   To Node: 13J1900N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 1200.00
                  Rise(in): 999.00
                Invert(ft): 83.250
      Control Elevation(ft): 83.250
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_GRANT             From Node: 13J0300N
       Group: 13J                   To Node: FAIRY
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RJ_GRANT
                Invert(ft): 61.100
      Control Elevation(ft): 61.100
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_MARVIN            From Node: 13J0600N
       Group: 13J                   To Node: 13J0400N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RJ_MARVI
                Invert(ft): 74.310
      Control Elevation(ft): 74.310
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_OLEAND            From Node: 13J1000N
```

```
        Group: 13J                  To Node: 13J0900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OLEAN
                   Invert(ft): 76.550
       Control Elevation(ft): 76.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: J_OVERST            From Node: 13J0800N
        Group: 13J                   To Node: 13J0700N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OVERS
                   Invert(ft): 76.150
       Control Elevation(ft): 76.150
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: J_TULLIS            From Node: 13J1600N
        Group: 13J                   To Node: 13J1400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_TULLI
                   Invert(ft): 77.550
       Control Elevation(ft): 77.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: J_WILDME            From Node: 13J1300N
        Group: 13J                   To Node: 13J1100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_WILDM
                   Invert(ft): 78.210
       Control Elevation(ft): 78.210
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: K_#1792N            From Node: 13K0650N
        Group: 13K                   To Node: 13K0400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                   Invert(ft): 64.350
       Control Elevation(ft): 64.350
                                            TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
        Name: K_#1792S            From Node: 13K0750N
       Group: 13K                   To Node: 13K0650N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 64.950
      Control Elevation(ft): 64.950
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: K_GOLDEN            From Node: 13K0900P
       Group: 13K                   To Node: 13K0750N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 63.950
      Control Elevation(ft): 63.950
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: K_GRIFF1            From Node: GRIFFIN
       Group: 13K                   To Node: 13K1750N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 76.450
      Control Elevation(ft): 76.450
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: K_GRIFF2            From Node: GRIFFIN
       Group: 13K                   To Node: 13K0750N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 76.150
      Control Elevation(ft): 76.150
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
        Name: K_GRIFF3            From Node: GRIFFIN
       Group: 13K                   To Node: 13K1500N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 76.150
      Control Elevation(ft): 76.150
```

```
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SEMINO            From Node: 13K0400N
        Group: 13K                   To Node: KATHRYN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RK_SEMIN
                 Invert(ft): 60.670
       Control Elevation(ft): 60.670
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SLUMBE            From Node: 13K1300N
        Group: 13K                   To Node: 13K0900P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                 Invert(ft): 67.750
       Control Elevation(ft): 67.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_CGC12             From Node: 13L1875P
        Group: 13L                   To Node: 13L1825N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13L-B18R
                 Invert(ft): 56.000
       Control Elevation(ft): 56.000
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_CGC13             From Node: 13L1975P
        Group: 13L                   To Node: 13L1950P
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13L-B19R
                 Invert(ft): 55.950
       Control Elevation(ft): 55.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_CGC14             From Node: 13L2050P
        Group: 13L                   To Node: 13L1975P
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular
```

```
                      XSec: 13L-B20R
                 Invert(ft): 56.250
       Control Elevation(ft): 56.250
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_KATHRY            From Node: 13L0020N
        Group: 13L                   To Node: KATHRYN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
            Corres Depth(ft): 0.90
                 Invert(ft): 54.050
       Control Elevation(ft): 54.050
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_NTRIPL            From Node: 13L1020P
        Group: 13L                   To Node: TRIPLT-M
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                      XSec: RL_NTRIP
                 Invert(ft): 54.560
       Control Elevation(ft): 54.560
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: L_OXFORD            From Node: 13L2700N
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                      XSec: RL_OXFOR
                 Invert(ft): 73.210
       Control Elevation(ft): 73.210
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: P_MORSE             From Node: 13P2661P
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                      XSec: RP_MORSE
                 Invert(ft): 89.550
       Control Elevation(ft): 89.550
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

updated xsec and inverts from terrain
```

```
-----------------------------------------------------------------------------------------------
         Name: P_NTRIPL            From Node: 13P0400N
        Group: 13P                   To Node: 13P0450N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RP_NTRIP
                  Invert(ft): 60.150
       Control Elevation(ft): 60.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
Changed To Node
Adjusted invert to match xsec

-----------------------------------------------------------------------------------------------
         Name: P_SOUTHC            From Node: 13P1600N
        Group: 13P                   To Node: 13P1400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RP_SOUTH
                  Invert(ft): 79.280
       Control Elevation(ft): 79.280
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_ANCHO1            From Node: 13Q0820P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 150.00
                     Rise(in): 999.00
                  Invert(ft): 89.050
       Control Elevation(ft): 89.050
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_OAK               From Node: 13Q0940P
        Group: 13Q                   To Node: 13Q0820P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_OAK
                  Invert(ft): 88.960
       Control Elevation(ft): 88.960
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec

-----------------------------------------------------------------------------------------------
         Name: Q_PINE              From Node: 13Q0924P
        Group: 13Q                   To Node: 13Q0940P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_PINE
                  Invert(ft): 88.510
       Control Elevation(ft): 88.510
      Struct Opening Dim(ft): 999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised invert to match xsec


==========================================================================================
==== Rating Curves ======================================================================
==========================================================================================

         Name: 13L101PS            From Node: 13L1020P                Count: 1
        Group: 13L                   To Node: TRIPLT-M                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: 13L-PS10         53.950          53.450
          #2:                  -1.050          -1.050
          #3:                  -1.050          -1.050
          #4:                  -1.050          -1.050



-------------------------------------------------------------------------------------------------
         Name: 13P182PS            From Node: PINEYRDG                Count: 1
        Group: 13P                   To Node: 13P1824N                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: 13P-PS18         83.950          79.350
          #2:                  -1.050          -1.050
          #3:                  -1.050          -1.050
          #4:                  -1.050          -1.050



-------------------------------------------------------------------------------------------------
         Name: 13P270PS            From Node: MALTBIE                 Count: 1
        Group: 13P                   To Node: PRAIRIE                  Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: 13P-PS27         81.950          80.950
          #2: 13P-PS28         83.450          80.950
          #3:                  -1.050          -1.050
          #4:                  -1.050          -1.050


==========================================================================================
==== Hydrology Simulations ==============================================================
==========================================================================================

         Name: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G002YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-------------------------------------------------------------------------------------------------
         Name: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G010YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 6.80

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-------------------------------------------------------------------------------------------------
         Name: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G025YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
```

```
          Rainfall File: Flmod
    Rainfall Amount(in): 8.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------
         Name: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 11.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

=============================================================================================
==== Routing Simulations ====================================================================
=============================================================================================

         Name: G002YR24HR          Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G002YR24HR.I32

      Execute: No          Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR               Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            No
GEE             No
OP_TABLES       No


-----------------------------------------------------------------------------------------------
         Name: G002YR24HR1         Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G002YR24HR.I32

      Execute: Yes         Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR               Boundary Flows:
```

GEE CREEK - SCENARIO 1
2 YR - 24 HR
12/16//15

Time(hrs)	Print Inc(min)
8.000	30.000
16.000	10.000
99.000	30.000

Group	Run
12	No
13A	No
13B	No
13C	No
13D	No
13F	No
13G	No
13H	No
13I	No
13J	No
13K	No
13L	No
13M	Yes
13N	No
13P	No
13Q	No
BASE	No
GEE	No
OP_TABLES	No
Scenario1	No

```
         Name: G002YR24HR2         Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G002YR24HR.I32

      Execute: Yes         Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR              Boundary Flows:
```

GEE CREEK - SCENARIO 2
2 YR - 24 HR
12/16//15

Time(hrs)	Print Inc(min)
8.000	30.000
16.000	10.000
99.000	30.000

Group	Run
12	No
13A	No
13B	No
13C	No
13D	No
13F	No
13G	No
13H	No
13I	No
13J	No
13K	No
13L	No
13M	Yes
13N	No
13P	No
13Q	No
BASE	Yes
GEE	No
OP_TABLES	No
Scenario2	No

```
         Name: G002YR24HR3         Hydrology Sim: G002YR24HR
```

```
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G002YR24HR.I32

      Execute: Yes         Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 3
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            No
GEE             No
OP_TABLES       No
Scenario2       No
Scenario3       No


-------------------------------------------------------------------------------------------------
         Name: G010YR24HR          Hydrology Sim: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G010YR24HR.I32

      Execute: No          Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B010YR24HR               Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
10 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
```

13M	Yes
13N	No
13P	No
13Q	No
BASE	No
GEE	No
OP_TABLES	No

```
         Name: G025YR24HR          Hydrology Sim: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G025YR24HR.I32

      Execute: No          Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B025YR24HR               Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
25 YR - 24 HR
12/16//15
```

Time(hrs)	Print Inc(min)
8.000	30.000
16.000	10.000
99.000	30.000

Group	Run
12	No
13A	No
13B	No
13C	No
13D	No
13F	No
13G	No
13H	No
13I	No
13J	No
13K	No
13L	No
13M	Yes
13N	No
13P	No
13Q	No
BASE	No
GEE	No
OP_TABLES	No

```
         Name: G100YR24HR          Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G100YR24HR.I32

      Execute: No          Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
100 YR - 24 HR
12/16//15
```

Time(hrs)	Print Inc(min)
8.000	30.000
16.000	10.000
99.000	30.000

Group	Run
12	No
13A	No
13B	No

```
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            No
GEE             No
OP_TABLES       No


-------------------------------------------------------------------------------------------------
         Name: G100YR24HR1         Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G100YR24HR.I32

      Execute: Yes         Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 1
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            No
GEE             No
OP_TABLES       No
Scenario1       No


-------------------------------------------------------------------------------------------------
         Name: G100YR24HR2         Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G100YR24HR.I32

      Execute: Yes         Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 2
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
```

```
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            Yes
GEE             No
OP_TABLES       No
Scenario2       No


-------------------------------------------------------------------------------------------------
         Name: G100YR24HR3         Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G100YR24HR.I32

      Execute: Yes         Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 3
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            No
GEE             No
OP_TABLES       No
Scenario2       No
Scenario3       No


-------------------------------------------------------------------------------------------------
         Name: initial             Hydrology Sim:
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\initial.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No
```

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 0.01
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           0.100
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes


==========================================================================================
==== Boundary Conditions ================================================================
==========================================================================================

      Name: B002YR24HR            Node: 12-01-02              Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           9.390
          0.500          12.880
          1.000          13.120
          1.500          13.210
          2.000          13.240
          2.500          13.240
          3.000          13.230
          3.500          13.230
          4.000          13.220
          4.500          13.220
          5.000          13.210
          5.500          13.210
          6.000          13.210
          6.500          13.210
          7.000          13.210
          7.500          13.220
          8.000          13.230
          8.500          13.240
          8.670          13.250
          8.830          13.260
          9.000          13.270
          9.170          13.280
          9.330          13.290
          9.500          13.310
          9.670          13.320
          9.830          13.340
         10.000          13.360
         10.170          13.380
         10.330          13.400
         10.500          13.440
         10.670          13.490
         10.830          13.540
         11.000          13.590
         11.170          13.630
         11.330          13.680
         11.500          13.750
         11.670          13.860
```

11.830	14.120
12.000	14.570
12.170	14.960
12.330	15.130
12.500	15.280
12.670	15.400
12.830	15.490
13.000	15.550
13.170	15.590
13.330	15.620
13.500	15.650
13.670	15.670
13.830	15.690
14.000	15.720
14.170	15.750
14.330	15.780
14.500	15.810
14.670	15.830
14.830	15.860
15.000	15.880
15.170	15.910
15.330	15.920
15.500	15.940
15.670	15.950
15.830	15.960
16.000	15.960
16.170	15.960
16.670	15.950
17.170	15.920
17.670	15.900
18.170	15.870
18.670	15.830
19.170	15.780
19.670	15.740
20.170	15.700
20.670	15.660
21.170	15.620
21.670	15.580
22.170	15.550
22.670	15.530
23.170	15.500
23.670	15.470
24.170	15.450
24.670	15.410
25.170	15.370
25.670	15.330
26.170	15.280
26.670	15.220
27.170	15.170
27.670	15.110
28.170	15.060
28.670	15.010
29.170	14.970
29.670	14.930
30.170	14.900
30.670	14.830
31.170	14.800
31.670	14.770
32.170	14.760
32.670	14.740
33.170	14.730
33.670	14.710
34.170	14.700
34.670	14.680
35.170	14.670
35.670	14.650
36.170	14.630
36.670	14.620
37.170	14.600
37.670	14.590
38.170	14.570
38.670	14.550
39.170	14.530
39.670	14.520
40.170	14.500
40.670	14.470
41.170	14.450
41.670	14.430
42.170	14.410
42.670	14.380
43.170	14.360
43.670	14.330
44.170	14.310
44.670	14.290
45.170	14.260

45.670	14.240
46.170	14.210
46.670	14.190
47.170	14.160
47.670	14.140
48.170	14.120
48.670	14.090
49.170	14.070
49.670	14.050
50.170	14.030
50.670	14.010
51.170	13.980
51.670	13.960
52.170	13.940
52.670	13.920
53.170	13.900
53.670	13.880
54.170	13.860
54.670	13.830
55.170	13.810
55.670	13.790
56.170	13.770
56.670	13.750
57.170	13.730
57.670	13.710
58.170	13.690
58.670	13.670
59.170	13.650
59.670	13.630
60.170	13.600
60.670	13.580
61.170	13.560
61.670	13.540
62.170	13.520
62.670	13.500
63.170	13.480
63.670	13.450
64.170	13.440
64.670	13.430
65.170	13.410
65.670	13.390
66.170	13.370
66.670	13.350
67.170	13.330
67.670	13.310
68.170	13.290
68.670	13.270
69.170	13.250
69.670	13.230
70.170	13.210
70.670	13.190
71.170	13.170
71.670	13.150
72.000	13.140

Name: B010YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.240
3.000	13.240
3.500	13.250
4.000	13.250
4.500	13.260
5.000	13.270
5.500	13.280
6.000	13.300
6.500	13.330
7.000	13.360
7.500	13.400
8.000	13.450
8.500	13.530
8.670	13.570
8.830	13.590
9.000	13.620
9.170	13.650
9.330	13.680
9.500	13.710
9.670	13.740

9.830	13.780
10.000	13.820
10.170	13.860
10.330	13.900
10.500	13.950
10.670	14.010
10.830	14.060
11.000	14.130
11.170	14.210
11.330	14.310
11.500	14.440
11.670	14.660
11.830	14.930
12.000	15.140
12.170	15.390
12.330	15.640
12.500	15.850
12.670	16.050
12.830	16.210
13.000	16.330
13.170	16.420
13.330	16.500
13.500	16.570
13.670	16.630
13.830	16.700
14.000	16.770
14.170	16.830
14.330	16.900
14.500	16.960
14.670	17.010
14.830	17.060
15.000	17.110
15.170	17.150
15.330	17.180
15.500	17.220
15.670	17.240
15.830	17.270
16.000	17.290
16.170	17.300
16.670	17.330
17.170	17.330
17.670	17.310
18.170	17.290
18.670	17.250
19.170	17.170
19.670	17.090
20.170	17.000
20.670	16.940
21.170	16.890
21.670	16.860
22.170	16.830
22.670	16.800
23.170	16.770
23.670	16.740
24.170	16.710
24.670	16.670
25.170	16.630
25.670	16.580
26.170	16.530
26.670	16.470
27.170	16.410
27.670	16.350
28.170	16.290
28.670	16.230
29.170	16.180
29.670	16.130
30.170	16.080
30.670	16.030
31.170	15.990
31.670	15.950
32.170	15.920
32.670	15.890
33.170	15.870
33.670	15.840
34.170	15.820
34.670	15.810
35.170	15.790
35.670	15.770
36.170	15.760
36.670	15.750
37.170	15.730
37.670	15.720
38.170	15.710
38.670	15.700
39.170	15.690

39.670	15.680
40.170	15.660
40.670	15.650
41.170	15.640
41.670	15.630
42.170	15.620
42.670	15.600
43.170	15.590
43.670	15.580
44.170	15.560
44.670	15.550
45.170	15.530
45.670	15.520
46.170	15.500
46.670	15.490
47.170	15.470
47.670	15.450
48.170	15.440
48.670	15.420
49.170	15.400
49.670	15.390
50.170	15.370
50.670	15.350
51.170	15.330
51.670	15.310
52.170	15.300
52.670	15.280
53.170	15.260
53.670	15.240
54.170	15.220
54.670	15.200
55.170	15.180
55.670	15.160
56.170	15.140
56.670	15.120
57.170	15.100
57.670	15.080
58.170	15.060
58.670	15.040
59.170	15.010
59.670	14.990
60.170	14.970
60.670	14.950
61.170	14.920
61.670	14.900
62.170	14.860
62.670	14.820
63.170	14.790
63.670	14.770
64.170	14.750
64.670	14.730
65.170	14.710
65.670	14.680
66.170	14.660
66.670	14.640
67.170	14.620
67.670	14.590
68.170	14.570
68.670	14.550
69.170	14.520
69.670	14.500
70.170	14.470
70.670	14.440
71.170	14.420
71.670	14.390
72.000	14.370

Name: B025YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.250
3.000	13.260
3.500	13.270
4.000	13.280
4.500	13.310
5.000	13.330
5.500	13.360
6.000	13.400

6.500	13.450
7.000	13.520
7.500	13.600
8.000	13.670
8.500	13.760
8.670	13.790
8.830	13.830
9.000	13.870
9.170	13.900
9.330	13.940
9.500	13.980
9.670	14.020
9.830	14.060
10.000	14.110
10.170	14.160
10.330	14.240
10.500	14.320
10.670	14.420
10.830	14.530
11.000	14.640
11.170	14.750
11.330	14.850
11.500	14.910
11.670	14.990
11.830	15.160
12.000	15.390
12.170	15.650
12.330	15.920
12.500	16.160
12.670	16.380
12.830	16.580
13.000	16.750
13.170	16.880
13.330	16.990
13.500	17.090
13.670	17.180
13.830	17.270
14.000	17.360
14.170	17.450
14.330	17.530
14.500	17.610
14.670	17.680
14.830	17.750
15.000	17.810
15.170	17.860
15.330	17.910
15.500	17.950
15.670	17.990
15.830	18.020
16.000	18.050
16.170	18.070
16.670	18.120
17.170	18.140
17.670	18.140
18.170	18.120
18.670	18.100
19.170	18.060
19.670	18.030
20.170	17.990
20.670	17.960
21.670	17.910
22.170	17.890
22.670	17.880
23.170	17.870
23.670	17.860
24.170	17.860
24.670	17.850
25.170	17.840
25.670	17.830
26.170	17.810
26.670	17.780
27.170	17.740
27.670	17.700
28.170	17.650
28.670	17.600
29.170	17.540
29.670	17.470
30.170	17.400
30.670	17.330
31.170	17.250
31.670	17.160
32.170	17.080
32.670	17.010
33.170	16.950
33.670	16.910

34.170	16.880
34.670	16.850
35.170	16.820
35.670	16.780
36.170	16.740
36.670	16.690
37.170	16.640
37.670	16.580
38.170	16.530
38.670	16.480
39.170	16.430
39.670	16.380
40.170	16.330
40.670	16.280
41.170	16.240
41.670	16.200
42.170	16.170
42.670	16.130
43.170	16.100
43.670	16.080
44.170	16.050
44.670	16.030
45.170	16.010
45.670	15.990
46.170	15.980
46.670	15.960
47.170	15.950
47.670	15.930
48.170	15.920
48.670	15.900
49.170	15.890
49.670	15.880
50.170	15.860
50.670	15.850
51.170	15.840
51.670	15.820
52.170	15.810
52.670	15.800
53.170	15.780
53.670	15.770
54.170	15.760
54.670	15.740
55.170	15.730
55.670	15.720
56.170	15.700
56.670	15.690
57.170	15.670
57.670	15.660
58.170	15.640
58.670	15.620
59.170	15.610
59.670	15.590
60.170	15.570
60.670	15.550
61.170	15.530
61.670	15.510
62.170	15.500
62.670	15.480
63.170	15.460
63.670	15.440
64.170	15.420
64.670	15.400
65.170	15.380
65.670	15.360
66.170	15.340
66.670	15.320
67.170	15.300
67.670	15.280
68.170	15.260
68.670	15.240
69.170	15.220
69.670	15.190
70.170	15.170
70.670	15.150
71.170	15.130
71.670	15.110
72.000	15.100

Name: B100YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880

1.000	13.120
1.500	13.210
2.000	13.250
2.500	13.270
3.000	13.300
3.500	13.330
4.000	13.370
4.500	13.420
5.000	13.490
5.500	13.590
6.000	13.650
6.500	13.730
7.000	13.820
7.500	13.920
8.000	14.020
8.500	14.140
8.670	14.190
8.830	14.250
9.000	14.330
9.170	14.410
9.330	14.490
9.500	14.570
9.670	14.640
9.830	14.720
10.000	14.790
10.170	14.860
10.330	14.900
10.500	14.940
10.670	14.990
10.830	15.040
11.000	15.110
11.170	15.180
11.330	15.250
11.500	15.330
11.670	15.440
11.830	15.610
12.000	15.850
12.170	16.130
12.330	16.420
12.500	16.700
12.670	16.970
12.830	17.190
13.000	17.390
13.170	17.560
13.330	17.720
13.500	17.870
13.670	18.010
13.830	18.140
14.000	18.260
14.170	18.370
14.330	18.480
14.500	18.580
14.670	18.670
14.830	18.760
15.000	18.830
15.170	18.890
15.330	18.950
15.500	19.000
15.670	19.040
15.830	19.080
16.000	19.120
16.170	19.150
16.670	19.250
17.170	19.350
17.670	19.450
18.170	19.540
18.670	19.620
19.170	19.680
19.670	19.730
20.170	19.780
20.670	19.810
21.170	19.830
21.670	19.850
22.170	19.860
22.670	19.850
23.170	19.840
23.670	19.820
24.170	19.800
24.670	19.780
25.170	19.750
25.670	19.720
26.170	19.680
26.670	19.640
27.170	19.600
27.670	19.550

28.170	19.510
28.670	19.460
29.170	19.410
29.670	19.360
30.170	19.310
30.670	19.260
31.170	19.210
31.670	19.160
32.170	19.100
32.670	19.050
33.170	18.990
33.670	18.930
34.170	18.860
34.670	18.790
35.170	18.720
35.670	18.640
36.170	18.550
36.670	18.460
37.170	18.370
37.670	18.270
38.170	18.170
38.670	18.070
39.170	17.970
39.670	17.870
40.170	17.760
40.670	17.650
41.170	17.540
41.670	17.430
42.170	17.320
42.670	17.220
43.170	17.110
43.670	17.020
44.170	16.960
44.670	16.910
45.170	16.880
45.670	16.860
46.170	16.830
46.670	16.790
47.170	16.760
47.670	16.720
48.170	16.680
48.670	16.640
49.170	16.590
49.670	16.550
50.170	16.510
50.670	16.470
51.170	16.430
51.670	16.390
52.170	16.350
52.670	16.320
53.170	16.290
53.670	16.250
54.170	16.220
54.670	16.190
55.170	16.170
55.670	16.140
56.170	16.130
56.670	16.110
57.170	16.090
57.670	16.080
58.170	16.060
58.670	16.050
59.170	16.030
59.670	16.020
60.170	16.000
60.670	15.990
61.170	15.970
61.670	15.960
62.170	15.950
62.670	15.930
63.170	15.920
63.670	15.900
64.170	15.890
64.670	15.870
65.170	15.860
65.670	15.840
66.170	15.830
66.670	15.810
67.170	15.800
67.670	15.780
68.170	15.770
68.670	15.760
69.170	15.740
69.670	15.730
70.170	15.710

70.670	15.700
71.170	15.690
71.670	15.670
72.000	15.660

Appendix D
Existing Conditions
(Hydrologic & Hydraulic Model Data)

D.3 Basin Max Comparison Report – Existing Condition

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A0100B	GEE	12.07	13.14	2.811	70822
G010YR24HR	13A0100B	GEE	12.07	23.29	5.054	127319
G025YR24HR	13A0100B	GEE	12.07	30.47	6.689	168505
G100YR24HR	13A0100B	GEE	12.07	43.05	9.616	242252
G002YR24HR	13A0300B	GEE	13.17	16.16	2.466	264466
G010YR24HR	13A0300B	GEE	13.17	30.63	4.625	495907
G025YR24HR	13A0300B	GEE	13.17	41.13	6.221	667082
G100YR24HR	13A0300B	GEE	13.08	59.76	9.102	976023
G002YR24HR	13A0600B	GEE	13.33	6.80	3.510	123321
G010YR24HR	13A0600B	GEE	13.33	11.19	5.862	205991
G025YR24HR	13A0600B	GEE	13.33	14.27	7.544	265070
G100YR24HR	13A0600B	GEE	13.33	19.68	10.523	369768
G002YR24HR	13A0725B	GEE	12.07	2.69	2.627	14497
G010YR24HR	13A0725B	GEE	12.07	4.91	4.828	26639
G025YR24HR	13A0725B	GEE	12.07	6.48	6.444	35557
G100YR24HR	13A0725B	GEE	12.07	9.25	9.350	51587
G002YR24HR	13A0735B	GEE	12.58	20.31	3.094	227643
G010YR24HR	13A0735B	GEE	12.58	34.95	5.388	396480
G025YR24HR	13A0735B	GEE	12.58	45.28	7.045	518391
G100YR24HR	13A0735B	GEE	12.58	63.35	9.997	735574
G002YR24HR	13A0800B	GEE	12.33	12.72	1.855	110558
G010YR24HR	13A0800B	GEE	12.33	27.04	3.812	227199
G025YR24HR	13A0800B	GEE	12.33	37.81	5.311	316564
G100YR24HR	13A0800B	GEE	12.33	57.25	8.073	481181
G002YR24HR	13A0820B	GEE	13.75	18.78	3.289	409145
G010YR24HR	13A0820B	GEE	13.75	31.80	5.614	698442
G025YR24HR	13A0820B	GEE	13.75	40.99	7.285	906221
G100YR24HR	13A0820B	GEE	13.75	57.11	10.252	1275361
G002YR24HR	13A0950B	GEE	12.24	11.46	2.071	81939
G010YR24HR	13A0950B	GEE	12.18	23.12	4.108	162547
G025YR24HR	13A0950B	GEE	12.18	31.79	5.647	223448
G100YR24HR	13A0950B	GEE	12.18	47.29	8.459	334708
G002YR24HR	13A1000B	GEE	12.10	7.78	2.164	42096
G010YR24HR	13A1000B	GEE	12.07	15.29	4.232	82345
G025YR24HR	13A1000B	GEE	12.07	20.82	5.787	112588
G100YR24HR	13A1000B	GEE	12.07	30.63	8.617	167666
G002YR24HR	13A1001B	GEE	12.67	6.79	1.771	81466
G010YR24HR	13A1001B	GEE	12.67	14.78	3.694	169879
G025YR24HR	13A1001B	GEE	12.67	20.85	5.175	238018
G100YR24HR	13A1001B	GEE	12.67	31.87	7.914	363975
G002YR24HR	13A1002B	GEE	12.07	4.75	2.728	25548
G010YR24HR	13A1002B	GEE	12.07	8.51	4.952	46380
G025YR24HR	13A1002B	GEE	12.07	11.19	6.579	61615
G100YR24HR	13A1002B	GEE	12.07	15.87	9.497	88942
G002YR24HR	13A1101B	GEE	13.00	14.95	2.534	214168
G010YR24HR	13A1101B	GEE	12.92	28.00	4.710	398062
G025YR24HR	13A1101B	GEE	12.92	37.43	6.315	533643
G100YR24HR	13A1101B	GEE	12.92	54.10	9.205	777913
G002YR24HR	13A1102B	GEE	12.07	8.60	2.739	46329
G010YR24HR	13A1102B	GEE	12.07	15.41	4.966	83997
G025YR24HR	13A1102B	GEE	12.07	20.24	6.593	111534
G100YR24HR	13A1102B	GEE	12.07	28.70	9.513	160914
G002YR24HR	13A1300B	GEE	12.33	12.88	2.984	112773
G010YR24HR	13A1300B	GEE	12.33	22.44	5.259	198735
G025YR24HR	13A1300B	GEE	12.33	29.19	6.907	261015
G100YR24HR	13A1300B	GEE	12.33	41.01	9.849	372164
G002YR24HR	13A1400B	GEE	12.10	8.94	2.336	48171
G010YR24HR	13A1400B	GEE	12.07	17.04	4.459	91935
G025YR24HR	13A1400B	GEE	12.07	22.92	6.039	124513
G100YR24HR	13A1400B	GEE	12.07	33.32	8.901	183525
G002YR24HR	13A1600B	GEE	12.07	9.19	3.299	50304
G010YR24HR	13A1600B	GEE	12.07	15.30	5.627	85794
G025YR24HR	13A1600B	GEE	12.07	19.58	7.299	111278
G100YR24HR	13A1600B	GEE	12.07	27.07	10.268	156548
G002YR24HR	13A1601B	GEE	12.12	12.85	2.727	76426
G010YR24HR	13A1601B	GEE	12.12	23.07	4.951	138748
G025YR24HR	13A1601B	GEE	12.12	30.33	6.578	184327

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13A1601B	GEE	12.12	43.05	9.495	266081
G002YR24HR	13A1700B	GEE	12.07	10.68	3.276	58396
G010YR24HR	13A1700B	GEE	12.07	17.83	5.601	99828
G025YR24HR	13A1700B	GEE	12.07	22.84	7.271	129596
G100YR24HR	13A1700B	GEE	12.07	31.60	10.239	182492
G002YR24HR	13A1701B	GEE	12.17	45.38	2.728	306575
G010YR24HR	13A1701B	GEE	12.17	81.77	4.952	556559
G025YR24HR	13A1701B	GEE	12.17	107.64	6.579	739383
G100YR24HR	13A1701B	GEE	12.17	153.04	9.497	1067307
G002YR24HR	13A1800B	GEE	12.07	10.04	3.231	54780
G010YR24HR	13A1800B	GEE	12.07	16.85	5.550	94077
G025YR24HR	13A1800B	GEE	12.07	21.62	7.217	122343
G100YR24HR	13A1800B	GEE	12.07	29.97	10.182	172602
G002YR24HR	13A1801B	GEE	12.07	11.79	2.656	63436
G010YR24HR	13A1801B	GEE	12.07	21.37	4.863	116166
G025YR24HR	13A1801B	GEE	12.07	28.19	6.483	154843
G100YR24HR	13A1801B	GEE	12.07	40.17	9.392	224327
G002YR24HR	13A1802B	GEE	12.10	2.83	2.453	15224
G010YR24HR	13A1802B	GEE	12.07	5.29	4.608	28604
G025YR24HR	13A1802B	GEE	12.07	7.06	6.204	38508
G100YR24HR	13A1802B	GEE	12.07	10.19	9.084	56390
G002YR24HR	13A1901B	GEE	12.20	20.62	2.739	147441
G010YR24HR	13A1901B	GEE	12.20	37.11	4.965	267278
G025YR24HR	13A1901B	GEE	12.20	48.85	6.592	354879
G100YR24HR	13A1901B	GEE	12.20	69.43	9.510	511964
G002YR24HR	13A1902B	GEE	12.10	3.44	2.126	18597
G010YR24HR	13A1902B	GEE	12.07	6.80	4.182	36584
G025YR24HR	13A1902B	GEE	12.07	9.28	5.730	50129
G100YR24HR	13A1902B	GEE	12.07	13.69	8.553	74828
G002YR24HR	13A2100B	GEE	12.07	8.04	2.728	43273
G010YR24HR	13A2100B	GEE	12.07	14.42	4.952	78558
G025YR24HR	13A2100B	GEE	12.07	18.95	6.579	104364
G100YR24HR	13A2100B	GEE	12.07	26.88	9.497	150650
G002YR24HR	13A2200B	GEE	12.07	16.56	3.499	91834
G010YR24HR	13A2200B	GEE	12.07	27.00	5.852	153580
G025YR24HR	13A2200B	GEE	12.07	34.31	7.534	197717
G100YR24HR	13A2200B	GEE	12.07	47.11	10.514	275945
G002YR24HR	13A2201B	GEE	12.20	26.95	2.608	193021
G010YR24HR	13A2201B	GEE	12.20	49.52	4.803	355509
G025YR24HR	13A2201B	GEE	12.20	65.66	6.417	474926
G100YR24HR	13A2201B	GEE	12.20	94.05	9.318	689697
G002YR24HR	13A2202B	GEE	12.10	4.76	2.426	25627
G010YR24HR	13A2202B	GEE	12.07	8.94	4.574	48320
G025YR24HR	13A2202B	GEE	12.07	11.96	6.166	65137
G100YR24HR	13A2202B	GEE	12.07	17.28	9.043	95524
G002YR24HR	13A2220B	GEE	12.10	14.54	1.338	84780
G010YR24HR	13A2220B	GEE	12.10	35.57	3.056	193715
G025YR24HR	13A2220B	GEE	12.10	52.08	4.431	280837
G100YR24HR	13A2220B	GEE	12.07	82.78	7.030	445566
G002YR24HR	13A2300B	GEE	12.07	3.12	2.726	16823
G010YR24HR	13A2300B	GEE	12.07	5.61	4.950	30547
G025YR24HR	13A2300B	GEE	12.07	7.37	6.577	40584
G100YR24HR	13A2300B	GEE	12.07	10.46	9.494	58589
G002YR24HR	13A2350B	GEE	12.07	8.64	3.268	47219
G010YR24HR	13A2350B	GEE	12.07	14.44	5.592	80788
G025YR24HR	13A2350B	GEE	12.07	18.50	7.262	104910
G100YR24HR	13A2350B	GEE	12.07	25.60	10.229	147779
G002YR24HR	13A2351B	GEE	12.07	6.70	2.721	36047
G010YR24HR	13A2351B	GEE	12.07	12.02	4.943	65497
G025YR24HR	13A2351B	GEE	12.07	15.81	6.569	87041
G100YR24HR	13A2351B	GEE	12.07	22.44	9.486	125690
G002YR24HR	13A2400B	GEE	12.07	9.64	2.707	51885
G010YR24HR	13A2400B	GEE	12.07	17.34	4.927	94427
G025YR24HR	13A2400B	GEE	12.07	22.81	6.551	125566
G100YR24HR	13A2400B	GEE	12.07	32.41	9.467	181443
G002YR24HR	13A2600B	GEE	12.07	7.99	3.356	43858

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13A2600B	GEE	12.07	13.21	5.692	74378
G025YR24HR	13A2600B	GEE	12.07	16.87	7.366	96262
G100YR24HR	13A2600B	GEE	12.07	23.28	10.339	135111
G002YR24HR	13A2601B	GEE	12.32	36.16	2.266	288182
G010YR24HR	13A2601B	GEE	12.32	70.08	4.367	555306
G025YR24HR	13A2601B	GEE	12.24	94.91	5.936	754875
G100YR24HR	13A2601B	GEE	12.24	139.29	8.785	1117122
G002YR24HR	13A2701B	GEE	12.07	4.98	2.575	26828
G010YR24HR	13A2701B	GEE	12.07	9.15	4.763	49621
G025YR24HR	13A2701B	GEE	12.07	12.13	6.373	66397
G100YR24HR	13A2701B	GEE	12.07	17.36	9.272	96593
G002YR24HR	13A2750B	GEE	12.13	24.52	2.435	149175
G010YR24HR	13A2750B	GEE	12.13	46.09	4.585	280956
G025YR24HR	13A2750B	GEE	12.13	61.63	6.178	378577
G100YR24HR	13A2750B	GEE	12.13	89.02	9.056	554924
G002YR24HR	13A2820B	GEE	12.17	14.56	2.562	98485
G010YR24HR	13A2820B	GEE	12.17	26.91	4.746	182461
G025YR24HR	13A2820B	GEE	12.17	35.77	6.355	244305
G100YR24HR	13A2820B	GEE	12.17	51.35	9.252	355656
G002YR24HR	13A2900B	GEE	12.92	8.70	1.554	126777
G010YR24HR	13A2900B	GEE	12.92	20.11	3.381	275772
G025YR24HR	13A2900B	GEE	12.92	28.99	4.813	392583
G100YR24HR	13A2900B	GEE	12.83	45.45	7.488	610761
G002YR24HR	13A2901B	GEE	13.33	15.77	1.837	289326
G010YR24HR	13A2901B	GEE	13.33	33.89	3.787	596277
G025YR24HR	13A2901B	GEE	13.33	47.67	5.282	831721
G100YR24HR	13A2901B	GEE	13.25	72.84	8.038	1265722
G002YR24HR	13A2902B	GEE	15.14	12.98	1.321	188711
G010YR24HR	13A2902B	GEE	15.05	32.46	3.030	432854
G025YR24HR	13A2902B	GEE	15.05	48.10	4.398	628416
G100YR24HR	13A2902B	GEE	15.05	77.37	6.989	998535
G002YR24HR	13A2903B	GEE	17.72	3.02	0.574	69908
G010YR24HR	13A2903B	GEE	17.47	12.15	1.768	215495
G025YR24HR	13A2903B	GEE	17.47	20.89	2.837	345681
G100YR24HR	13A2903B	GEE	17.38	38.95	5.001	609439
G002YR24HR	13A3200B	GEE	12.07	8.50	2.857	45845
G010YR24HR	13A3200B	GEE	12.07	14.97	5.110	81982
G025YR24HR	13A3200B	GEE	12.07	19.54	6.749	108281
G100YR24HR	13A3200B	GEE	12.07	27.54	9.681	155328
G002YR24HR	13A3201B	GEE	12.17	23.38	2.674	158011
G010YR24HR	13A3201B	GEE	12.17	42.48	4.886	288724
G025YR24HR	13A3201B	GEE	12.17	56.09	6.507	384530
G100YR24HR	13A3201B	GEE	12.17	79.99	9.418	556577
G002YR24HR	13A3202B	GEE	12.10	4.06	2.045	22046
G010YR24HR	13A3202B	GEE	12.07	8.16	4.073	43911
G025YR24HR	13A3202B	GEE	12.07	11.20	5.608	60457
G100YR24HR	13A3202B	GEE	12.07	16.64	8.414	90713
G002YR24HR	13A3300B	GEE	12.07	8.54	3.024	46220
G010YR24HR	13A3300B	GEE	12.07	14.70	5.309	81130
G025YR24HR	13A3300B	GEE	12.07	19.03	6.962	106392
G100YR24HR	13A3300B	GEE	12.07	26.61	9.910	151450
G002YR24HR	13A3320B	GEE	12.10	18.09	2.182	97749
G010YR24HR	13A3320B	GEE	12.07	35.41	4.257	190685
G025YR24HR	13A3320B	GEE	12.07	48.14	5.814	260443
G100YR24HR	13A3320B	GEE	12.07	70.73	8.649	387406
G002YR24HR	13A3400B	GEE	12.23	51.21	2.682	393359
G010YR24HR	13A3400B	GEE	12.23	93.14	4.896	717944
G025YR24HR	13A3400B	GEE	12.23	123.05	6.517	955754
G100YR24HR	13A3400B	GEE	12.23	175.60	9.429	1382720
G002YR24HR	13A3420B	GEE	12.10	9.00	1.605	50446
G010YR24HR	13A3420B	GEE	12.10	20.12	3.455	108621
G025YR24HR	13A3420B	GEE	12.10	28.61	4.900	154041
G100YR24HR	13A3420B	GEE	12.07	44.23	7.592	238664
G002YR24HR	13A3440B	GEE	14.58	1.66	0.754	52647
G010YR24HR	13A3440B	GEE	14.33	5.43	2.098	146529
G025YR24HR	13A3440B	GEE	14.25	8.82	3.258	227533
G100YR24HR	13A3440B	GEE	14.17	15.64	5.557	388092

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A3600B	GEE	12.07	19.18	2.942	103579
G010YR24HR	13A3600B	GEE	12.07	33.38	5.211	183472
G025YR24HR	13A3600B	GEE	12.07	43.39	6.857	241445
G100YR24HR	13A3600B	GEE	12.07	60.89	9.798	344991
G002YR24HR	13A3910B	GEE	12.07	23.83	2.881	128547
G010YR24HR	13A3910B	GEE	12.07	41.82	5.139	229243
G025YR24HR	13A3910B	GEE	12.07	54.52	6.780	302465
G100YR24HR	13A3910B	GEE	12.07	76.74	9.715	433393
G002YR24HR	13A3920B	GEE	12.07	26.65	3.690	150135
G010YR24HR	13A3920B	GEE	12.07	42.68	6.061	246630
G025YR24HR	13A3920B	GEE	12.07	53.92	7.750	315369
G100YR24HR	13A3920B	GEE	12.07	73.64	10.739	436996
G002YR24HR	13A3921B	GEE	12.07	27.95	2.663	150415
G010YR24HR	13A3921B	GEE	12.07	50.62	4.872	275204
G025YR24HR	13A3921B	GEE	12.07	66.75	6.492	366708
G100YR24HR	13A3921B	GEE	12.07	95.06	9.402	531070
G002YR24HR	13A3930B	GEE	12.07	37.98	2.682	204438
G010YR24HR	13A3930B	GEE	12.07	68.60	4.896	373194
G025YR24HR	13A3930B	GEE	12.07	90.37	6.518	496841
G100YR24HR	13A3930B	GEE	12.07	128.56	9.430	718845
G002YR24HR	13A3940B	GEE	12.07	8.28	2.728	44560
G010YR24HR	13A3940B	GEE	12.07	14.85	4.952	80895
G025YR24HR	13A3940B	GEE	12.07	19.51	6.579	107468
G100YR24HR	13A3940B	GEE	12.07	27.68	9.497	155132
G002YR24HR	13A3950B	GEE	12.07	18.24	2.708	98202
G010YR24HR	13A3950B	GEE	12.07	32.82	4.928	178701
G025YR24HR	13A3950B	GEE	12.07	43.17	6.553	237620
G100YR24HR	13A3950B	GEE	12.07	61.33	9.468	343346
G002YR24HR	13A3952B	GEE	13.25	14.34	1.458	248498
G010YR24HR	13A3952B	GEE	13.17	34.23	3.239	551856
G025YR24HR	13A3952B	GEE	13.08	49.94	4.646	791692
G100YR24HR	13A3952B	GEE	13.08	79.29	7.289	1241966
G002YR24HR	13A3954B	GEE	12.18	23.43	1.274	163352
G010YR24HR	13A3954B	GEE	12.13	59.26	2.958	379276
G025YR24HR	13A3954B	GEE	12.13	88.07	4.314	553081
G100YR24HR	13A3954B	GEE	12.13	141.88	6.887	883022
G002YR24HR	13A3956B	GEE	12.13	3.24	0.755	24164
G010YR24HR	13A3956B	GEE	12.10	11.58	2.100	67239
G025YR24HR	13A3956B	GEE	12.10	18.79	3.261	104401
G100YR24HR	13A3956B	GEE	12.10	32.89	5.561	178056
G002YR24HR	13A3960B	GEE	12.10	9.95	1.767	54893
G010YR24HR	13A3960B	GEE	12.10	21.28	3.688	114591
G025YR24HR	13A3960B	GEE	12.07	29.84	5.169	160619
G100YR24HR	13A3960B	GEE	12.07	45.40	7.908	245726
G002YR24HR	13A3962B	GEE	12.16	33.37	2.533	221323
G010YR24HR	13A3962B	GEE	12.16	61.95	4.710	411544
G025YR24HR	13A3962B	GEE	12.16	82.45	6.316	551812
G100YR24HR	13A3962B	GEE	12.16	118.54	9.208	804548
G002YR24HR	13A3964B	GEE	12.07	30.82	2.799	166028
G010YR24HR	13A3964B	GEE	12.07	54.71	5.039	298894
G025YR24HR	13A3964B	GEE	12.07	71.62	6.673	395798
G100YR24HR	13A3964B	GEE	12.07	101.24	9.599	569353
G002YR24HR	13A3990B	GEE	12.10	45.05	1.775	248474
G010YR24HR	13A3990B	GEE	12.10	96.17	3.699	517933
G025YR24HR	13A3990B	GEE	12.07	134.80	5.182	725566
G100YR24HR	13A3990B	GEE	12.07	204.91	7.923	1109350
G002YR24HR	13A4000B	GEE	12.07	15.31	3.679	86133
G010YR24HR	13A4000B	GEE	12.07	24.53	6.049	141633
G025YR24HR	13A4000B	GEE	12.07	31.00	7.738	181175
G100YR24HR	13A4000B	GEE	12.07	42.35	10.727	251147
G002YR24HR	13A4120B	GEE	12.07	30.36	2.932	163918
G010YR24HR	13A4120B	GEE	12.07	52.90	5.199	290656
G025YR24HR	13A4120B	GEE	12.07	68.79	6.845	382652
G100YR24HR	13A4120B	GEE	12.07	96.59	9.785	546994
G002YR24HR	13A4200B	GEE	12.07	8.26	3.382	45418
G010YR24HR	13A4200B	GEE	12.07	13.62	5.720	76830

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13A4200B	GEE	12.07	17.38	7.396	99340
G100YR24HR	13A4200B	GEE	12.07	23.96	10.371	139289
G002YR24HR	13A4300B	GEE	12.07	41.02	3.045	222200
G010YR24HR	13A4300B	GEE	12.07	70.43	5.333	389140
G025YR24HR	13A4300B	GEE	12.07	91.11	6.988	509869
G100YR24HR	13A4300B	GEE	12.07	127.26	9.938	725124
G002YR24HR	13A4301B	GEE	12.10	23.92	2.441	128769
G010YR24HR	13A4301B	GEE	12.07	44.83	4.594	242303
G025YR24HR	13A4301B	GEE	12.07	59.90	6.188	326380
G100YR24HR	13A4301B	GEE	12.07	86.45	9.067	478232
G002YR24HR	13A4700B	GEE	12.10	33.92	2.544	182629
G010YR24HR	13A4700B	GEE	12.07	62.59	4.723	339142
G025YR24HR	13A4700B	GEE	12.07	83.12	6.330	454499
G100YR24HR	13A4700B	GEE	12.07	119.20	9.224	662296
G002YR24HR	13A4701B	GEE	12.07	11.25	2.640	60559
G010YR24HR	13A4701B	GEE	12.07	20.45	4.843	111117
G025YR24HR	13A4701B	GEE	12.07	27.01	6.461	148225
G100YR24HR	13A4701B	GEE	12.07	38.51	9.368	214916
G002YR24HR	13A4720B	GEE	12.33	2.38	0.429	24364
G010YR24HR	13A4720B	GEE	12.10	12.82	1.486	84361
G025YR24HR	13A4720B	GEE	12.10	23.71	2.467	140071
G100YR24HR	13A4720B	GEE	12.10	46.13	4.501	255518
G002YR24HR	13A4721B	GEE	12.83	2.22	0.393	24247
G010YR24HR	13A4721B	GEE	12.63	12.91	1.411	87130
G025YR24HR	13A4721B	GEE	12.60	24.44	2.368	146193
G100YR24HR	13A4721B	GEE	12.60	48.41	4.363	269409
G002YR24HR	13A5001B	GEE	12.07	24.68	3.499	136798
G010YR24HR	13A5001B	GEE	12.07	40.22	5.852	228777
G025YR24HR	13A5001B	GEE	12.07	51.11	7.534	294524
G100YR24HR	13A5001B	GEE	12.07	70.17	10.514	411054
G002YR24HR	13A5002B	GEE	12.07	6.06	3.114	32897
G010YR24HR	13A5002B	GEE	12.07	10.31	5.414	57190
G025YR24HR	13A5002B	GEE	12.07	13.30	7.074	74722
G100YR24HR	13A5002B	GEE	12.07	18.52	10.030	105947
G002YR24HR	13A5100B	GEE	12.07	35.26	3.705	198890
G010YR24HR	13A5100B	GEE	12.07	56.39	6.077	326270
G025YR24HR	13A5100B	GEE	12.07	71.21	7.767	416989
G100YR24HR	13A5100B	GEE	12.07	97.21	10.756	577487
G002YR24HR	13A5101B	GEE	12.07	21.67	2.728	116649
G010YR24HR	13A5101B	GEE	12.07	38.86	4.952	211766
G025YR24HR	13A5101B	GEE	12.07	51.07	6.579	281329
G100YR24HR	13A5101B	GEE	12.07	72.46	9.497	406101
G002YR24HR	13A5300B	GEE	12.07	6.96	3.107	37789
G010YR24HR	13A5300B	GEE	12.07	11.86	5.406	65741
G025YR24HR	13A5300B	GEE	12.07	15.30	7.065	85918
G100YR24HR	13A5300B	GEE	12.07	21.31	10.021	121857
G002YR24HR	13A5320B	GEE	12.10	6.59	1.078	41248
G010YR24HR	13A5320B	GEE	12.10	18.27	2.647	101289
G025YR24HR	13A5320B	GEE	12.10	27.75	3.939	150704
G100YR24HR	13A5320B	GEE	12.10	45.66	6.425	245813
G002YR24HR	13A5400B	GEE	12.20	32.76	2.720	234284
G010YR24HR	13A5400B	GEE	12.20	59.14	4.942	425670
G025YR24HR	13A5400B	GEE	12.20	77.92	6.567	565678
G100YR24HR	13A5400B	GEE	12.20	110.87	9.483	816840
G002YR24HR	13A5500B	GEE	12.10	16.81	2.305	90633
G010YR24HR	13A5500B	GEE	12.07	32.22	4.419	173714
G025YR24HR	13A5500B	GEE	12.07	43.42	5.994	235659
G100YR24HR	13A5500B	GEE	12.07	63.24	8.851	347970
G002YR24HR	13A5600B	GEE	12.07	21.64	3.098	117397
G010YR24HR	13A5600B	GEE	12.07	36.90	5.395	204447
G025YR24HR	13A5600B	GEE	12.07	47.62	7.053	267300
G100YR24HR	13A5600B	GEE	12.07	66.37	10.008	379271
G002YR24HR	13A5800B	GEE	12.07	6.37	3.499	35308
G010YR24HR	13A5800B	GEE	12.07	10.38	5.851	59049
G025YR24HR	13A5800B	GEE	12.07	13.19	7.533	76020
G100YR24HR	13A5800B	GEE	12.07	18.11	10.514	106099

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A6000B	GEE	12.07	184.99	2.843	997162
G010YR24HR	13A6000B	GEE	12.07	326.35	5.092	1786184
G025YR24HR	13A6000B	GEE	12.07	426.30	6.729	2360724
G100YR24HR	13A6000B	GEE	12.07	601.25	9.660	3388833
G002YR24HR	13A6200B	GEE	12.33	224.12	3.546	2061076
G010YR24HR	13A6200B	GEE	12.33	365.38	5.901	3429449
G025YR24HR	13A6200B	GEE	12.33	464.39	7.582	4406564
G100YR24HR	13A6200B	GEE	12.33	637.77	10.560	6137486
G002YR24HR	13A6201B	GEE	12.07	16.74	3.614	93660
G010YR24HR	13A6201B	GEE	12.07	26.99	5.978	154944
G025YR24HR	13A6201B	GEE	12.07	34.17	7.665	198655
G100YR24HR	13A6201B	GEE	12.07	46.76	10.651	276045
G002YR24HR	13B0200B	GEE	12.75	3.65	1.167	48077
G010YR24HR	13B0200B	GEE	12.67	9.73	2.789	114919
G025YR24HR	13B0200B	GEE	12.67	14.71	4.110	169349
G100YR24HR	13B0200B	GEE	12.67	24.13	6.636	273422
G002YR24HR	13B0400B	GEE	14.57	0.16	0.105	5438
G010YR24HR	13B0400B	GEE	12.33	3.89	0.728	37529
G025YR24HR	13B0400B	GEE	12.13	9.61	1.417	73075
G100YR24HR	13B0400B	GEE	12.10	25.14	2.985	153992
G002YR24HR	13B0500B	GEE	12.37	0.95	0.333	11954
G010YR24HR	13B0500B	GEE	12.13	6.52	1.285	46123
G025YR24HR	13B0500B	GEE	12.10	12.87	2.198	78904
G100YR24HR	13B0500B	GEE	12.10	26.36	4.126	148129
G002YR24HR	13B0710B	GEE	12.23	49.31	2.637	379009
G010YR24HR	13B0710B	GEE	12.23	90.33	4.839	695608
G025YR24HR	13B0710B	GEE	12.23	119.65	6.456	928007
G100YR24HR	13B0710B	GEE	12.23	171.20	9.361	1345691
G002YR24HR	13B0740B	GEE	12.10	4.49	1.866	24582
G010YR24HR	13B0740B	GEE	12.10	9.37	3.827	50426
G025YR24HR	13B0740B	GEE	12.07	13.04	5.328	70211
G100YR24HR	13B0740B	GEE	12.07	19.66	8.093	106642
G002YR24HR	13C0100B	GEE	12.29	13.73	2.368	110901
G010YR24HR	13C0100B	GEE	12.29	26.25	4.500	210701
G025YR24HR	13C0100B	GEE	12.29	35.32	6.083	284869
G100YR24HR	13C0100B	GEE	12.29	51.37	8.950	419091
G002YR24HR	13C0500B	GEE	12.07	9.60	2.823	51751
G010YR24HR	13C0500B	GEE	12.07	16.99	5.068	92908
G025YR24HR	13C0500B	GEE	12.07	22.21	6.704	122898
G100YR24HR	13C0500B	GEE	12.07	31.36	9.633	176585
G002YR24HR	13C0600B	GEE	12.07	25.48	3.666	143186
G010YR24HR	13C0600B	GEE	12.07	40.88	6.035	235728
G025YR24HR	13C0600B	GEE	12.07	51.68	7.724	301676
G100YR24HR	13C0600B	GEE	12.07	70.62	10.712	418385
G002YR24HR	13C0800B	GEE	12.07	2.06	2.728	11091
G010YR24HR	13C0800B	GEE	12.07	3.69	4.952	20134
G025YR24HR	13C0800B	GEE	12.07	4.86	6.579	26748
G100YR24HR	13C0800B	GEE	12.07	6.89	9.497	38611
G002YR24HR	13C1000B	GEE	12.07	13.74	3.622	76919
G010YR24HR	13C1000B	GEE	12.07	22.13	5.987	127147
G025YR24HR	13C1000B	GEE	12.07	28.02	7.674	162968
G100YR24HR	13C1000B	GEE	12.07	38.33	10.661	226383
G002YR24HR	13C1001B	GEE	12.07	5.85	2.731	31521
G010YR24HR	13C1001B	GEE	12.07	10.50	4.956	57204
G025YR24HR	13C1001B	GEE	12.07	13.79	6.583	75986
G100YR24HR	13C1001B	GEE	12.07	19.57	9.501	109672
G002YR24HR	13C1100B	GEE	12.07	17.22	3.632	96502
G010YR24HR	13C1100B	GEE	12.07	27.72	5.998	159375
G025YR24HR	13C1100B	GEE	12.07	35.08	7.685	204206
G100YR24HR	13C1100B	GEE	12.07	47.98	10.672	283567
G002YR24HR	13C1120B	GEE	12.16	40.78	2.917	270241
G010YR24HR	13C1120B	GEE	12.16	71.44	5.181	479993
G025YR24HR	13C1120B	GEE	12.16	93.10	6.826	632324
G100YR24HR	13C1120B	GEE	12.16	131.00	9.764	904527
G002YR24HR	13C1200B	GEE	12.07	8.95	3.622	50096
G010YR24HR	13C1200B	GEE	12.07	14.41	5.987	82809
G025YR24HR	13C1200B	GEE	12.07	18.25	7.674	106138

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13C1200B	GEE	12.07	24.96	10.661	147439
G002YR24HR	13C1201B	GEE	12.07	8.83	2.728	47531
G010YR24HR	13C1201B	GEE	12.07	15.84	4.952	86288
G025YR24HR	13C1201B	GEE	12.07	20.81	6.579	114633
G100YR24HR	13C1201B	GEE	12.07	29.53	9.497	165474
G002YR24HR	13C1300B	GEE	12.07	10.78	3.734	60990
G010YR24HR	13C1300B	GEE	12.07	17.20	6.109	99786
G025YR24HR	13C1300B	GEE	12.07	21.70	7.799	127403
G100YR24HR	13C1300B	GEE	12.07	29.61	10.790	176253
G002YR24HR	13C1301B	GEE	12.07	4.69	2.728	25251
G010YR24HR	13C1301B	GEE	12.07	8.41	4.952	45841
G025YR24HR	13C1301B	GEE	12.07	11.05	6.579	60899
G100YR24HR	13C1301B	GEE	12.07	15.69	9.497	87908
G002YR24HR	13C1350B	GEE	14.25	46.90	2.130	1202542
G010YR24HR	13C1350B	GEE	14.17	94.67	4.187	2363644
G025YR24HR	13C1350B	GEE	14.17	130.42	5.736	3237720
G100YR24HR	13C1350B	GEE	14.17	194.83	8.558	4831255
G002YR24HR	13C1370B	GEE	16.77	14.10	1.145	86252
G010YR24HR	13C1370B	GEE	16.77	37.65	2.755	207531
G025YR24HR	13C1370B	GEE	16.77	56.59	4.070	306550
G100YR24HR	13C1370B	GEE	16.77	92.17	6.587	496184
G002YR24HR	13C1400B	GEE	12.07	10.48	2.728	56443
G010YR24HR	13C1400B	GEE	12.07	18.80	4.952	102467
G025YR24HR	13C1400B	GEE	12.07	24.71	6.579	136127
G100YR24HR	13C1400B	GEE	12.07	35.06	9.497	196500
G002YR24HR	13C1700B	GEE	12.07	10.01	2.728	53868
G010YR24HR	13C1700B	GEE	12.07	17.95	4.952	97793
G025YR24HR	13C1700B	GEE	12.07	23.58	6.579	129917
G100YR24HR	13C1700B	GEE	12.07	33.46	9.497	187537
G002YR24HR	13C1800B	GEE	12.07	18.85	2.728	101499
G010YR24HR	13C1800B	GEE	12.07	33.81	4.952	184261
G025YR24HR	13C1800B	GEE	12.07	44.44	6.579	244789
G100YR24HR	13C1800B	GEE	12.07	63.05	9.497	353356
G002YR24HR	13C1801B	GEE	12.50	16.19	1.811	162955
G010YR24HR	13C1801B	GEE	12.50	34.70	3.749	337365
G025YR24HR	13C1801B	GEE	12.50	48.67	5.238	471389
G100YR24HR	13C1801B	GEE	12.50	73.95	7.987	718708
G002YR24HR	13C1802B	GEE	12.92	13.44	1.027	211842
G010YR24HR	13C1802B	GEE	12.83	38.39	2.563	528722
G025YR24HR	13C1802B	GEE	12.83	59.46	3.835	791174
G100YR24HR	13C1802B	GEE	12.83	99.93	6.294	1298318
G002YR24HR	13C1850B	GEE	13.00	28.19	3.219	423051
G010YR24HR	13C1850B	GEE	13.00	47.89	5.535	727272
G025YR24HR	13C1850B	GEE	13.00	61.76	7.200	946160
G100YR24HR	13C1850B	GEE	13.00	86.06	10.162	1335396
G002YR24HR	13C1851B	GEE	12.07	4.54	2.728	24459
G010YR24HR	13C1851B	GEE	12.07	8.15	4.952	44402
G025YR24HR	13C1851B	GEE	12.07	10.71	6.579	58988
G100YR24HR	13C1851B	GEE	12.07	15.19	9.497	85150
G002YR24HR	13C1900B	GEE	12.10	5.55	2.190	29974
G010YR24HR	13C1900B	GEE	12.07	10.85	4.268	58403
G025YR24HR	13C1900B	GEE	12.07	14.73	5.826	79732
G100YR24HR	13C1900B	GEE	12.07	21.64	8.662	118542
G002YR24HR	13C1901B	GEE	14.70	6.15	1.069	116381
G010YR24HR	13C1901B	GEE	14.62	17.14	2.632	286555
G025YR24HR	13C1901B	GEE	14.62	26.35	3.920	426758
G100YR24HR	13C1901B	GEE	14.53	44.04	6.401	696786
G002YR24HR	13C2200B	GEE	12.50	18.58	1.864	181477
G010YR24HR	13C2200B	GEE	12.50	39.18	3.825	372358
G025YR24HR	13C2200B	GEE	12.42	54.82	5.326	518512
G100YR24HR	13C2200B	GEE	12.42	83.13	8.090	787637
G002YR24HR	13C2220B	GEE	12.10	9.79	1.264	57981
G010YR24HR	13C2220B	GEE	12.10	24.69	2.942	134995
G025YR24HR	13C2220B	GEE	12.10	36.50	4.295	197055
G100YR24HR	13C2220B	GEE	12.07	58.52	6.864	314947
G002YR24HR	13C2240B	GEE	12.13	4.59	0.803	33045

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13C2240B	GEE	12.10	15.63	2.186	89898
G025YR24HR	13C2240B	GEE	12.10	25.06	3.369	138546
G100YR24HR	13C2240B	GEE	12.10	43.38	5.701	234475
G002YR24HR	13C2260B	GEE	12.10	15.78	1.362	91604
G010YR24HR	13C2260B	GEE	12.10	38.25	3.093	208075
G025YR24HR	13C2260B	GEE	12.10	55.84	4.475	301004
G100YR24HR	13C2260B	GEE	12.07	88.51	7.083	476453
G002YR24HR	13C2280B	GEE	12.27	74.72	1.544	592122
G010YR24HR	13C2280B	GEE	12.27	172.15	3.366	1291015
G025YR24HR	13C2280B	GEE	12.27	247.35	4.796	1839458
G100YR24HR	13C2280B	GEE	12.20	385.36	7.469	2864424
G002YR24HR	13C2400B	GEE	12.07	41.97	3.203	228678
G010YR24HR	13C2400B	GEE	12.07	70.67	5.516	393887
G025YR24HR	13C2400B	GEE	12.07	90.79	7.182	512817
G100YR24HR	13C2400B	GEE	12.07	125.98	10.145	724357
G002YR24HR	13C2401B	GEE	12.10	15.04	1.269	89021
G010YR24HR	13C2401B	GEE	12.10	37.86	2.951	206956
G025YR24HR	13C2401B	GEE	12.10	55.93	4.305	301935
G100YR24HR	13C2401B	GEE	12.07	89.61	6.877	482295
G002YR24HR	13C2402B	GEE	12.22	31.24	1.981	216582
G010YR24HR	13C2402B	GEE	12.17	64.43	3.986	435809
G025YR24HR	13C2402B	GEE	12.17	89.15	5.509	602368
G100YR24HR	13C2402B	GEE	12.17	133.48	8.302	907659
G002YR24HR	13D0170B	GEE	12.13	19.35	2.877	117695
G010YR24HR	13D0170B	GEE	12.13	33.98	5.133	209997
G025YR24HR	13D0170B	GEE	12.13	44.32	6.774	277126
G100YR24HR	13D0170B	GEE	12.13	62.43	9.708	397169
G002YR24HR	13D0310B	GEE	12.07	2.02	2.748	10873
G010YR24HR	13D0310B	GEE	12.07	3.61	4.977	19691
G025YR24HR	13D0310B	GEE	12.07	4.74	6.606	26136
G100YR24HR	13D0310B	GEE	12.07	6.72	9.526	37690
G002YR24HR	13D0330B	GEE	12.24	49.20	2.716	358671
G010YR24HR	13D0330B	GEE	12.24	88.56	4.937	652004
G025YR24HR	13D0330B	GEE	12.24	116.56	6.562	866627
G100YR24HR	13D0330B	GEE	12.18	165.83	9.478	1251680
G002YR24HR	13D0610B	GEE	12.18	26.85	2.728	188639
G010YR24HR	13D0610B	GEE	12.18	48.44	4.952	342456
G025YR24HR	13D0610B	GEE	12.18	63.80	6.579	454950
G100YR24HR	13D0610B	GEE	12.18	90.76	9.497	656725
G002YR24HR	13D0630B	GEE	12.07	6.84	2.728	36837
G010YR24HR	13D0630B	GEE	12.07	12.27	4.952	66873
G025YR24HR	13D0630B	GEE	12.07	16.13	6.579	88841
G100YR24HR	13D0630B	GEE	12.07	22.88	9.497	128242
G002YR24HR	13D0750B	GEE	12.07	8.94	2.728	48125
G010YR24HR	13D0750B	GEE	12.07	16.03	4.952	87367
G025YR24HR	13D0750B	GEE	12.07	21.07	6.579	116066
G100YR24HR	13D0750B	GEE	12.07	29.90	9.497	167542
G002YR24HR	13D0751B	GEE	12.16	38.21	2.851	253024
G010YR24HR	13D0751B	GEE	12.16	67.56	5.102	452800
G025YR24HR	13D0751B	GEE	12.16	88.34	6.740	598227
G100YR24HR	13D0751B	GEE	12.16	124.72	9.672	858417
G002YR24HR	13D0801B	GEE	12.42	34.18	2.522	320023
G010YR24HR	13D0801B	GEE	12.42	63.77	4.696	595735
G025YR24HR	13D0801B	GEE	12.42	85.06	6.299	799124
G100YR24HR	13D0801B	GEE	12.42	122.60	9.188	1165671
G002YR24HR	13D0802B	GEE	12.13	22.07	2.692	137303
G010YR24HR	13D0802B	GEE	12.13	39.87	4.908	250320
G025YR24HR	13D0802B	GEE	12.13	52.55	6.531	333091
G100YR24HR	13D0802B	GEE	12.13	74.78	9.444	481669
G002YR24HR	13F0400B	GEE	12.50	90.08	3.422	946914
G010YR24HR	13F0400B	GEE	12.50	148.93	5.766	1595214
G025YR24HR	13F0400B	GEE	12.50	190.21	7.443	2059372
G100YR24HR	13F0400B	GEE	12.50	262.43	10.419	2882690
G002YR24HR	13F0401B	GEE	13.50	9.34	2.991	178277
G010YR24HR	13F0401B	GEE	13.42	16.40	5.268	314003
G025YR24HR	13F0401B	GEE	13.42	21.42	6.918	412324
G100YR24HR	13F0401B	GEE	13.42	30.25	9.861	587780

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13F0410B	GEE	12.10	14.37	2.214	77632
G010YR24HR	13F0410B	GEE	12.07	27.99	4.299	150743
G025YR24HR	13F0410B	GEE	12.07	37.96	5.861	205523
G100YR24HR	13F0410B	GEE	12.07	55.64	8.701	305123
G002YR24HR	13F0420B	GEE	12.10	14.68	2.406	79054
G010YR24HR	13F0420B	GEE	12.07	27.67	4.549	149448
G025YR24HR	13F0420B	GEE	12.07	37.05	6.139	201666
G100YR24HR	13F0420B	GEE	12.07	53.60	9.012	296067
G002YR24HR	13F0430B	GEE	12.16	57.72	3.464	390286
G010YR24HR	13F0430B	GEE	12.16	94.62	5.813	654925
G025YR24HR	13F0430B	GEE	12.16	120.47	7.493	844233
G100YR24HR	13F0430B	GEE	12.16	165.71	10.472	1179879
G002YR24HR	13F0440B	GEE	12.07	1.93	4.343	11982
G010YR24HR	13F0440B	GEE	12.07	2.99	6.744	18606
G025YR24HR	13F0440B	GEE	12.07	3.74	8.445	23297
G100YR24HR	13F0440B	GEE	12.07	5.06	11.446	31577
G002YR24HR	13F0450B	GEE	12.75	10.83	2.776	137033
G010YR24HR	13F0450B	GEE	12.75	19.50	5.010	247330
G025YR24HR	13F0450B	GEE	12.75	25.69	6.641	327840
G100YR24HR	13F0450B	GEE	12.75	36.56	9.563	472100
G002YR24HR	13F0750B	GEE	12.10	4.29	1.284	25310
G010YR24HR	13F0750B	GEE	12.10	10.73	2.974	58616
G025YR24HR	13F0750B	GEE	12.10	15.82	4.333	85398
G100YR24HR	13F0750B	GEE	12.07	25.31	6.910	136208
G002YR24HR	13F0760B	GEE	12.10	3.50	1.088	21806
G010YR24HR	13F0760B	GEE	12.10	9.64	2.664	53377
G025YR24HR	13F0760B	GEE	12.10	14.61	3.959	79328
G100YR24HR	13F0760B	GEE	12.10	24.01	6.450	129237
G002YR24HR	13F0770B	GEE	12.75	3.55	0.942	49314
G010YR24HR	13F0770B	GEE	12.67	10.66	2.422	126776
G025YR24HR	13F0770B	GEE	12.67	16.73	3.662	191666
G100YR24HR	13F0770B	GEE	12.67	28.43	6.074	317950
G002YR24HR	13F1000B	GEE	12.37	20.41	1.355	180376
G010YR24HR	13F1000B	GEE	12.37	49.83	3.082	410369
G025YR24HR	13F1000B	GEE	12.29	73.37	4.461	593990
G100YR24HR	13F1000B	GEE	12.29	117.24	7.066	940804
G002YR24HR	13F1001B	GEE	12.33	8.46	1.380	69790
G010YR24HR	13F1001B	GEE	12.26	20.51	3.121	157819
G025YR24HR	13F1001B	GEE	12.26	30.07	4.508	227927
G100YR24HR	13F1001B	GEE	12.26	47.79	7.122	360144
G002YR24HR	13F1110B	GEE	12.37	0.38	0.315	5084
G010YR24HR	13F1110B	GEE	12.13	2.80	1.247	20091
G025YR24HR	13F1110B	GEE	12.10	5.59	2.146	34589
G100YR24HR	13F1110B	GEE	12.10	11.58	4.053	65324
G002YR24HR	13F1120B	GEE	12.30	1.02	0.645	8407
G010YR24HR	13F1120B	GEE	12.10	4.15	1.902	24788
G025YR24HR	13F1120B	GEE	12.10	6.96	3.009	39215
G100YR24HR	13F1120B	GEE	12.10	12.53	5.231	68175
G002YR24HR	13F1130B	GEE	12.58	3.03	0.726	39396
G010YR24HR	13F1130B	GEE	12.50	10.71	2.049	111131
G025YR24HR	13F1130B	GEE	12.50	17.60	3.196	173325
G100YR24HR	13F1130B	GEE	12.50	31.20	5.476	296969
G002YR24HR	13F1150B	GEE	12.50	6.15	1.254	60849
G010YR24HR	13F1150B	GEE	12.42	15.77	2.925	141983
G025YR24HR	13F1150B	GEE	12.42	23.45	4.274	207420
G100YR24HR	13F1150B	GEE	12.33	37.82	6.836	331794
G002YR24HR	13F1154B	GEE	12.92	0.93	0.413	18393
G010YR24HR	13F1154B	GEE	12.67	4.97	1.453	64681
G025YR24HR	13F1154B	GEE	12.67	9.14	2.424	107870
G100YR24HR	13F1154B	GEE	12.58	18.07	4.441	197620
G002YR24HR	13F1158B	GEE	12.42	1.32	0.539	15079
G010YR24HR	13F1158B	GEE	12.30	5.79	1.704	47619
G025YR24HR	13F1158B	GEE	12.24	10.06	2.753	76951
G100YR24HR	13F1158B	GEE	12.24	18.87	4.890	136672
G002YR24HR	13F1170B	GEE	12.23	5.08	0.939	39542
G010YR24HR	13F1170B	GEE	12.18	15.37	2.418	101809

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13F1170B	GEE	12.13	24.02	3.657	154002
G100YR24HR	13F1170B	GEE	12.13	40.83	6.070	255610
G002YR24HR	13F1300B	GEE	12.07	11.97	2.887	64560
G010YR24HR	13F1300B	GEE	12.07	20.98	5.145	115057
G025YR24HR	13F1300B	GEE	12.07	27.35	6.787	151769
G100YR24HR	13F1300B	GEE	12.07	38.48	9.723	217406
G002YR24HR	13F1301B	GEE	12.10	2.27	1.137	13952
G010YR24HR	13F1301B	GEE	12.10	6.10	2.743	33650
G025YR24HR	13F1301B	GEE	12.10	9.18	4.054	49746
G100YR24HR	13F1301B	GEE	12.10	14.97	6.568	80591
G002YR24HR	13F1320B	GEE	12.07	5.21	2.728	28023
G010YR24HR	13F1320B	GEE	12.07	9.34	4.952	50874
G025YR24HR	13F1320B	GEE	12.07	12.27	6.579	67586
G100YR24HR	13F1320B	GEE	12.07	17.41	9.497	97561
G002YR24HR	13F1324B	GEE	12.67	15.17	1.765	170776
G010YR24HR	13F1324B	GEE	12.58	33.03	3.684	356544
G025YR24HR	13F1324B	GEE	12.58	46.62	5.164	499782
G100YR24HR	13F1324B	GEE	12.58	71.29	7.901	764642
G002YR24HR	13F1340B	GEE	12.17	12.56	2.495	85127
G010YR24HR	13F1340B	GEE	12.17	23.49	4.662	159071
G025YR24HR	13F1340B	GEE	12.17	31.35	6.263	213692
G100YR24HR	13F1340B	GEE	12.17	45.20	9.150	312204
G002YR24HR	13F1360B	GEE	12.07	7.67	2.728	41293
G010YR24HR	13F1360B	GEE	12.07	13.76	4.952	74963
G025YR24HR	13F1360B	GEE	12.07	18.08	6.579	99587
G100YR24HR	13F1360B	GEE	12.07	25.65	9.497	143756
G002YR24HR	13F1374B	GEE	12.16	11.06	1.875	73990
G010YR24HR	13F1374B	GEE	12.16	23.30	3.840	151512
G025YR24HR	13F1374B	GEE	12.16	32.47	5.343	210821
G100YR24HR	13F1374B	GEE	12.16	48.97	8.109	319980
G002YR24HR	13F1378B	GEE	12.40	6.14	0.862	59370
G010YR24HR	13F1378B	GEE	12.33	19.39	2.287	157497
G025YR24HR	13F1378B	GEE	12.26	30.76	3.495	240682
G100YR24HR	13F1378B	GEE	12.26	53.10	5.863	403766
G002YR24HR	13F1380B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13F1380B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13F1380B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13F1380B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13F1400B	GEE	12.24	11.95	2.724	87119
G010YR24HR	13F1400B	GEE	12.24	21.48	4.947	158213
G025YR24HR	13F1400B	GEE	12.24	28.26	6.573	210214
G100YR24HR	13F1400B	GEE	12.18	40.19	9.490	303492
G002YR24HR	13F1404B	GEE	12.07	8.04	2.793	43287
G010YR24HR	13F1404B	GEE	12.07	14.28	5.031	77986
G025YR24HR	13F1404B	GEE	12.07	18.70	6.664	103300
G100YR24HR	13F1404B	GEE	12.07	26.44	9.590	148643
G002YR24HR	13F1420B	GEE	12.07	3.83	2.652	20603
G010YR24HR	13F1420B	GEE	12.07	6.94	4.859	37746
G025YR24HR	13F1420B	GEE	12.07	9.16	6.478	50322
G100YR24HR	13F1420B	GEE	12.07	13.06	9.387	72916
G002YR24HR	13F1440B	GEE	12.07	7.39	3.008	39966
G010YR24HR	13F1440B	GEE	12.07	12.74	5.290	70276
G025YR24HR	13F1440B	GEE	12.07	16.51	6.941	92221
G100YR24HR	13F1440B	GEE	12.07	23.10	9.888	131374
G002YR24HR	13F1500B	GEE	12.10	10.16	1.446	58144
G010YR24HR	13F1500B	GEE	12.10	23.89	3.220	129515
G025YR24HR	13F1500B	GEE	12.10	34.54	4.625	186012
G100YR24HR	13F1500B	GEE	12.07	54.24	7.264	292159
G002YR24HR	13G0400B	GEE	12.07	3.58	3.108	19408
G010YR24HR	13G0400B	GEE	12.07	6.09	5.407	33761
G025YR24HR	13G0400B	GEE	12.07	7.86	7.067	44121
G100YR24HR	13G0400B	GEE	12.07	10.94	10.022	62573
G002YR24HR	13G0500B	GEE	12.07	4.71	3.071	25525
G010YR24HR	13G0500B	GEE	12.07	8.06	5.363	44581
G025YR24HR	13G0500B	GEE	12.07	10.41	7.020	58352
G100YR24HR	13G0500B	GEE	12.07	14.53	9.972	82894

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13G0501B	GEE	12.50	17.73	3.018	177925
G010YR24HR	13G0501B	GEE	12.50	30.74	5.299	312405
G025YR24HR	13G0501B	GEE	12.50	39.91	6.950	409733
G100YR24HR	13G0501B	GEE	12.50	55.98	9.895	583332
G002YR24HR	13G0600B	GEE	12.07	8.99	2.885	48493
G010YR24HR	13G0600B	GEE	12.07	15.76	5.143	86442
G025YR24HR	13G0600B	GEE	12.07	20.55	6.785	114032
G100YR24HR	13G0600B	GEE	12.07	28.92	9.720	163364
G002YR24HR	13G1200B	GEE	12.07	88.23	3.652	495275
G010YR24HR	13G1200B	GEE	12.07	141.75	6.020	816422
G025YR24HR	13G1200B	GEE	12.07	179.27	7.708	1045333
G100YR24HR	13G1200B	GEE	12.07	245.06	10.695	1450488
G002YR24HR	13G1201B	GEE	12.22	5.08	1.555	36635
G010YR24HR	13G1201B	GEE	12.17	11.63	3.383	79691
G025YR24HR	13G1201B	GEE	12.17	16.74	4.815	113446
G100YR24HR	13G1201B	GEE	12.17	26.12	7.492	176494
G002YR24HR	13G1202B	GEE	12.07	44.91	2.752	241811
G010YR24HR	13G1202B	GEE	12.07	80.27	4.981	437758
G025YR24HR	13G1202B	GEE	12.07	105.35	6.610	580930
G100YR24HR	13G1202B	GEE	12.07	149.29	9.531	837603
G002YR24HR	13G2200B	GEE	12.24	8.62	3.035	63125
G010YR24HR	13G2200B	GEE	12.24	14.84	5.321	110667
G025YR24HR	13G2200B	GEE	12.18	19.24	6.974	145059
G100YR24HR	13G2200B	GEE	12.18	26.96	9.923	206389
G002YR24HR	13G2201B	GEE	12.24	17.21	1.821	129842
G010YR24HR	13G2201B	GEE	12.24	36.72	3.765	268384
G025YR24HR	13G2201B	GEE	12.24	51.41	5.257	374778
G100YR24HR	13G2201B	GEE	12.24	77.91	8.010	571036
G002YR24HR	13H0100B	GEE	12.10	54.31	1.759	299893
G010YR24HR	13H0100B	GEE	12.10	116.39	3.677	626871
G025YR24HR	13H0100B	GEE	12.07	163.33	5.157	879113
G100YR24HR	13H0100B	GEE	12.07	248.64	7.894	1345665
G002YR24HR	13H0101B	GEE	12.16	19.76	2.533	128350
G010YR24HR	13H0101B	GEE	12.16	36.58	4.709	238648
G025YR24HR	13H0101B	GEE	12.16	48.65	6.314	319980
G100YR24HR	13H0101B	GEE	12.16	69.88	9.206	466521
G002YR24HR	13H0150B	GEE	12.10	19.07	2.308	102795
G010YR24HR	13H0150B	GEE	12.07	36.53	4.422	196956
G025YR24HR	13H0150B	GEE	12.07	49.23	5.998	267154
G100YR24HR	13H0150B	GEE	12.07	71.68	8.855	394417
G002YR24HR	13H0200B	GEE	12.10	44.50	2.071	241381
G010YR24HR	13H0200B	GEE	12.07	88.97	4.108	478843
G025YR24HR	13H0200B	GEE	12.07	121.93	5.647	658248
G100YR24HR	13H0200B	GEE	12.07	180.68	8.459	986007
G002YR24HR	13H0220B	GEE	12.07	5.33	3.617	29803
G010YR24HR	13H0220B	GEE	12.07	8.58	5.982	49290
G025YR24HR	13H0220B	GEE	12.07	10.87	7.668	63188
G100YR24HR	13H0220B	GEE	12.07	14.87	10.654	87793
G002YR24HR	13H0240B	GEE	12.07	16.28	3.609	91061
G010YR24HR	13H0240B	GEE	12.07	26.26	5.974	150703
G025YR24HR	13H0240B	GEE	12.07	33.25	7.660	193247
G100YR24HR	13H0240B	GEE	12.07	45.51	10.646	268573
G002YR24HR	13H0300B	GEE	12.07	49.80	3.396	274187
G010YR24HR	13H0300B	GEE	12.07	82.05	5.737	463146
G025YR24HR	13H0300B	GEE	12.07	104.63	7.414	598515
G100YR24HR	13H0300B	GEE	12.07	144.13	10.389	838706
G002YR24HR	13H0320B	GEE	12.07	7.61	3.624	42626
G010YR24HR	13H0320B	GEE	12.07	12.26	5.990	70447
G025YR24HR	13H0320B	GEE	12.07	15.52	7.677	90287
G100YR24HR	13H0320B	GEE	12.07	21.23	10.663	125411
G002YR24HR	13H0340B	GEE	12.07	6.21	3.808	35385
G010YR24HR	13H0340B	GEE	12.07	9.84	6.188	57507
G025YR24HR	13H0340B	GEE	12.07	12.40	7.881	73238
G100YR24HR	13H0340B	GEE	12.07	16.88	10.874	101051
G002YR24HR	13H0350B	GEE	12.10	15.85	2.140	85770
G010YR24HR	13H0350B	GEE	12.07	31.27	4.201	168361
G025YR24HR	13H0350B	GEE	12.07	42.64	5.752	230503

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13H0350B	GEE	12.07	62.85	8.578	343762
G002YR24HR	13I0300B	GEE	12.33	21.92	3.533	190332
G010YR24HR	13I0300B	GEE	12.33	35.72	5.888	317164
G025YR24HR	13I0300B	GEE	12.33	45.39	7.569	407757
G100YR24HR	13I0300B	GEE	12.33	62.33	10.549	568264
G002YR24HR	13I0600B	GEE	12.07	205.88	2.948	1112110
G010YR24HR	13I0600B	GEE	12.07	358.00	5.218	1968555
G025YR24HR	13I0600B	GEE	12.07	465.23	6.865	2589894
G100YR24HR	13I0600B	GEE	12.07	652.76	9.806	3699560
G002YR24HR	13I0610B	GEE	12.10	6.56	1.884	35913
G010YR24HR	13I0610B	GEE	12.10	13.64	3.853	73430
G025YR24HR	13I0610B	GEE	12.07	18.96	5.358	102116
G100YR24HR	13I0610B	GEE	12.07	28.54	8.128	154894
G002YR24HR	13I0620B	GEE	12.50	8.39	0.980	89725
G010YR24HR	13I0620B	GEE	12.42	24.55	2.485	227563
G025YR24HR	13I0620B	GEE	12.42	38.15	3.739	342437
G100YR24HR	13I0620B	GEE	12.42	64.20	6.172	565269
G002YR24HR	13I0630B	GEE	12.75	49.26	3.053	606983
G010YR24HR	13I0630B	GEE	12.75	85.14	5.340	1061677
G025YR24HR	13I0630B	GEE	12.75	110.47	6.993	1390390
G100YR24HR	13I0630B	GEE	12.75	154.85	9.941	1976358
G002YR24HR	13I0631B	GEE	13.04	27.10	2.439	208725
G010YR24HR	13I0631B	GEE	12.97	51.16	4.590	392861
G025YR24HR	13I0631B	GEE	12.97	68.59	6.183	529235
G100YR24HR	13I0631B	GEE	12.97	99.38	9.061	775553
G002YR24HR	13I0640B	GEE	12.39	17.63	1.221	157817
G010YR24HR	13I0640B	GEE	12.32	45.58	2.875	371573
G025YR24HR	13I0640B	GEE	12.32	68.12	4.214	544596
G100YR24HR	13I0640B	GEE	12.32	110.39	6.765	874190
G002YR24HR	13I0660B	GEE	12.07	35.31	2.642	190052
G010YR24HR	13I0660B	GEE	12.07	64.16	4.846	348638
G025YR24HR	13I0660B	GEE	12.07	84.72	6.464	465027
G100YR24HR	13I0660B	GEE	12.07	120.80	9.371	674191
G002YR24HR	13I0900B	GEE	12.10	8.06	1.268	47688
G010YR24HR	13I0900B	GEE	12.10	20.29	2.949	110902
G025YR24HR	13I0900B	GEE	12.10	29.97	4.303	161818
G100YR24HR	13I0900B	GEE	12.07	48.03	6.874	258513
G002YR24HR	13I1000B	GEE	12.10	18.42	2.076	99908
G010YR24HR	13I1000B	GEE	12.07	36.80	4.115	198049
G025YR24HR	13I1000B	GEE	12.07	50.41	5.655	272174
G100YR24HR	13I1000B	GEE	12.07	74.67	8.467	407572
G002YR24HR	13I1200B	GEE	12.33	85.19	2.485	715523
G010YR24HR	13I1200B	GEE	12.33	159.56	4.649	1338687
G025YR24HR	13I1200B	GEE	12.33	213.11	6.249	1799212
G100YR24HR	13I1200B	GEE	12.33	307.57	9.134	2630002
G002YR24HR	13I1201B	GEE	12.50	53.90	2.618	516682
G010YR24HR	13I1201B	GEE	12.42	98.96	4.816	950416
G025YR24HR	13I1201B	GEE	12.42	131.36	6.430	1269041
G100YR24HR	13I1201B	GEE	12.42	188.41	9.333	1841942
G002YR24HR	13I1220B	GEE	12.42	17.56	2.472	158086
G010YR24HR	13I1220B	GEE	12.42	32.90	4.630	296131
G025YR24HR	13I1220B	GEE	12.42	43.95	6.226	398193
G100YR24HR	13I1220B	GEE	12.33	63.54	9.105	582360
G002YR24HR	13I1300B	GEE	12.10	11.29	2.066	61276
G010YR24HR	13I1300B	GEE	12.07	22.60	4.102	121646
G025YR24HR	13I1300B	GEE	12.07	30.99	5.640	167270
G100YR24HR	13I1300B	GEE	12.07	45.93	8.451	250634
G002YR24HR	13I1500B	GEE	12.58	6.80	3.190	75510
G010YR24HR	13I1500B	GEE	12.58	11.55	5.500	130171
G025YR24HR	13I1500B	GEE	12.58	14.90	7.163	169529
G100YR24HR	13I1500B	GEE	12.58	20.75	10.121	239544
G002YR24HR	13I1501B	GEE	12.42	104.09	2.783	923917
G010YR24HR	13I1501B	GEE	12.33	186.35	5.016	1665607
G025YR24HR	13I1501B	GEE	12.33	245.05	6.646	2206794
G100YR24HR	13I1501B	GEE	12.33	348.03	9.566	3176292
G002YR24HR	13I1502B	GEE	12.07	1.05	3.301	5753

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13I1502B	GEE	12.07	1.75	5.630	9809
G025YR24HR	13I1502B	GEE	12.07	2.24	7.301	12722
G100YR24HR	13I1502B	GEE	12.07	3.09	10.271	17896
G002YR24HR	13I1504B	GEE	12.07	2.19	3.301	11984
G010YR24HR	13I1504B	GEE	12.07	3.64	5.630	20436
G025YR24HR	13I1504B	GEE	12.07	4.66	7.301	26504
G100YR24HR	13I1504B	GEE	12.07	6.45	10.271	37283
G002YR24HR	13I1510B	GEE	12.67	17.61	2.394	196503
G010YR24HR	13I1510B	GEE	12.58	33.60	4.532	371931
G025YR24HR	13I1510B	GEE	12.58	45.25	6.118	502123
G100YR24HR	13I1510B	GEE	12.58	65.87	8.986	737545
G002YR24HR	13I1512B	GEE	12.67	2.41	2.394	26855
G010YR24HR	13I1512B	GEE	12.58	4.59	4.532	50830
G025YR24HR	13I1512B	GEE	12.58	6.18	6.118	68623
G100YR24HR	13I1512B	GEE	12.58	9.00	8.986	100797
G002YR24HR	13I1514B	GEE	12.33	93.75	3.063	809770
G010YR24HR	13I1514B	GEE	12.33	161.48	5.352	1414892
G025YR24HR	13I1514B	GEE	12.33	209.20	7.006	1852222
G100YR24HR	13I1514B	GEE	12.33	292.69	9.954	2631690
G002YR24HR	13I1540B	GEE	12.10	23.37	2.211	126227
G010YR24HR	13I1540B	GEE	12.07	45.53	4.295	245218
G025YR24HR	13I1540B	GEE	12.07	61.77	5.856	334392
G100YR24HR	13I1540B	GEE	12.07	90.56	8.696	496542
G002YR24HR	13I1560B	GEE	12.07	39.22	2.759	211186
G010YR24HR	13I1560B	GEE	12.07	70.02	4.990	382000
G025YR24HR	13I1560B	GEE	12.07	91.87	6.620	506774
G100YR24HR	13I1560B	GEE	12.07	130.14	9.541	730430
G002YR24HR	13J0300B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13J0300B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13J0300B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13J0300B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13J0320B	GEE	12.07	1.34	2.728	7229
G010YR24HR	13J0320B	GEE	12.07	2.41	4.952	13123
G025YR24HR	13J0320B	GEE	12.07	3.16	6.579	17434
G100YR24HR	13J0320B	GEE	12.07	4.49	9.497	25166
G002YR24HR	13J0340B	GEE	12.07	5.79	2.728	31192
G010YR24HR	13J0340B	GEE	12.07	10.39	4.952	56627
G025YR24HR	13J0340B	GEE	12.07	13.66	6.579	75228
G100YR24HR	13J0340B	GEE	12.07	19.38	9.497	108592
G002YR24HR	13J0341B	GEE	12.13	20.16	2.727	125438
G010YR24HR	13J0341B	GEE	12.13	36.23	4.951	227725
G025YR24HR	13J0341B	GEE	12.13	47.66	6.578	302533
G100YR24HR	13J0341B	GEE	12.13	67.69	9.495	436713
G002YR24HR	13J0401B	GEE	13.08	8.35	1.441	135605
G010YR24HR	13J0401B	GEE	13.00	20.01	3.213	302319
G025YR24HR	13J0401B	GEE	13.00	29.28	4.616	434331
G100YR24HR	13J0401B	GEE	13.00	46.52	7.253	682414
G002YR24HR	13J0402B	GEE	12.85	6.10	1.942	33280
G010YR24HR	13J0402B	GEE	12.85	12.52	3.933	67388
G025YR24HR	13J0402B	GEE	12.82	17.33	5.449	93368
G100YR24HR	13J0402B	GEE	12.82	25.95	8.233	141056
G002YR24HR	13J0600B	GEE	12.07	8.42	2.728	45353
G010YR24HR	13J0600B	GEE	12.07	15.11	4.952	82333
G025YR24HR	13J0600B	GEE	12.07	19.86	6.579	109379
G100YR24HR	13J0600B	GEE	12.07	28.17	9.497	157890
G002YR24HR	13J0640B	GEE	12.07	4.25	2.728	22874
G010YR24HR	13J0640B	GEE	12.07	7.62	4.952	41526
G025YR24HR	13J0640B	GEE	12.07	10.01	6.579	55167
G100YR24HR	13J0640B	GEE	12.07	14.21	9.497	79634
G002YR24HR	13J0800B	GEE	12.07	7.63	2.728	41095
G010YR24HR	13J0800B	GEE	12.07	13.69	4.952	74603
G025YR24HR	13J0800B	GEE	12.07	17.99	6.579	99110
G100YR24HR	13J0800B	GEE	12.07	25.53	9.497	143066
G002YR24HR	13J1000B	GEE	12.75	8.58	1.724	109814
G010YR24HR	13J1000B	GEE	12.75	18.91	3.626	230974
G025YR24HR	13J1000B	GEE	12.75	26.80	5.096	324676
G100YR24HR	13J1000B	GEE	12.75	41.15	7.821	498251

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13J1300B	GEE	12.42	6.29	2.616	58019
G010YR24HR	13J1300B	GEE	12.42	11.55	4.812	106724
G025YR24HR	13J1300B	GEE	12.42	15.31	6.425	142503
G100YR24HR	13J1300B	GEE	12.42	21.93	9.326	206835
G002YR24HR	13J1800B	GEE	12.19	23.94	2.330	166172
G010YR24HR	13J1800B	GEE	12.19	45.99	4.450	317408
G025YR24HR	13J1800B	GEE	12.19	61.99	6.029	430026
G100YR24HR	13J1800B	GEE	12.19	90.30	8.889	634060
G002YR24HR	13J1820B	GEE	12.10	1.41	2.273	7591
G010YR24HR	13J1820B	GEE	12.07	2.71	4.377	14616
G025YR24HR	13J1820B	GEE	12.07	3.66	5.948	19863
G100YR24HR	13J1820B	GEE	12.07	5.35	8.799	29384
G002YR24HR	13J1821B	GEE	12.33	7.39	2.924	61889
G010YR24HR	13J1821B	GEE	12.33	12.94	5.190	109833
G025YR24HR	13J1821B	GEE	12.33	16.87	6.835	144643
G100YR24HR	13J1821B	GEE	12.33	23.75	9.774	206837
G002YR24HR	13J1822B	GEE	12.67	10.40	1.668	117061
G010YR24HR	13J1822B	GEE	12.58	23.24	3.547	248888
G025YR24HR	13J1822B	GEE	12.58	33.08	5.006	351285
G100YR24HR	13J1822B	GEE	12.58	51.05	7.717	541468
G002YR24HR	13J1900B	GEE	12.07	7.95	3.572	44344
G010YR24HR	13J1900B	GEE	12.07	12.87	5.932	73647
G025YR24HR	13J1900B	GEE	12.07	16.32	7.617	94564
G100YR24HR	13J1900B	GEE	12.07	22.36	10.601	131611
G002YR24HR	13J2200B	GEE	12.25	112.02	2.987	873807
G010YR24HR	13J2200B	GEE	12.25	194.87	5.265	1539901
G025YR24HR	13J2200B	GEE	12.25	253.35	6.914	2022501
G100YR24HR	13J2200B	GEE	12.25	355.67	9.859	2883782
G002YR24HR	13J2220B	GEE	12.67	35.49	2.704	405042
G010YR24HR	13J2220B	GEE	12.67	64.35	4.922	737225
G025YR24HR	13J2220B	GEE	12.67	84.96	6.546	980376
G100YR24HR	13J2220B	GEE	12.58	121.29	9.459	1416711
G002YR24HR	13J2221B	GEE	12.07	12.32	3.516	68406
G010YR24HR	13J2221B	GEE	12.07	20.05	5.870	114217
G025YR24HR	13J2221B	GEE	12.07	25.47	7.553	146953
G100YR24HR	13J2221B	GEE	12.07	34.95	10.534	204964
G002YR24HR	13J2222B	GEE	12.07	19.44	3.448	107399
G010YR24HR	13J2222B	GEE	12.07	31.85	5.795	180494
G025YR24HR	13J2222B	GEE	12.07	40.55	7.475	232799
G100YR24HR	13J2222B	GEE	12.07	55.76	10.453	325552
G002YR24HR	13J2231B	GEE	12.07	1.50	3.601	8366
G010YR24HR	13J2231B	GEE	12.07	2.42	5.964	13856
G025YR24HR	13J2231B	GEE	12.07	3.06	7.650	17773
G100YR24HR	13J2231B	GEE	12.07	4.19	10.636	24709
G002YR24HR	13J2232B	GEE	12.50	32.97	3.403	331207
G010YR24HR	13J2232B	GEE	12.50	54.50	5.742	558808
G025YR24HR	13J2232B	GEE	12.50	69.59	7.417	721818
G100YR24HR	13J2232B	GEE	12.50	96.01	10.388	1011011
G002YR24HR	13J2233B	GEE	12.83	18.73	3.163	254206
G010YR24HR	13J2233B	GEE	12.83	32.02	5.470	439611
G025YR24HR	13J2233B	GEE	12.83	41.39	7.132	573221
G100YR24HR	13J2233B	GEE	12.83	57.79	10.091	811005
G002YR24HR	13J2234B	GEE	12.42	12.90	2.467	119261
G010YR24HR	13J2234B	GEE	12.42	24.25	4.624	223579
G025YR24HR	13J2234B	GEE	12.42	32.45	6.220	300727
G100YR24HR	13J2234B	GEE	12.42	46.91	9.099	439959
G002YR24HR	13K0250B	GEE	12.07	7.90	3.763	44804
G010YR24HR	13K0250B	GEE	12.07	12.57	6.140	73109
G025YR24HR	13K0250B	GEE	12.07	15.85	7.832	93250
G100YR24HR	13K0250B	GEE	12.07	21.60	10.823	128867
G002YR24HR	13K0400B	GEE	12.07	10.37	3.759	58805
G010YR24HR	13K0400B	GEE	12.07	16.51	6.136	95994
G025YR24HR	13K0400B	GEE	12.07	20.82	7.827	122457
G100YR24HR	13K0400B	GEE	12.07	28.38	10.818	169257
G002YR24HR	13K0550B	GEE	12.07	10.22	3.612	57160
G010YR24HR	13K0550B	GEE	12.07	16.48	5.976	94579

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13K0550B	GEE	12.07	20.86	7.662	121269
G100YR24HR	13K0550B	GEE	12.07	28.55	10.648	168526
G002YR24HR	13K0751B	GEE	12.07	45.72	2.851	246504
G010YR24HR	13K0751B	GEE	12.07	80.57	5.102	441133
G025YR24HR	13K0751B	GEE	12.07	105.20	6.740	582812
G100YR24HR	13K0751B	GEE	12.07	148.31	9.672	836299
G002YR24HR	13K0752B	GEE	12.07	13.93	3.508	77306
G010YR24HR	13K0752B	GEE	12.07	22.69	5.862	129168
G025YR24HR	13K0752B	GEE	12.07	28.83	7.544	166233
G100YR24HR	13K0752B	GEE	12.07	39.57	10.526	231920
G002YR24HR	13K0900B	GEE	12.07	16.25	3.338	89177
G010YR24HR	13K0900B	GEE	12.07	26.95	5.671	151509
G025YR24HR	13K0900B	GEE	12.07	34.44	7.345	196224
G100YR24HR	13K0900B	GEE	12.07	47.54	10.316	275619
G002YR24HR	13K1150B	GEE	12.07	17.48	2.746	94100
G010YR24HR	13K1150B	GEE	12.07	31.26	4.975	170463
G025YR24HR	13K1150B	GEE	12.07	41.04	6.603	226270
G100YR24HR	13K1150B	GEE	12.07	58.18	9.523	326330
G002YR24HR	13K1300B	GEE	12.20	18.89	2.594	135295
G010YR24HR	13K1300B	GEE	12.20	34.78	4.785	249626
G025YR24HR	13K1300B	GEE	12.20	46.16	6.397	333704
G100YR24HR	13K1300B	GEE	12.20	66.17	9.297	484966
G002YR24HR	13K1500B	GEE	12.07	9.62	2.728	51789
G010YR24HR	13K1500B	GEE	12.07	17.25	4.952	94018
G025YR24HR	13K1500B	GEE	12.07	22.67	6.579	124902
G100YR24HR	13K1500B	GEE	12.07	32.17	9.497	180298
G002YR24HR	13K1600B	GEE	12.10	14.42	2.160	77999
G010YR24HR	13K1600B	GEE	12.07	28.36	4.227	152667
G025YR24HR	13K1600B	GEE	12.07	38.61	5.781	208786
G100YR24HR	13K1600B	GEE	12.07	56.82	8.611	311000
G002YR24HR	13K1650B	GEE	12.07	13.20	3.300	72244
G010YR24HR	13K1650B	GEE	12.07	21.97	5.628	123201
G025YR24HR	13K1650B	GEE	12.07	28.11	7.300	159790
G100YR24HR	13K1650B	GEE	12.07	38.86	10.269	224786
G002YR24HR	13K1900B	GEE	12.42	31.27	1.468	283451
G010YR24HR	13K1900B	GEE	12.33	73.66	3.253	628246
G025YR24HR	13K1900B	GEE	12.33	107.04	4.664	900627
G100YR24HR	13K1900B	GEE	12.33	168.63	7.310	1411750
G002YR24HR	13K2200B	GEE	12.07	96.39	2.769	519135
G010YR24HR	13K2200B	GEE	12.07	171.86	5.002	937889
G025YR24HR	13K2200B	GEE	12.07	225.35	6.633	1243654
G100YR24HR	13K2200B	GEE	12.07	319.05	9.556	1791616
G002YR24HR	13K2240B	GEE	12.07	23.68	3.661	133011
G010YR24HR	13K2240B	GEE	12.07	38.01	6.029	219085
G025YR24HR	13K2240B	GEE	12.07	48.06	7.718	280430
G100YR24HR	13K2240B	GEE	12.07	65.68	10.705	388996
G002YR24HR	13K2280B	GEE	12.37	11.26	0.939	101753
G010YR24HR	13K2280B	GEE	12.31	33.74	2.417	262002
G025YR24HR	13K2280B	GEE	12.24	52.85	3.656	396328
G100YR24HR	13K2280B	GEE	12.24	89.75	6.069	657837
G002YR24HR	13K3050B	GEE	12.07	34.96	2.724	188190
G010YR24HR	13K3050B	GEE	12.07	62.73	4.948	341790
G025YR24HR	13K3050B	GEE	12.07	82.45	6.574	454140
G100YR24HR	13K3050B	GEE	12.07	117.02	9.492	655673
G002YR24HR	13K3200B	GEE	12.42	34.17	3.767	323812
G010YR24HR	13K3200B	GEE	12.33	54.52	6.141	527911
G025YR24HR	13K3200B	GEE	12.33	68.82	7.831	673121
G100YR24HR	13K3200B	GEE	12.33	93.92	10.818	929901
G002YR24HR	13K4050B	GEE	12.10	35.09	2.073	190331
G010YR24HR	13K4050B	GEE	12.07	70.13	4.111	377433
G025YR24HR	13K4050B	GEE	12.07	96.09	5.651	518770
G100YR24HR	13K4050B	GEE	12.07	142.36	8.463	776960
G002YR24HR	13K4200B	GEE	12.13	19.98	1.635	127791
G010YR24HR	13K4200B	GEE	12.13	44.77	3.499	273499
G025YR24HR	13K4200B	GEE	12.13	63.71	4.952	386982
G100YR24HR	13K4200B	GEE	12.13	98.21	7.653	598095

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13K4400B	GEE	12.07	24.63	3.563	137225
G010YR24HR	13K4400B	GEE	12.07	39.90	5.922	228099
G025YR24HR	13K4400B	GEE	12.07	50.60	7.607	292976
G100YR24HR	13K4400B	GEE	12.07	69.33	10.591	407892
G002YR24HR	13L0020B	GEE	12.07	11.74	2.752	63225
G010YR24HR	13L0020B	GEE	12.07	20.99	4.981	114457
G025YR24HR	13L0020B	GEE	12.07	27.54	6.610	151891
G100YR24HR	13L0020B	GEE	12.07	39.03	9.531	219001
G002YR24HR	13L0040B	GEE	12.20	75.92	3.257	568120
G010YR24HR	13L0040B	GEE	12.20	127.68	5.579	973104
G025YR24HR	13L0040B	GEE	12.20	164.01	7.248	1264218
G100YR24HR	13L0040B	GEE	12.20	227.52	10.215	1781638
G002YR24HR	13L0060B	GEE	12.07	8.00	3.449	44199
G010YR24HR	13L0060B	GEE	12.07	13.11	5.796	74274
G025YR24HR	13L0060B	GEE	12.07	16.68	7.476	95794
G100YR24HR	13L0060B	GEE	12.07	22.94	10.454	133955
G002YR24HR	13L0080B	GEE	12.07	27.06	3.826	154594
G010YR24HR	13L0080B	GEE	12.07	42.85	6.208	250825
G025YR24HR	13L0080B	GEE	12.07	53.95	7.902	319241
G100YR24HR	13L0080B	GEE	12.07	73.45	10.895	440181
G002YR24HR	13L0200B	GEE	12.19	42.33	2.738	291898
G010YR24HR	13L0200B	GEE	12.19	76.05	4.964	529246
G025YR24HR	13L0200B	GEE	12.19	100.02	6.592	702756
G100YR24HR	13L0200B	GEE	12.19	142.06	9.510	1013904
G002YR24HR	13L0400B	GEE	12.07	9.00	3.236	49108
G010YR24HR	13L0400B	GEE	12.07	15.09	5.555	84292
G025YR24HR	13L0400B	GEE	12.07	19.36	7.223	109598
G100YR24HR	13L0400B	GEE	12.07	26.83	10.188	154588
G002YR24HR	13L0800B	GEE	12.42	96.62	2.842	878312
G010YR24HR	13L0800B	GEE	12.42	171.21	5.088	1572621
G025YR24HR	13L0800B	GEE	12.42	224.10	6.724	2078126
G100YR24HR	13L0800B	GEE	12.42	316.81	9.651	2982635
G002YR24HR	13L0820B	GEE	12.25	35.46	3.093	277103
G010YR24HR	13L0820B	GEE	12.25	60.83	5.389	482785
G025YR24HR	13L0820B	GEE	12.25	78.69	7.047	631313
G100YR24HR	13L0820B	GEE	12.25	109.92	10.000	895927
G002YR24HR	13L1000B	GEE	12.07	253.75	3.573	1414834
G010YR24HR	13L1000B	GEE	12.07	410.62	5.934	2349431
G025YR24HR	13L1000B	GEE	12.07	520.53	7.619	3016533
G100YR24HR	13L1000B	GEE	12.07	713.09	10.603	4198046
G002YR24HR	13L1001B	GEE	12.83	12.19	2.566	156268
G010YR24HR	13L1001B	GEE	12.75	22.64	4.750	289322
G025YR24HR	13L1001B	GEE	12.75	30.19	6.358	387287
G100YR24HR	13L1001B	GEE	12.75	43.52	9.254	563650
G002YR24HR	13L1020B	GEE	12.33	34.31	3.122	301006
G010YR24HR	13L1020B	GEE	12.33	58.70	5.421	522636
G025YR24HR	13L1020B	GEE	12.33	75.86	7.079	682527
G100YR24HR	13L1020B	GEE	12.33	105.88	10.032	967244
G002YR24HR	13L1200B	GEE	12.07	160.78	3.371	883837
G010YR24HR	13L1200B	GEE	12.07	265.59	5.709	1496616
G025YR24HR	13L1200B	GEE	12.07	339.00	7.384	1935861
G100YR24HR	13L1200B	GEE	12.07	467.40	10.358	2715453
G002YR24HR	13L1201B	GEE	12.75	5.23	1.659	65984
G010YR24HR	13L1201B	GEE	12.75	11.70	3.533	140549
G025YR24HR	13L1201B	GEE	12.75	16.66	4.990	198512
G100YR24HR	13L1201B	GEE	12.67	25.81	7.697	306215
G002YR24HR	13L1202B	GEE	12.32	11.58	1.961	96801
G010YR24HR	13L1202B	GEE	12.32	23.98	3.958	195422
G025YR24HR	13L1202B	GEE	12.32	33.21	5.478	270446
G100YR24HR	13L1202B	GEE	12.32	49.77	8.266	408066
G002YR24HR	13L1203B	GEE	12.32	1.86	2.989	15191
G010YR24HR	13L1203B	GEE	12.32	3.23	5.267	26767
G025YR24HR	13L1203B	GEE	12.32	4.20	6.917	35154
G100YR24HR	13L1203B	GEE	12.24	5.89	9.862	50121
G002YR24HR	13L1700B	GEE	12.07	94.26	3.201	513539
G010YR24HR	13L1700B	GEE	12.07	158.74	5.514	884729
G025YR24HR	13L1700B	GEE	12.07	203.98	7.180	1151953

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13L1700B	GEE	12.07	283.04	10.142	1627277
G002YR24HR	13L1825B	GEE	12.07	0.85	3.202	4649
G010YR24HR	13L1825B	GEE	12.07	1.44	5.515	8008
G025YR24HR	13L1825B	GEE	12.07	1.85	7.181	10427
G100YR24HR	13L1825B	GEE	12.07	2.56	10.143	14728
G002YR24HR	13L1829B	GEE	12.23	33.46	3.721	265849
G010YR24HR	13L1829B	GEE	12.23	53.57	6.095	435391
G025YR24HR	13L1829B	GEE	12.23	67.68	7.784	556103
G100YR24HR	13L1829B	GEE	12.23	92.43	10.773	769637
G002YR24HR	13L1875B	GEE	12.25	69.47	3.861	604015
G010YR24HR	13L1875B	GEE	12.25	110.03	6.243	976769
G025YR24HR	13L1875B	GEE	12.25	138.54	7.936	1241658
G100YR24HR	13L1875B	GEE	12.25	188.62	10.929	1709807
G002YR24HR	13L1876B	GEE	12.33	91.60	3.136	760352
G010YR24HR	13L1876B	GEE	12.33	155.93	5.438	1318535
G025YR24HR	13L1876B	GEE	12.25	201.17	7.098	1721088
G100YR24HR	13L1876B	GEE	12.25	280.77	10.053	2437780
G002YR24HR	13L1877B	GEE	12.19	50.30	3.006	347903
G010YR24HR	13L1877B	GEE	12.19	87.04	5.287	611828
G025YR24HR	13L1877B	GEE	12.19	112.92	6.938	802930
G100YR24HR	13L1877B	GEE	12.19	158.20	9.884	1143873
G002YR24HR	13L1878B	GEE	12.26	25.88	3.006	195656
G010YR24HR	13L1878B	GEE	12.26	44.77	5.287	344087
G025YR24HR	13L1878B	GEE	12.26	58.08	6.938	451561
G100YR24HR	13L1878B	GEE	12.26	81.37	9.884	643306
G002YR24HR	13L1885B	GEE	12.13	50.90	3.217	312919
G010YR24HR	13L1885B	GEE	12.13	85.61	5.532	538217
G025YR24HR	13L1885B	GEE	12.13	109.95	7.199	700343
G100YR24HR	13L1885B	GEE	12.13	152.51	10.163	988660
G002YR24HR	13L1890B	GEE	12.07	14.38	3.224	78423
G010YR24HR	13L1890B	GEE	12.07	24.15	5.542	134776
G025YR24HR	13L1890B	GEE	12.07	31.00	7.209	175320
G100YR24HR	13L1890B	GEE	12.07	42.97	10.173	247413
G002YR24HR	13L1895B	GEE	12.07	16.10	3.471	89082
G010YR24HR	13L1895B	GEE	12.07	26.32	5.821	149380
G025YR24HR	13L1895B	GEE	12.07	33.47	7.501	192508
G100YR24HR	13L1895B	GEE	12.07	46.00	10.480	268968
G002YR24HR	13L1950B	GEE	12.18	101.17	3.866	748006
G010YR24HR	13L1950B	GEE	12.18	160.00	6.251	1209346
G025YR24HR	13L1950B	GEE	12.18	201.36	7.945	1537176
G100YR24HR	13L1950B	GEE	12.18	274.02	10.939	2116554
G002YR24HR	13L1951B	GEE	12.07	7.89	3.199	42962
G010YR24HR	13L1951B	GEE	12.07	13.28	5.512	74030
G025YR24HR	13L1951B	GEE	12.07	17.07	7.177	96398
G100YR24HR	13L1951B	GEE	12.07	23.69	10.140	136186
G002YR24HR	13L1952B	GEE	12.50	69.00	3.130	678891
G010YR24HR	13L1952B	GEE	12.42	117.74	5.431	1177907
G025YR24HR	13L1952B	GEE	12.42	152.26	7.090	1537843
G100YR24HR	13L1952B	GEE	12.42	212.64	10.045	2178711
G002YR24HR	13L1975B	GEE	12.33	23.98	3.520	202779
G010YR24HR	13L1975B	GEE	12.25	39.14	5.873	338360
G025YR24HR	13L1975B	GEE	12.25	49.79	7.555	435231
G100YR24HR	13L1975B	GEE	12.25	68.45	10.535	606882
G002YR24HR	13L2050B	GEE	12.07	38.00	3.735	215020
G010YR24HR	13L2050B	GEE	12.07	60.62	6.110	351757
G025YR24HR	13L2050B	GEE	12.07	76.50	7.801	449095
G100YR24HR	13L2050B	GEE	12.07	104.35	10.791	621266
G002YR24HR	13L2051B	GEE	12.18	16.12	3.007	113419
G010YR24HR	13L2051B	GEE	12.18	27.95	5.288	199456
G025YR24HR	13L2051B	GEE	12.18	36.28	6.940	261752
G100YR24HR	13L2051B	GEE	12.18	50.87	9.887	372894
G002YR24HR	13L2052B	GEE	12.29	12.55	3.005	100914
G010YR24HR	13L2052B	GEE	12.29	21.76	5.285	177473
G025YR24HR	13L2052B	GEE	12.29	28.25	6.936	232909
G100YR24HR	13L2052B	GEE	12.29	39.61	9.882	331811
G002YR24HR	13L2053B	GEE	12.33	36.58	3.020	320400

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13L2053B	GEE	12.33	63.43	5.301	562449
G025YR24HR	13L2053B	GEE	12.33	82.37	6.952	737618
G100YR24HR	13L2053B	GEE	12.33	115.52	9.896	1050048
G002YR24HR	13L2151B	GEE	12.07	9.08	3.007	49123
G010YR24HR	13L2151B	GEE	12.07	15.67	5.288	86386
G025YR24HR	13L2151B	GEE	12.07	20.30	6.940	113367
G100YR24HR	13L2151B	GEE	12.07	28.40	9.887	161504
G002YR24HR	13L2152B	GEE	12.12	33.12	3.005	212519
G010YR24HR	13L2152B	GEE	12.12	57.37	5.285	373749
G025YR24HR	13L2152B	GEE	12.12	74.46	6.936	490493
G100YR24HR	13L2152B	GEE	12.12	104.36	9.882	698775
G002YR24HR	13L2300B	GEE	12.07	6.65	3.222	36252
G010YR24HR	13L2300B	GEE	12.07	11.17	5.538	62321
G025YR24HR	13L2300B	GEE	12.07	14.34	7.205	81078
G100YR24HR	13L2300B	GEE	12.07	19.88	10.169	114432
G002YR24HR	13L2400B	GEE	12.07	8.62	3.007	46612
G010YR24HR	13L2400B	GEE	12.07	14.86	5.288	81971
G025YR24HR	13L2400B	GEE	12.07	19.26	6.940	107573
G100YR24HR	13L2400B	GEE	12.07	26.95	9.887	153249
G002YR24HR	13L2500B	GEE	12.19	33.81	3.517	239116
G010YR24HR	13L2500B	GEE	12.19	55.11	5.871	399178
G025YR24HR	13L2500B	GEE	12.19	70.04	7.553	513550
G100YR24HR	13L2500B	GEE	12.19	96.17	10.534	716223
G002YR24HR	13L2520B	GEE	12.13	21.82	2.140	133937
G010YR24HR	13L2520B	GEE	12.13	43.29	4.201	262911
G025YR24HR	13L2520B	GEE	12.13	59.04	5.752	359952
G100YR24HR	13L2520B	GEE	12.13	87.05	8.578	536817
G002YR24HR	13L2540B	GEE	12.07	10.09	3.763	57234
G010YR24HR	13L2540B	GEE	12.07	16.05	6.140	93392
G025YR24HR	13L2540B	GEE	12.07	20.24	7.832	119121
G100YR24HR	13L2540B	GEE	12.07	27.59	10.823	164620
G002YR24HR	13L2560B	GEE	12.13	27.31	3.219	167889
G010YR24HR	13L2560B	GEE	12.13	45.91	5.535	288708
G025YR24HR	13L2560B	GEE	12.13	58.97	7.201	375645
G100YR24HR	13L2560B	GEE	12.13	81.79	10.165	530246
G002YR24HR	13L2700B	GEE	12.12	10.91	3.345	64596
G010YR24HR	13L2700B	GEE	12.12	18.06	5.679	109670
G025YR24HR	13L2700B	GEE	12.08	23.10	7.353	141999
G100YR24HR	13L2700B	GEE	12.08	31.90	10.325	199396
G002YR24HR	13L2720B	GEE	12.07	10.67	3.018	57730
G010YR24HR	13L2720B	GEE	12.07	18.38	5.301	101405
G025YR24HR	13L2720B	GEE	12.07	23.81	6.953	133019
G100YR24HR	13L2720B	GEE	12.07	33.29	9.901	189410
G002YR24HR	13L2750B	GEE	12.19	53.39	3.593	379628
G010YR24HR	13L2750B	GEE	12.19	86.37	5.955	629219
G025YR24HR	13L2750B	GEE	12.19	109.50	7.640	807308
G100YR24HR	13L2750B	GEE	12.19	150.00	10.624	1122668
G002YR24HR	13L3000B	GEE	12.07	3.81	3.600	21300
G010YR24HR	13L3000B	GEE	12.07	6.15	5.963	35283
G025YR24HR	13L3000B	GEE	12.07	7.79	7.649	45259
G100YR24HR	13L3000B	GEE	12.07	10.67	10.634	62923
G002YR24HR	13L3140B	GEE	12.20	61.17	3.183	440109
G010YR24HR	13L3140B	GEE	12.20	103.64	5.493	759500
G025YR24HR	13L3140B	GEE	12.20	133.47	7.157	989536
G100YR24HR	13L3140B	GEE	12.20	185.63	10.117	1398807
G002YR24HR	13M0400B	GEE	12.92	24.91	3.226	354787
G010YR24HR	13M0400B	GEE	12.92	42.25	5.541	609482
G025YR24HR	13M0400B	GEE	12.92	54.46	7.207	792704
G100YR24HR	13M0400B	GEE	12.92	75.84	10.169	1118482
G002YR24HR	13M0500B	GEE	12.07	7.26	2.978	39236
G010YR24HR	13M0500B	GEE	12.07	12.57	5.253	69224
G025YR24HR	13M0500B	GEE	12.07	16.31	6.903	90958
G100YR24HR	13M0500B	GEE	12.07	22.86	9.847	129752
G002YR24HR	13M0600B	GEE	12.33	35.46	3.379	318424
G010YR24HR	13M0600B	GEE	12.33	58.83	5.714	538485
G025YR24HR	13M0600B	GEE	12.33	75.23	7.388	696179
G100YR24HR	13M0600B	GEE	12.33	103.91	10.357	976018

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13M0601B	GEE	12.42	8.17	2.871	75253
G010YR24HR	13M0601B	GEE	12.42	14.44	5.124	134298
G025YR24HR	13M0601B	GEE	12.42	18.88	6.763	177243
G100YR24HR	13M0601B	GEE	12.42	26.66	9.693	254042
G002YR24HR	13M0850B	GEE	12.07	2.77	3.064	15015
G010YR24HR	13M0850B	GEE	12.07	4.75	5.355	26243
G025YR24HR	13M0850B	GEE	12.07	6.13	7.011	34358
G100YR24HR	13M0850B	GEE	12.07	8.56	9.963	48823
G002YR24HR	13M0950B	GEE	12.07	12.62	3.506	70005
G010YR24HR	13M0950B	GEE	12.07	20.56	5.860	116993
G025YR24HR	13M0950B	GEE	12.07	26.12	7.542	150575
G100YR24HR	13M0950B	GEE	12.07	35.85	10.523	210092
G002YR24HR	13M0990B	GEE	12.07	14.90	3.481	82524
G010YR24HR	13M0990B	GEE	12.07	24.34	5.832	138245
G025YR24HR	13M0990B	GEE	12.07	30.94	7.513	178089
G100YR24HR	13M0990B	GEE	12.07	42.51	10.493	248722
G002YR24HR	13M1200B	GEE	12.07	3.42	3.506	18965
G010YR24HR	13M1200B	GEE	12.07	5.57	5.860	31694
G025YR24HR	13M1200B	GEE	12.07	7.07	7.542	40792
G100YR24HR	13M1200B	GEE	12.07	9.71	10.523	56916
G002YR24HR	13M1400B	GEE	12.07	5.12	3.506	28384
G010YR24HR	13M1400B	GEE	12.07	8.33	5.860	47435
G025YR24HR	13M1400B	GEE	12.07	10.59	7.542	61051
G100YR24HR	13M1400B	GEE	12.07	14.53	10.523	85183
G002YR24HR	13M1500B	GEE	12.07	9.59	3.471	53046
G010YR24HR	13M1500B	GEE	12.07	15.67	5.821	88952
G025YR24HR	13M1500B	GEE	12.07	19.93	7.501	114633
G100YR24HR	13M1500B	GEE	12.07	27.39	10.480	160163
G002YR24HR	13M1520B	GEE	12.07	11.24	3.516	62408
G010YR24HR	13M1520B	GEE	12.07	18.30	5.870	104202
G025YR24HR	13M1520B	GEE	12.07	23.24	7.553	134067
G100YR24HR	13M1520B	GEE	12.07	31.89	10.534	186991
G002YR24HR	13M1800B	GEE	12.07	102.58	3.677	577088
G010YR24HR	13M1800B	GEE	12.07	164.44	6.047	949123
G025YR24HR	13M1800B	GEE	12.07	207.82	7.736	1214199
G100YR24HR	13M1800B	GEE	12.07	283.90	10.724	1683269
G002YR24HR	13M1925B	GEE	12.13	23.65	3.845	152558
G010YR24HR	13M1925B	GEE	12.13	37.42	6.228	247110
G025YR24HR	13M1925B	GEE	12.13	47.09	7.922	314316
G100YR24HR	13M1925B	GEE	12.13	64.09	10.916	433104
G002YR24HR	13M2110B	GEE	12.07	7.78	2.830	41920
G010YR24HR	13M2110B	GEE	12.07	13.75	5.077	75195
G025YR24HR	13M2110B	GEE	12.07	17.97	6.714	99435
G100YR24HR	13M2110B	GEE	12.07	25.36	9.643	142821
G002YR24HR	13M2130B	GEE	13.00	26.44	2.390	392068
G010YR24HR	13M2130B	GEE	13.00	50.69	4.528	742706
G025YR24HR	13M2130B	GEE	13.00	68.35	6.114	1003005
G100YR24HR	13M2130B	GEE	13.00	99.70	8.984	1473780
G002YR24HR	13M2150B	GEE	12.10	24.23	2.447	130461
G010YR24HR	13M2150B	GEE	12.07	45.38	4.601	245321
G025YR24HR	13M2150B	GEE	12.07	60.62	6.195	330359
G100YR24HR	13M2150B	GEE	12.07	87.46	9.075	483925
G002YR24HR	13M2210B	GEE	12.07	3.29	2.841	17736
G010YR24HR	13M2210B	GEE	12.07	5.81	5.089	31777
G025YR24HR	13M2210B	GEE	12.07	7.59	6.727	42001
G100YR24HR	13M2210B	GEE	12.07	10.70	9.658	60298
G002YR24HR	13M2230B	GEE	12.07	1.60	2.976	8642
G010YR24HR	13M2230B	GEE	12.07	2.77	5.251	15249
G025YR24HR	13M2230B	GEE	12.07	3.59	6.900	20039
G100YR24HR	13M2230B	GEE	12.07	5.04	9.844	28588
G002YR24HR	13M2250B	GEE	12.07	1.40	3.075	7589
G010YR24HR	13M2250B	GEE	12.07	2.39	5.368	13249
G025YR24HR	13M2250B	GEE	12.07	3.09	7.024	17339
G100YR24HR	13M2250B	GEE	12.07	4.32	9.977	24627
G002YR24HR	13M2254B	GEE	12.24	24.28	3.628	197650
G010YR24HR	13M2254B	GEE	12.24	39.23	5.992	326500

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13M2254B	GEE	12.24	49.71	7.679	418378
G100YR24HR	13M2254B	GEE	12.24	68.07	10.664	581027
G002YR24HR	13M2270B	GEE	12.07	2.12	3.107	11502
G010YR24HR	13M2270B	GEE	12.07	3.61	5.405	20013
G025YR24HR	13M2270B	GEE	12.07	4.66	7.064	26156
G100YR24HR	13M2270B	GEE	12.07	6.49	10.019	37098
G002YR24HR	13M2290B	GEE	12.07	1.34	3.040	7283
G010YR24HR	13M2290B	GEE	12.07	2.31	5.327	12762
G025YR24HR	13M2290B	GEE	12.07	2.99	6.981	16725
G100YR24HR	13M2290B	GEE	12.07	4.18	9.931	23792
G002YR24HR	13M2330B	GEE	12.07	11.03	3.513	61205
G010YR24HR	13M2330B	GEE	12.07	17.95	5.867	102224
G025YR24HR	13M2330B	GEE	12.07	22.80	7.549	131537
G100YR24HR	13M2330B	GEE	12.07	31.29	10.531	183484
G002YR24HR	13M2331B	GEE	12.07	10.17	2.914	54906
G010YR24HR	13M2331B	GEE	12.07	17.77	5.178	97553
G025YR24HR	13M2331B	GEE	12.07	23.13	6.822	128528
G100YR24HR	13M2331B	GEE	12.07	32.50	9.760	183880
G002YR24HR	13M2332B	GEE	12.12	13.22	3.398	80304
G010YR24HR	13M2332B	GEE	12.12	21.78	5.739	135613
G025YR24HR	13M2332B	GEE	12.12	27.78	7.415	175233
G100YR24HR	13M2332B	GEE	12.12	38.28	10.390	245532
G002YR24HR	13M2334B	GEE	12.07	8.16	3.614	45650
G010YR24HR	13M2334B	GEE	12.07	13.15	5.978	75519
G025YR24HR	13M2334B	GEE	12.07	16.66	7.665	96823
G100YR24HR	13M2334B	GEE	12.07	22.79	10.651	134543
G002YR24HR	13M2335B	GEE	12.07	7.88	3.099	42744
G010YR24HR	13M2335B	GEE	12.07	13.43	5.396	74431
G025YR24HR	13M2335B	GEE	12.07	17.34	7.055	97310
G100YR24HR	13M2335B	GEE	12.07	24.16	10.009	138067
G002YR24HR	13M2340B	GEE	12.24	24.30	3.514	182005
G010YR24HR	13M2340B	GEE	12.18	39.70	5.867	303930
G025YR24HR	13M2340B	GEE	12.18	50.50	7.549	391057
G100YR24HR	13M2340B	GEE	12.18	69.40	10.530	545454
G002YR24HR	13M2341B	GEE	12.29	15.59	3.134	125707
G010YR24HR	13M2341B	GEE	12.29	26.58	5.436	218051
G025YR24HR	13M2341B	GEE	12.29	34.31	7.097	284653
G100YR24HR	13M2341B	GEE	12.29	47.82	10.053	403233
G002YR24HR	13M2400B	GEE	12.07	26.57	3.294	145420
G010YR24HR	13M2400B	GEE	12.07	44.26	5.622	248142
G025YR24HR	13M2400B	GEE	12.07	56.66	7.293	321912
G100YR24HR	13M2400B	GEE	12.07	78.34	10.262	452964
G002YR24HR	13N0050B	GEE	12.10	21.40	2.382	115250
G010YR24HR	13N0050B	GEE	12.07	40.49	4.518	218596
G025YR24HR	13N0050B	GEE	12.07	54.31	6.104	295352
G100YR24HR	13N0050B	GEE	12.07	78.68	8.973	434207
G002YR24HR	13N0100B	GEE	12.07	26.99	2.563	145313
G010YR24HR	13N0100B	GEE	12.07	49.66	4.748	269189
G025YR24HR	13N0100B	GEE	12.07	65.86	6.356	360413
G100YR24HR	13N0100B	GEE	12.07	94.34	9.253	524659
G002YR24HR	13N0200B	GEE	12.07	8.62	3.841	49354
G010YR24HR	13N0200B	GEE	12.07	13.64	6.224	79973
G025YR24HR	13N0200B	GEE	12.07	17.17	7.917	101738
G100YR24HR	13N0200B	GEE	12.07	23.37	10.911	140210
G002YR24HR	13N0200B2	GEE	12.20	62.19	3.493	470395
G010YR24HR	13N0200B2	GEE	12.20	101.84	5.845	787145
G025YR24HR	13N0200B2	GEE	12.20	129.62	7.526	1013592
G100YR24HR	13N0200B2	GEE	12.20	178.24	10.507	1414967
G002YR24HR	13N0201B	GEE	12.83	3.01	1.220	41508
G010YR24HR	13N0201B	GEE	12.75	7.84	2.874	97742
G025YR24HR	13N0201B	GEE	12.75	11.76	4.212	143263
G100YR24HR	13N0201B	GEE	12.75	19.14	6.762	229981
G002YR24HR	13N0301B	GEE	12.29	17.72	2.724	142209
G010YR24HR	13N0301B	GEE	12.29	31.97	4.947	258239
G025YR24HR	13N0301B	GEE	12.29	42.11	6.573	343106
G100YR24HR	13N0301B	GEE	12.29	59.90	9.489	495334

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13N0302B	GEE	12.25	33.21	3.067	259397
G010YR24HR	13N0302B	GEE	12.25	57.17	5.358	453202
G025YR24HR	13N0302B	GEE	12.25	74.04	7.014	593264
G100YR24HR	13N0302B	GEE	12.25	103.55	9.966	842898
G002YR24HR	13N0600B	GEE	12.23	39.63	2.719	304320
G010YR24HR	13N0600B	GEE	12.23	71.68	4.941	552970
G025YR24HR	13N0600B	GEE	12.23	94.50	6.566	734875
G100YR24HR	13N0600B	GEE	12.23	134.56	9.482	1061204
G002YR24HR	13N0650B	GEE	12.17	69.64	3.069	472089
G010YR24HR	13N0650B	GEE	12.17	119.63	5.361	824698
G025YR24HR	13N0650B	GEE	12.17	154.80	7.017	1079519
G100YR24HR	13N0650B	GEE	12.17	216.32	9.969	1533682
G002YR24HR	13N0700B	GEE	12.07	11.49	3.998	67047
G010YR24HR	13N0700B	GEE	12.07	17.98	6.390	107157
G025YR24HR	13N0700B	GEE	12.07	22.56	8.087	135620
G100YR24HR	13N0700B	GEE	12.07	30.62	11.084	185891
G002YR24HR	13N0700B2	GEE	12.30	106.06	2.185	822404
G010YR24HR	13N0700B2	GEE	12.23	208.90	4.260	1603478
G025YR24HR	13N0700B2	GEE	12.23	284.99	5.817	2189641
G100YR24HR	13N0700B2	GEE	12.23	420.42	8.651	3256358
G002YR24HR	13N0701B	GEE	12.58	26.45	2.408	278957
G010YR24HR	13N0701B	GEE	12.58	50.21	4.550	527234
G025YR24HR	13N0701B	GEE	12.58	67.41	6.140	711391
G100YR24HR	13N0701B	GEE	12.50	98.08	9.013	1044299
G002YR24HR	13N0710B	GEE	12.07	22.83	3.090	123833
G010YR24HR	13N0710B	GEE	12.07	38.97	5.386	215833
G025YR24HR	13N0710B	GEE	12.07	50.31	7.044	282276
G100YR24HR	13N0710B	GEE	12.07	70.14	9.998	400657
G002YR24HR	13N0720B	GEE	12.07	15.96	3.007	86347
G010YR24HR	13N0720B	GEE	12.07	27.54	5.288	151848
G025YR24HR	13N0720B	GEE	12.07	35.68	6.940	199274
G100YR24HR	13N0720B	GEE	12.07	49.93	9.887	283888
G002YR24HR	13N0730B	GEE	12.25	26.35	3.006	205605
G010YR24HR	13N0730B	GEE	12.25	45.72	5.287	361580
G025YR24HR	13N0730B	GEE	12.25	59.39	6.938	474517
G100YR24HR	13N0730B	GEE	12.25	83.30	9.885	676007
G002YR24HR	13N0740B	GEE	12.50	13.01	3.006	135315
G010YR24HR	13N0740B	GEE	12.50	22.64	5.287	237962
G025YR24HR	13N0740B	GEE	12.50	29.44	6.938	312285
G100YR24HR	13N0740B	GEE	12.50	41.36	9.884	444883
G002YR24HR	13N0750B	GEE	12.07	7.40	3.212	40337
G010YR24HR	13N0750B	GEE	12.07	12.45	5.527	69415
G025YR24HR	13N0750B	GEE	12.07	15.99	7.193	90342
G100YR24HR	13N0750B	GEE	12.07	22.17	10.156	127560
G002YR24HR	13N0751B	GEE	12.19	71.75	3.006	496209
G010YR24HR	13N0751B	GEE	12.19	124.14	5.287	872642
G025YR24HR	13N0751B	GEE	12.19	161.06	6.938	1145208
G100YR24HR	13N0751B	GEE	12.19	225.64	9.884	1631490
G002YR24HR	13N0752B	GEE	12.07	16.01	2.977	86552
G010YR24HR	13N0752B	GEE	12.07	27.74	5.252	152718
G025YR24HR	13N0752B	GEE	12.07	35.99	6.902	200674
G100YR24HR	13N0752B	GEE	12.07	50.43	9.846	286276
G002YR24HR	13N0800B	GEE	12.07	10.21	3.137	55452
G010YR24HR	13N0800B	GEE	12.07	17.32	5.440	96172
G025YR24HR	13N0800B	GEE	12.07	22.32	7.101	125540
G100YR24HR	13N0800B	GEE	12.07	31.05	10.059	177827
G002YR24HR	13N0850B	GEE	12.07	10.84	3.715	61230
G010YR24HR	13N0850B	GEE	12.07	17.32	6.089	100346
G025YR24HR	13N0850B	GEE	12.07	21.87	7.779	128199
G100YR24HR	13N0850B	GEE	12.07	29.85	10.769	177472
G002YR24HR	13N0900B	GEE	12.07	14.09	2.839	75947
G010YR24HR	13N0900B	GEE	12.07	24.87	5.087	136099
G025YR24HR	13N0900B	GEE	12.07	32.49	6.725	179906
G100YR24HR	13N0900B	GEE	12.07	45.84	9.655	258301
G002YR24HR	13P0200B	GEE	12.07	19.89	2.750	107101
G010YR24HR	13P0200B	GEE	12.07	35.56	4.979	193930
G025YR24HR	13P0200B	GEE	12.07	46.68	6.608	257378

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13P0200B	GEE	12.07	66.15	9.528	371128
G002YR24HR	13P0400B	GEE	12.07	3.81	2.677	20507
G010YR24HR	13P0400B	GEE	12.07	6.89	4.890	37455
G025YR24HR	13P0400B	GEE	12.07	9.07	6.512	49875
G100YR24HR	13P0400B	GEE	12.07	12.91	9.423	72176
G002YR24HR	13P0500B	GEE	12.10	24.51	2.456	131945
G010YR24HR	13P0500B	GEE	12.07	45.83	4.613	247804
G025YR24HR	13P0500B	GEE	12.07	61.18	6.208	333543
G100YR24HR	13P0500B	GEE	12.07	88.22	9.090	488336
G002YR24HR	13P0501B	GEE	12.07	9.50	3.140	51629
G010YR24HR	13P0501B	GEE	12.07	16.12	5.444	89514
G025YR24HR	13P0501B	GEE	12.07	20.76	7.105	116835
G100YR24HR	13P0501B	GEE	12.07	28.89	10.063	165475
G002YR24HR	13P0502B	GEE	12.07	9.47	3.088	51340
G010YR24HR	13P0502B	GEE	12.07	16.16	5.383	89502
G025YR24HR	13P0502B	GEE	12.07	20.87	7.041	117064
G100YR24HR	13P0502B	GEE	12.07	29.09	9.995	166172
G002YR24HR	13P0800B	GEE	12.07	1.53	3.009	8302
G010YR24HR	13P0800B	GEE	12.07	2.65	5.291	14596
G025YR24HR	13P0800B	GEE	12.07	3.43	6.943	19153
G100YR24HR	13P0800B	GEE	12.07	4.80	9.890	27283
G002YR24HR	13P0900B	GEE	12.07	4.87	3.113	26445
G010YR24HR	13P0900B	GEE	12.07	8.29	5.413	45979
G025YR24HR	13P0900B	GEE	12.07	10.69	7.073	60076
G100YR24HR	13P0900B	GEE	12.07	14.89	10.028	85183
G002YR24HR	13P0950B	GEE	12.42	11.42	3.088	109641
G010YR24HR	13P0950B	GEE	12.42	19.65	5.383	191098
G025YR24HR	13P0950B	GEE	12.42	25.44	7.040	249926
G100YR24HR	13P0950B	GEE	12.42	35.58	9.992	354740
G002YR24HR	13P1000B	GEE	12.20	18.09	3.126	129933
G010YR24HR	13P1000B	GEE	12.20	30.87	5.427	225566
G025YR24HR	13P1000B	GEE	12.20	39.85	7.087	294557
G100YR24HR	13P1000B	GEE	12.20	55.56	10.043	417404
G002YR24HR	13P1250B	GEE	12.07	8.89	3.181	48381
G010YR24HR	13P1250B	GEE	12.07	15.00	5.491	83522
G025YR24HR	13P1250B	GEE	12.07	19.29	7.156	108835
G100YR24HR	13P1250B	GEE	12.07	26.80	10.117	153872
G002YR24HR	13P1300B	GEE	12.07	3.09	3.030	16719
G010YR24HR	13P1300B	GEE	12.07	5.31	5.316	29329
G025YR24HR	13P1300B	GEE	12.07	6.88	6.969	38452
G100YR24HR	13P1300B	GEE	12.07	9.61	9.918	54723
G002YR24HR	13P1650B	GEE	12.07	4.69	3.286	25649
G010YR24HR	13P1650B	GEE	12.07	7.82	5.612	43802
G025YR24HR	13P1650B	GEE	12.07	10.01	7.283	56842
G100YR24HR	13P1650B	GEE	12.07	13.84	10.252	80009
G002YR24HR	13P1800B	GEE	12.16	12.65	3.576	86184
G010YR24HR	13P1800B	GEE	12.16	20.50	5.936	143085
G025YR24HR	13P1800B	GEE	12.16	26.01	7.621	183699
G100YR24HR	13P1800B	GEE	12.16	35.65	10.606	255630
G002YR24HR	13P1801B	GEE	12.07	7.60	3.481	42083
G010YR24HR	13P1801B	GEE	12.07	12.41	5.832	70498
G025YR24HR	13P1801B	GEE	12.07	15.78	7.513	90817
G100YR24HR	13P1801B	GEE	12.07	21.68	10.493	126837
G002YR24HR	13P1810B	GEE	12.07	21.95	3.292	120113
G010YR24HR	13P1810B	GEE	12.07	36.57	5.619	205001
G025YR24HR	13P1810B	GEE	12.07	46.82	7.290	265966
G100YR24HR	13P1810B	GEE	12.07	64.74	10.259	374274
G002YR24HR	13P1814B	GEE	12.02	14.09	3.844	70885
G010YR24HR	13P1814B	GEE	12.02	22.25	6.227	114829
G025YR24HR	13P1814B	GEE	12.02	27.99	7.921	146064
G100YR24HR	13P1814B	GEE	12.02	38.08	10.915	201273
G002YR24HR	13P1826B	GEE	12.24	28.65	3.439	230572
G010YR24HR	13P1826B	GEE	12.24	47.20	5.784	387784
G025YR24HR	13P1826B	GEE	12.24	60.20	7.462	500300
G100YR24HR	13P1826B	GEE	12.24	82.95	10.438	699843
G002YR24HR	13P1900B	GEE	12.13	57.24	4.008	376826

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13P1900B	GEE	12.13	89.57	6.400	601730
G025YR24HR	13P1900B	GEE	12.13	112.36	8.098	761312
G100YR24HR	13P1900B	GEE	12.13	152.48	11.095	1043149
G002YR24HR	13P1901B	GEE	12.07	5.96	3.059	32314
G010YR24HR	13P1901B	GEE	12.07	10.22	5.349	56508
G025YR24HR	13P1901B	GEE	12.07	13.21	7.005	73997
G100YR24HR	13P1901B	GEE	12.07	18.44	9.957	105174
G002YR24HR	13P1902B	GEE	12.07	4.48	3.839	25638
G010YR24HR	13P1902B	GEE	12.07	7.09	6.221	41552
G025YR24HR	13P1902B	GEE	12.07	8.92	7.915	52865
G100YR24HR	13P1902B	GEE	12.07	12.15	10.909	72861
G002YR24HR	13P1920B	GEE	12.07	22.01	3.828	125739
G010YR24HR	13P1920B	GEE	12.07	34.85	6.209	203989
G025YR24HR	13P1920B	GEE	12.07	43.87	7.903	259620
G100YR24HR	13P1920B	GEE	12.07	59.72	10.896	357960
G002YR24HR	13P2010B	GEE	12.07	1.70	2.773	9162
G010YR24HR	13P2010B	GEE	12.07	3.03	5.008	16543
G025YR24HR	13P2010B	GEE	12.07	3.97	6.639	21931
G100YR24HR	13P2010B	GEE	12.07	5.62	9.562	31587
G002YR24HR	13P2014B	GEE	12.07	3.14	2.773	16908
G010YR24HR	13P2014B	GEE	12.07	5.59	5.007	30534
G025YR24HR	13P2014B	GEE	12.07	7.33	6.638	40481
G100YR24HR	13P2014B	GEE	12.07	10.38	9.561	58307
G002YR24HR	13P2050B	GEE	12.18	12.17	3.716	88634
G010YR24HR	13P2050B	GEE	12.18	19.48	6.090	145242
G025YR24HR	13P2050B	GEE	12.18	24.61	7.780	185550
G100YR24HR	13P2050B	GEE	12.18	33.60	10.770	256857
G002YR24HR	13P2250B	GEE	12.17	94.85	3.665	663174
G010YR24HR	13P2250B	GEE	12.17	152.49	6.034	1091893
G025YR24HR	13P2250B	GEE	12.17	192.90	7.722	1397416
G100YR24HR	13P2250B	GEE	12.17	263.76	10.710	1938110
G002YR24HR	13P2300B	GEE	12.07	20.20	3.416	111365
G010YR24HR	13P2300B	GEE	12.07	33.21	5.759	187743
G025YR24HR	13P2300B	GEE	12.07	42.32	7.437	242436
G100YR24HR	13P2300B	GEE	12.07	58.26	10.414	339456
G002YR24HR	13P2400B	GEE	12.07	13.97	3.330	76632
G010YR24HR	13P2400B	GEE	12.07	23.19	5.662	130300
G025YR24HR	13P2400B	GEE	12.07	29.64	7.335	168808
G100YR24HR	13P2400B	GEE	12.07	40.93	10.306	237189
G002YR24HR	13P2400BZ	GEE	12.07	10.32	3.650	57898
G010YR24HR	13P2400BZ	GEE	12.07	16.58	6.018	95460
G025YR24HR	13P2400BZ	GEE	12.07	20.97	7.706	122235
G100YR24HR	13P2400BZ	GEE	12.07	28.66	10.693	169624
G002YR24HR	13P2600B	GEE	12.24	590.28	3.539	4429139
G010YR24HR	13P2600B	GEE	12.18	962.18	5.895	7378510
G025YR24HR	13P2600B	GEE	12.18	1222.80	7.578	9485077
G100YR24HR	13P2600B	GEE	12.18	1679.11	10.560	13217228
G002YR24HR	13P2640B	GEE	12.07	18.94	3.381	104184
G010YR24HR	13P2640B	GEE	12.07	31.26	5.719	176257
G025YR24HR	13P2640B	GEE	12.07	39.88	7.395	227909
G100YR24HR	13P2640B	GEE	12.07	54.97	10.369	319572
G002YR24HR	13P2645B	GEE	12.07	9.48	3.495	52523
G010YR24HR	13P2645B	GEE	12.07	15.45	5.847	87872
G025YR24HR	13P2645B	GEE	12.07	19.64	7.529	113143
G100YR24HR	13P2645B	GEE	12.07	26.97	10.509	157934
G002YR24HR	13P2646B	GEE	12.07	23.77	3.629	133166
G010YR24HR	13P2646B	GEE	12.07	38.27	5.994	219992
G025YR24HR	13P2646B	GEE	12.07	48.44	7.682	281907
G100YR24HR	13P2646B	GEE	12.07	66.25	10.668	391511
G002YR24HR	13P2648B	GEE	12.07	52.75	2.924	284754
G010YR24HR	13P2648B	GEE	12.07	92.01	5.189	505398
G025YR24HR	13P2648B	GEE	12.07	119.71	6.834	665603
G100YR24HR	13P2648B	GEE	12.07	168.16	9.773	951842
G002YR24HR	13P2660B	GEE	12.10	45.11	2.550	242858
G010YR24HR	13P2660B	GEE	12.07	83.16	4.731	450637
G025YR24HR	13P2660B	GEE	12.07	110.38	6.338	603737
G100YR24HR	13P2660B	GEE	12.07	158.24	9.233	879481

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13P2661B	GEE	12.10	21.46	1.193	129460
G010YR24HR	13P2661B	GEE	12.10	55.94	2.832	307231
G025YR24HR	13P2661B	GEE	12.10	83.49	4.162	451580
G100YR24HR	13P2661B	GEE	12.07	135.06	6.701	727093
G002YR24HR	13P2800B	GEE	12.25	223.38	3.181	1749547
G010YR24HR	13P2800B	GEE	12.25	378.97	5.491	3020061
G025YR24HR	13P2800B	GEE	12.25	488.28	7.155	3935200
G100YR24HR	13P2800B	GEE	12.25	679.44	10.116	5563438
G002YR24HR	13P2900B	GEE	12.25	34.95	3.094	273146
G010YR24HR	13P2900B	GEE	12.25	59.95	5.390	475843
G025YR24HR	13P2900B	GEE	12.25	77.55	7.048	622211
G100YR24HR	13P2900B	GEE	12.25	108.32	10.002	882972
G002YR24HR	13P3400B	GEE	12.02	42.74	3.819	214445
G010YR24HR	13P3400B	GEE	12.02	67.64	6.200	348170
G025YR24HR	13P3400B	GEE	12.02	85.14	7.893	443252
G100YR24HR	13P3400B	GEE	12.02	115.89	10.886	611339
G002YR24HR	13Q0500B	GEE	12.07	7.35	3.175	39993
G010YR24HR	13Q0500B	GEE	12.07	12.41	5.485	69084
G025YR24HR	13Q0500B	GEE	12.07	15.97	7.148	90042
G100YR24HR	13Q0500B	GEE	12.07	22.18	10.109	127334
G002YR24HR	13Q0820B	GEE	12.26	60.34	3.162	458222
G010YR24HR	13Q0820B	GEE	12.26	102.33	5.469	792530
G025YR24HR	13Q0820B	GEE	12.26	131.84	7.132	1033455
G100YR24HR	13Q0820B	GEE	12.26	183.43	10.091	1462233
G002YR24HR	13Q0840B	GEE	12.07	7.79	4.068	45928
G010YR24HR	13Q0840B	GEE	12.07	12.15	6.463	72962
G025YR24HR	13Q0840B	GEE	12.07	15.22	8.161	92135
G100YR24HR	13Q0840B	GEE	12.07	20.64	11.160	125989
G002YR24HR	13Q0860B	GEE	12.30	4.76	0.916	42085
G010YR24HR	13Q0860B	GEE	12.24	14.57	2.379	109314
G025YR24HR	13Q0860B	GEE	12.24	22.90	3.609	165855
G100YR24HR	13Q0860B	GEE	12.24	38.94	6.009	276157
G002YR24HR	13Q0861B	GEE	12.10	6.91	2.042	37502
G010YR24HR	13Q0861B	GEE	12.07	13.89	4.069	74734
G025YR24HR	13Q0861B	GEE	12.07	19.07	5.603	102913
G100YR24HR	13Q0861B	GEE	12.07	28.33	8.409	154448
G002YR24HR	13Q0870B	GEE	12.07	23.12	3.480	127981
G010YR24HR	13Q0870B	GEE	12.07	37.75	5.831	214417
G025YR24HR	13Q0870B	GEE	12.07	48.00	7.512	276226
G100YR24HR	13Q0870B	GEE	12.07	65.94	10.492	385797
G002YR24HR	13Q0875B	GEE	12.16	8.71	3.126	57985
G010YR24HR	13Q0875B	GEE	12.16	14.84	5.428	100680
G025YR24HR	13Q0875B	GEE	12.16	19.16	7.088	131481
G100YR24HR	13Q0875B	GEE	12.16	26.69	10.045	186329
G002YR24HR	13Q0880B	GEE	12.26	10.90	2.894	82244
G010YR24HR	13Q0880B	GEE	12.26	19.14	5.153	146455
G025YR24HR	13Q0880B	GEE	12.26	24.97	6.795	193125
G100YR24HR	13Q0880B	GEE	12.26	35.18	9.730	276555
G002YR24HR	13Q0885B	GEE	12.29	12.20	2.994	98029
G010YR24HR	13Q0885B	GEE	12.29	21.17	5.272	172617
G025YR24HR	13Q0885B	GEE	12.29	27.51	6.922	226645
G100YR24HR	13Q0885B	GEE	12.29	38.59	9.866	323053
G002YR24HR	13Q0895B	GEE	12.13	4.43	2.729	27541
G010YR24HR	13Q0895B	GEE	12.13	7.95	4.954	49989
G025YR24HR	13Q0895B	GEE	12.13	10.46	6.580	66405
G100YR24HR	13Q0895B	GEE	12.13	14.86	9.498	95848
G002YR24HR	13Q0924B	GEE	12.26	7.65	3.169	58093
G010YR24HR	13Q0924B	GEE	12.26	12.96	5.477	100403
G025YR24HR	13Q0924B	GEE	12.26	16.69	7.140	130890
G100YR24HR	13Q0924B	GEE	12.26	23.22	10.100	185141
G002YR24HR	13Q0940B	GEE	12.07	10.60	3.218	57814
G010YR24HR	13Q0940B	GEE	12.07	17.82	5.534	99430
G025YR24HR	13Q0940B	GEE	12.07	22.88	7.200	129376
G100YR24HR	13Q0940B	GEE	12.07	31.73	10.164	182630
G002YR24HR	13Q1100B	GEE	12.07	4.90	3.351	26883
G010YR24HR	13Q1100B	GEE	12.07	8.11	5.686	45613

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13Q1100B	GEE	12.07	10.35	7.360	59046
G100YR24HR	13Q1100B	GEE	12.07	14.29	10.333	82893
G002YR24HR	13Q1300B	GEE	12.07	1.79	3.332	9796
G010YR24HR	13Q1300B	GEE	12.07	2.96	5.664	16654
G025YR24HR	13Q1300B	GEE	12.07	3.79	7.337	21574
G100YR24HR	13Q1300B	GEE	12.07	5.23	10.309	30311
G002YR24HR	13Q1600B	GEE	12.07	7.72	3.587	43101
G010YR24HR	13Q1600B	GEE	12.07	12.48	5.949	71481
G025YR24HR	13Q1600B	GEE	12.07	15.81	7.635	91732
G100YR24HR	13Q1600B	GEE	12.07	21.65	10.619	127595
G002YR24HR	13Q1900B	GEE	12.58	26.83	2.907	290506
G010YR24HR	13Q1900B	GEE	12.58	47.25	5.167	516369
G025YR24HR	13Q1900B	GEE	12.58	61.72	6.809	680437
G100YR24HR	13Q1900B	GEE	12.58	87.09	9.743	973648
G002YR24HR	13Q2290B	GEE	12.50	11.87	1.588	119370
G010YR24HR	13Q2290B	GEE	12.50	26.95	3.431	257910
G025YR24HR	13Q2290B	GEE	12.50	38.56	4.871	366226
G100YR24HR	13Q2290B	GEE	12.42	60.10	7.558	568200
G002YR24HR	13Q2300B	GEE	12.07	25.36	3.753	143736
G010YR24HR	13Q2300B	GEE	12.07	40.39	6.130	234749
G025YR24HR	13Q2300B	GEE	12.07	50.94	7.821	299519
G100YR24HR	13Q2300B	GEE	12.07	69.46	10.812	414070
G002YR24HR	WTRSPRGS	GEE	12.04	37.23	2.562	172791
G010YR24HR	WTRSPRGS	GEE	12.04	67.84	4.746	320126
G025YR24HR	WTRSPRGS	GEE	12.04	89.66	6.355	428630
G100YR24HR	WTRSPRGS	GEE	12.04	127.95	9.252	623993

Appendix D
Existing Conditions
(Hydrologic & Hydraulic Model Data)

D.4 Link Max Comparison Report – Existing Condition

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
12-0102X	12	G002YR24HR	0.00	0.00	0.000	15.83	15.96	15.67	15.83
12-0102X	12	G010YR24HR	0.00	0.00	0.000	16.67	17.33	15.87	17.10
12-0102X	12	G025YR24HR	0.00	0.00	0.000	17.17	18.14	15.88	17.88
12-0102X	12	G100YR24HR	22.17	362.16	0.079	22.17	19.86	20.68	19.19
13A0100	13A	G002YR24HR	15.37	587.12	1.737	15.37	10.21	0.00	8.75
13A0100	13A	G010YR24HR	15.60	1008.46	1.737	15.60	11.75	0.00	8.75
13A0100	13A	G025YR24HR	15.68	1277.22	1.737	15.68	12.69	15.48	9.04
13A0100	13A	G100YR24HR	15.89	1661.99	4.819	15.89	13.60	15.85	10.26
13A0300	13A	G002YR24HR	15.35	585.99	2.411	15.37	10.69	15.37	10.21
13A0300	13A	G010YR24HR	15.54	1006.93	2.411	15.58	12.40	15.60	11.75
13A0300	13A	G025YR24HR	15.63	1275.40	16.480	15.66	13.39	15.68	12.69
13A0300	13A	G100YR24HR	15.90	1658.98	16.460	15.90	14.48	15.89	13.60
13A0400B	13A	G002YR24HR	15.39	570.52	-0.230	15.37	10.87	15.37	10.69
13A0400B	13A	G010YR24HR	15.63	979.96	-0.230	15.58	12.60	15.58	12.40
13A0400B	13A	G025YR24HR	15.73	1240.28	0.325	15.67	13.61	15.66	13.39
13A0400B	13A	G100YR24HR	16.17	1613.09	0.369	15.93	14.73	15.90	14.48
13A0600	13A	G002YR24HR	15.38	570.51	7.989	15.37	11.41	15.37	10.87
13A0600	13A	G010YR24HR	15.61	979.91	7.989	15.59	13.27	15.58	12.60
13A0600	13A	G025YR24HR	15.71	1240.20	7.989	15.68	14.30	15.67	13.61
13A0600	13A	G100YR24HR	16.15	1612.90	7.989	16.03	15.57	15.93	14.73
13A0600G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0700C	13A	G002YR24HR	15.38	199.74	5.845	15.37	11.49	15.37	11.41
13A0700C	13A	G010YR24HR	17.07	341.85	-30.194	15.59	13.53	15.59	13.27
13A0700C	13A	G025YR24HR	15.70	427.21	30.337	15.68	14.84	15.68	14.30
13A0700C	13A	G100YR24HR	16.17	555.78	30.300	16.07	16.47	16.03	15.57
13A0701C	13A	G002YR24HR	15.38	181.60	5.103	15.37	11.49	15.37	11.41
13A0701C	13A	G010YR24HR	17.07	315.65	-24.089	15.59	13.53	15.59	13.27
13A0701C	13A	G025YR24HR	15.70	398.49	23.951	15.68	14.84	15.68	14.30
13A0701C	13A	G100YR24HR	16.17	518.41	23.881	16.07	16.47	16.03	15.57
13A0702C	13A	G002YR24HR	15.38	185.57	5.275	15.37	11.49	15.37	11.41
13A0702C	13A	G010YR24HR	15.60	325.09	-21.756	15.59	13.53	15.59	13.27
13A0702C	13A	G025YR24HR	15.70	407.68	-21.757	15.68	14.84	15.68	14.30
13A0702C	13A	G100YR24HR	16.17	530.38	-21.716	16.07	16.47	16.03	15.57
13A0720S	13A	G002YR24HR	12.83	19.65	0.003	12.83	16.60	12.83	10.50
13A0720S	13A	G010YR24HR	13.12	23.62	0.004	13.60	17.15	14.81	13.43
13A0720S	13A	G025YR24HR	12.46	24.71	0.758	14.26	18.35	15.68	14.84
13A0720S	13A	G100YR24HR	12.05	26.47	0.448	14.71	20.31	16.07	16.47
13A0730D	13A	G002YR24HR	12.85	18.92	0.002	12.85	19.49	12.83	16.60
13A0730D	13A	G010YR24HR	13.18	22.89	-0.003	13.35	20.30	13.60	17.15
13A0730D	13A	G025YR24HR	13.20	22.45	-0.004	13.81	21.30	14.26	18.35
13A0730D	13A	G100YR24HR	13.76	22.37	-0.003	14.41	23.30	14.71	20.31
13A0730W	13A	G002YR24HR	0.00	0.00	0.000	12.85	19.49	15.37	11.49
13A0730W	13A	G010YR24HR	0.00	0.00	0.000	13.35	20.30	15.59	13.53
13A0730W	13A	G025YR24HR	0.00	0.00	0.000	13.81	21.30	15.68	14.84
13A0730W	13A	G100YR24HR	0.00	0.00	0.000	14.41	23.30	16.07	16.47
13A0810W	13A	G002YR24HR	13.88	18.71	0.001	13.88	22.12	15.37	11.49
13A0810W	13A	G010YR24HR	13.84	31.71	0.001	13.84	22.20	15.59	13.53
13A0810W	13A	G025YR24HR	13.82	40.89	0.002	13.82	22.24	15.68	14.84
13A0810W	13A	G100YR24HR	13.80	56.99	0.003	13.80	22.31	16.07	16.47
13A0900	13A	G002YR24HR	15.40	545.98	10.271	15.40	14.37	15.37	11.49
13A0900	13A	G010YR24HR	15.67	941.87	9.960	15.65	15.94	15.59	13.53
13A0900	13A	G025YR24HR	15.75	1183.41	9.812	15.72	16.84	15.68	14.84
13A0900	13A	G100YR24HR	16.30	1546.49	9.745	16.15	18.07	16.07	16.47
13A0950	13A	G002YR24HR	15.31	546.29	0.154	15.36	15.01	15.40	14.37
13A0950	13A	G010YR24HR	15.59	942.01	0.154	15.63	16.50	15.65	15.94
13A0950	13A	G025YR24HR	15.67	1183.46	0.154	15.71	17.34	15.72	16.84
13A0950	13A	G100YR24HR	16.19	1546.08	0.154	16.16	18.46	16.15	18.07
13A1000	13A	G002YR24HR	14.90	380.69	9.805	15.32	15.09	15.36	15.01
13A1000	13A	G010YR24HR	14.93	672.92	9.805	15.60	16.57	15.63	16.50
13A1000	13A	G025YR24HR	14.99	856.20	9.805	15.69	17.39	15.71	17.34
13A1000	13A	G100YR24HR	14.98	1109.74	9.805	16.14	18.50	16.16	18.46
13A1100	13A	G002YR24HR	14.86	378.90	12.217	15.04	15.92	15.32	15.09
13A1100	13A	G010YR24HR	14.89	670.15	12.217	15.30	17.34	15.60	16.57

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A1100	13A	G025YR24HR	14.93	852.45	12.217	15.43	18.06	15.69	17.39
13A1100	13A	G100YR24HR	14.97	1102.16	12.217	15.96	19.03	16.14	18.50
13A1200C	13A	G002YR24HR	14.87	105.36	2.958	14.94	17.01	15.04	15.92
13A1200C	13A	G010YR24HR	14.39	168.10	2.958	15.03	20.09	15.30	17.34
13A1200C	13A	G025YR24HR	13.61	169.05	2.958	15.10	20.77	15.43	18.06
13A1200C	13A	G100YR24HR	12.35	171.66	2.958	15.44	21.51	15.96	19.03
13A1201C	13A	G002YR24HR	14.87	133.10	5.858	14.94	17.01	15.04	15.92
13A1201C	13A	G010YR24HR	14.39	212.36	5.858	15.03	20.09	15.30	17.34
13A1201C	13A	G025YR24HR	13.61	213.56	5.858	15.10	20.77	15.43	18.06
13A1201C	13A	G100YR24HR	12.35	216.85	5.858	15.44	21.51	15.96	19.03
13A1202C	13A	G002YR24HR	14.87	133.10	11.585	14.94	17.01	15.04	15.92
13A1202C	13A	G010YR24HR	14.39	212.36	10.075	15.03	20.09	15.30	17.34
13A1202C	13A	G025YR24HR	13.61	213.56	-10.768	15.10	20.77	15.43	18.06
13A1202C	13A	G100YR24HR	12.35	216.85	-11.307	15.44	21.51	15.96	19.03
13A1400	13A	G002YR24HR	14.83	369.90	9.534	14.88	18.45	14.94	17.01
13A1400	13A	G010YR24HR	14.91	654.57	13.376	14.98	20.80	15.03	20.09
13A1400	13A	G025YR24HR	14.97	832.50	13.844	15.03	21.50	15.10	20.77
13A1400	13A	G100YR24HR	15.16	1075.01	14.062	15.31	22.24	15.44	21.51
13A1500C	13A	G002YR24HR	14.21	114.27	6.885	14.87	18.90	14.88	18.45
13A1500C	13A	G010YR24HR	14.88	215.45	6.885	14.91	23.76	14.98	20.80
13A1500C	13A	G025YR24HR	14.94	273.98	6.885	14.96	26.30	15.03	21.50
13A1500C	13A	G100YR24HR	15.15	353.74	6.885	15.17	30.23	15.31	22.24
13A1501C_1	13A	G002YR24HR	14.74	129.31	5.478	14.87	18.90	14.88	18.45
13A1501C_1	13A	G010YR24HR	14.88	219.08	5.478	14.91	23.76	14.98	20.80
13A1501C_1	13A	G025YR24HR	14.94	278.60	5.478	14.96	26.30	15.03	21.50
13A1501C_1	13A	G100YR24HR	15.15	359.70	5.478	15.17	30.23	15.31	22.24
13A1501C_2	13A	G002YR24HR	14.74	129.31	5.478	14.87	18.90	14.88	18.45
13A1501C_2	13A	G010YR24HR	14.88	219.08	5.478	14.91	23.76	14.98	20.80
13A1501C_2	13A	G025YR24HR	14.94	278.60	5.478	14.96	26.30	15.03	21.50
13A1501C_2	13A	G100YR24HR	15.15	359.70	5.478	15.17	30.23	15.31	22.24
13A1700	13A	G002YR24HR	14.71	368.52	12.979	14.78	21.45	14.87	18.90
13A1700	13A	G010YR24HR	14.77	651.77	103.136	14.88	24.58	14.91	23.76
13A1700	13A	G025YR24HR	14.74	829.67	103.204	14.95	26.59	14.96	26.30
13A1700	13A	G100YR24HR	14.88	1070.32	-103.179	15.17	30.30	15.17	30.23
13A1800	13A	G002YR24HR	14.63	364.12	17.364	14.69	22.76	14.78	21.45
13A1800	13A	G010YR24HR	14.61	645.70	17.364	14.82	25.29	14.88	24.58
13A1800	13A	G025YR24HR	14.46	826.18	17.364	14.90	27.04	14.95	26.59
13A1800	13A	G100YR24HR	14.36	1068.32	17.364	15.15	30.47	15.17	30.30
13A1900	13A	G002YR24HR	14.56	362.87	3.947	14.60	25.32	14.69	22.76
13A1900	13A	G010YR24HR	14.45	645.76	3.947	14.69	26.64	14.82	25.29
13A1900	13A	G025YR24HR	14.30	831.47	3.947	14.81	27.64	14.90	27.04
13A1900	13A	G100YR24HR	14.07	1084.16	-34.628	15.14	30.61	15.15	30.47
13A2000B	13A	G002YR24HR	14.55	360.26	10.317	14.58	26.07	14.60	25.32
13A2000B	13A	G010YR24HR	13.74	506.49	-114.118	14.59	27.55	14.69	26.64
13A2000B	13A	G025YR24HR	12.86	493.76	-109.896	14.66	28.08	14.81	27.64
13A2000B	13A	G100YR24HR	31.22	498.99	-108.392	15.13	30.62	15.14	30.61
13A2200	13A	G002YR24HR	14.58	361.33	41.716	14.58	27.79	14.58	26.07
13A2200	13A	G010YR24HR	14.35	641.64	72.421	13.80	29.46	14.59	27.55
13A2200	13A	G025YR24HR	14.11	830.26	72.118	14.20	29.91	14.66	28.08
13A2200	13A	G100YR24HR	13.83	1123.46	-71.793	14.94	31.37	15.13	30.62
13A2200G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2210D	13A	G002YR24HR	14.12	1.87	0.000	14.12	30.70	14.58	27.79
13A2210D	13A	G010YR24HR	13.16	6.29	0.001	13.16	31.16	13.80	29.46
13A2210D	13A	G025YR24HR	13.02	10.72	0.001	13.02	31.52	14.20	29.91
13A2210D	13A	G100YR24HR	12.68	15.69	0.002	13.07	32.22	14.94	31.37
13A2300	13A	G002YR24HR	14.42	354.04	10.453	14.43	29.50	14.58	27.79
13A2300	13A	G010YR24HR	14.36	627.06	10.453	14.35	31.11	13.80	29.46
13A2300	13A	G025YR24HR	14.21	808.21	10.453	14.21	31.81	14.20	29.91
13A2300	13A	G100YR24HR	13.83	1103.75	10.453	14.23	32.96	14.94	31.37
13A2325B	13A	G002YR24HR	14.36	354.00	9.610	14.42	29.73	14.43	29.50
13A2325B	13A	G010YR24HR	13.62	1109.43	536.882	13.62	31.39	14.35	31.11
13A2325B	13A	G025YR24HR	12.80	1110.04	536.924	14.21	32.08	14.21	31.81
13A2325B	13A	G100YR24HR	12.31	1103.44	537.215	14.16	33.18	14.23	32.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A2400	13A	G002YR24HR	14.29	353.39	10.689	14.35	30.62	14.42	29.73
13A2400	13A	G010YR24HR	13.63	647.43	54.449	13.62	31.85	13.62	31.39
13A2400	13A	G025YR24HR	14.13	805.31	52.042	14.19	32.59	14.21	32.08
13A2400	13A	G100YR24HR	13.83	1104.39	49.279	14.08	33.64	14.16	33.18
13A2500B	13A	G002YR24HR	14.22	353.21	12.334	14.32	31.19	14.35	30.62
13A2500B	13A	G010YR24HR	12.82	623.03	-207.550	14.28	32.68	13.62	31.85
13A2500B	13A	G025YR24HR	12.44	626.99	-207.381	14.14	33.38	14.19	32.59
13A2500B	13A	G100YR24HR	12.43	629.05	-206.778	13.95	34.09	14.08	33.64
13A2750	13A	G002YR24HR	13.94	350.85	8.109	14.18	32.24	14.32	31.19
13A2750	13A	G010YR24HR	14.17	609.97	8.109	14.24	33.34	14.28	32.68
13A2750	13A	G025YR24HR	14.08	783.50	8.109	14.11	33.97	14.14	33.38
13A2750	13A	G100YR24HR	13.83	1069.69	8.109	13.89	34.72	13.95	34.09
13A2800	13A	G002YR24HR	13.47	335.88	16.389	13.66	34.25	14.18	32.24
13A2800	13A	G010YR24HR	13.59	568.66	16.389	13.74	35.29	14.24	33.34
13A2800	13A	G025YR24HR	13.58	720.20	16.389	13.75	35.75	14.11	33.97
13A2800	13A	G100YR24HR	13.64	938.31	16.389	13.74	36.42	13.89	34.72
13A2810D	13A	G002YR24HR	26.40	1.96	-0.609	20.38	33.30	13.66	34.25
13A2810D	13A	G010YR24HR	26.23	1.95	0.015	20.32	34.13	13.74	35.29
13A2810D	13A	G025YR24HR	21.55	2.69	0.019	19.64	34.70	13.75	35.75
13A2810D	13A	G100YR24HR	18.14	6.64	0.029	16.61	35.96	13.74	36.42
13A2900	13A	G002YR24HR	13.28	353.97	20.292	13.31	36.84	13.66	34.25
13A2900	13A	G010YR24HR	13.18	604.09	20.292	13.26	37.65	13.74	35.29
13A2900	13A	G025YR24HR	13.15	766.61	20.292	13.20	38.10	13.75	35.75
13A2900	13A	G100YR24HR	13.07	1011.70	20.292	13.19	38.76	13.74	36.42
13A3000	13A	G002YR24HR	12.80	317.49	13.292	12.92	37.65	13.31	36.84
13A3000	13A	G010YR24HR	12.93	474.59	13.292	13.07	38.49	13.26	37.65
13A3000	13A	G025YR24HR	13.01	567.57	13.292	13.12	38.98	13.20	38.10
13A3000	13A	G100YR24HR	13.21	699.86	13.292	13.20	39.67	13.19	38.76
13A3100C	13A	G002YR24HR	12.09	70.18	55.998	12.91	37.68	12.92	37.65
13A3100C	13A	G010YR24HR	12.25	79.15	55.998	13.06	38.53	13.07	38.49
13A3100C	13A	G025YR24HR	12.29	87.12	55.998	13.10	39.03	13.12	38.98
13A3100C	13A	G100YR24HR	12.17	96.39	55.998	13.19	39.73	13.20	39.67
13A3101C	13A	G002YR24HR	12.09	72.49	59.335	12.91	37.68	12.92	37.65
13A3101C	13A	G010YR24HR	12.25	81.76	59.335	13.06	38.53	13.07	38.49
13A3101C	13A	G025YR24HR	12.29	89.99	59.335	13.10	39.03	13.12	38.98
13A3101C	13A	G100YR24HR	12.17	99.57	59.335	13.19	39.73	13.20	39.67
13A3102C	13A	G002YR24HR	12.09	69.03	55.292	12.91	37.68	12.92	37.65
13A3102C	13A	G010YR24HR	12.25	77.85	55.292	13.06	38.53	13.07	38.49
13A3102C	13A	G025YR24HR	12.29	85.69	55.292	13.10	39.03	13.12	38.98
13A3102C	13A	G100YR24HR	12.17	94.80	55.292	13.19	39.73	13.20	39.67
13A3300	13A	G002YR24HR	12.56	318.20	13.035	12.81	37.93	12.91	37.68
13A3300	13A	G010YR24HR	12.63	478.12	13.035	12.94	38.82	13.06	38.53
13A3300	13A	G025YR24HR	12.49	575.31	13.035	12.97	39.35	13.10	39.03
13A3300	13A	G100YR24HR	12.65	695.94	13.035	13.00	40.22	13.19	39.73
13A3310C	13A	G002YR24HR	12.33	10.65	0.005	12.55	39.87	12.81	37.93
13A3310C	13A	G010YR24HR	12.54	11.60	0.299	12.62	42.01	12.94	38.82
13A3310C	13A	G025YR24HR	12.20	11.84	0.029	12.30	42.19	12.97	39.35
13A3310C	13A	G100YR24HR	12.03	11.84	0.021	12.13	42.36	13.00	40.22
13A3310W	13A	G002YR24HR	0.00	0.00	0.000	12.55	39.87	12.81	37.93
13A3310W	13A	G010YR24HR	12.62	3.24	0.003	12.62	42.01	12.94	38.82
13A3310W	13A	G025YR24HR	12.30	25.02	0.028	12.30	42.19	12.97	39.35
13A3310W	13A	G100YR24HR	12.13	55.31	0.059	12.13	42.36	13.00	40.22
13A3400	13A	G002YR24HR	12.55	307.21	12.086	12.64	38.98	12.81	37.93
13A3400	13A	G010YR24HR	12.64	460.19	12.086	12.74	40.10	12.94	38.82
13A3400	13A	G025YR24HR	12.66	548.66	12.086	12.79	40.62	12.97	39.35
13A3400	13A	G100YR24HR	12.87	666.57	12.086	12.88	41.27	13.00	40.22
13A3410W	13A	G002YR24HR	0.00	0.00	0.000	25.50	47.61	12.64	38.98
13A3410W	13A	G010YR24HR	32.10	0.22	0.000	32.10	48.76	12.74	40.10
13A3410W	13A	G025YR24HR	19.66	5.04	0.000	19.66	48.85	12.79	40.62
13A3410W	13A	G100YR24HR	15.73	15.01	0.001	15.73	48.96	12.88	41.27
13A3430W	13A	G002YR24HR	0.00	0.00	0.000	38.50	50.05	25.50	47.61
13A3430W	13A	G010YR24HR	19.96	2.40	0.000	19.96	50.61	32.10	48.76
13A3430W	13A	G025YR24HR	16.88	5.61	0.001	16.88	50.68	19.66	48.85
13A3430W	13A	G100YR24HR	15.14	13.58	0.002	15.14	50.77	15.73	48.96
13A3500C_1	13A	G002YR24HR	12.68	90.98	7.816	12.64	39.08	12.64	38.98

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3500C_1	13A	G010YR24HR	12.94	133.42	7.816	12.76	40.32	12.74	40.10
13A3500C_1	13A	G025YR24HR	13.84	141.12	7.816	12.83	40.85	12.79	40.62
13A3500C_1	13A	G100YR24HR	28.81	160.89	7.816	12.98	41.50	12.88	41.27
13A3500C_2	13A	G002YR24HR	12.68	90.98	7.816	12.64	39.08	12.64	38.98
13A3500C_2	13A	G010YR24HR	12.94	133.42	7.816	12.76	40.32	12.74	40.10
13A3500C_2	13A	G025YR24HR	13.84	141.12	7.816	12.83	40.85	12.79	40.62
13A3500C_2	13A	G100YR24HR	28.81	160.89	7.816	12.98	41.50	12.88	41.27
13A3501C	13A	G002YR24HR	12.68	85.83	11.290	12.64	39.08	12.64	38.98
13A3501C	13A	G010YR24HR	12.94	125.86	11.290	12.76	40.32	12.74	40.10
13A3501C	13A	G025YR24HR	13.84	133.13	11.290	12.83	40.85	12.79	40.62
13A3501C	13A	G100YR24HR	28.81	151.78	11.290	12.98	41.50	12.88	41.27
13A3700	13A	G002YR24HR	12.69	260.52	5.513	12.67	39.90	12.64	39.08
13A3700	13A	G010YR24HR	12.90	391.54	5.513	12.81	40.95	12.76	40.32
13A3700	13A	G025YR24HR	13.07	468.46	5.513	12.92	41.47	12.83	40.85
13A3700	13A	G100YR24HR	13.27	578.40	5.513	13.11	42.11	12.98	41.50
13A3800C_1	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_1	13A	G010YR24HR	12.86	130.32	7.918	12.82	41.04	12.81	40.95
13A3800C_1	13A	G025YR24HR	13.29	156.90	7.918	12.93	41.56	12.92	41.47
13A3800C_1	13A	G100YR24HR	13.25	192.57	7.918	13.15	42.51	13.11	42.11
13A3800C_2	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_2	13A	G010YR24HR	12.86	130.32	7.918	12.82	41.04	12.81	40.95
13A3800C_2	13A	G025YR24HR	13.29	156.90	7.918	12.93	41.56	12.92	41.47
13A3800C_2	13A	G100YR24HR	13.25	192.57	7.918	13.15	42.51	13.11	42.11
13A3800C_3	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_3	13A	G010YR24HR	12.86	130.32	7.918	12.82	41.04	12.81	40.95
13A3800C_3	13A	G025YR24HR	13.29	156.90	7.918	12.93	41.56	12.92	41.47
13A3800C_3	13A	G100YR24HR	13.25	192.57	7.918	13.15	42.51	13.11	42.11
13A3905C	13A	G002YR24HR	11.21	3.52	1.981	12.67	40.00	12.67	39.99
13A3905C	13A	G010YR24HR	11.72	4.10	1.981	12.82	41.05	12.82	41.04
13A3905C	13A	G025YR24HR	8.12	3.31	1.981	12.93	41.57	12.93	41.56
13A3905C	13A	G100YR24HR	6.40	3.35	1.981	13.15	42.52	13.15	42.51
13A3905W	13A	G002YR24HR	12.53	8.34	-0.072	12.67	40.00	12.67	39.99
13A3905W	13A	G010YR24HR	12.49	12.88	0.062	12.82	41.05	12.82	41.04
13A3905W	13A	G025YR24HR	12.34	25.09	-0.346	12.93	41.57	12.93	41.56
13A3905W	13A	G100YR24HR	12.12	45.08	1.658	13.15	42.52	13.15	42.51
13A3915C	13A	G002YR24HR	12.16	1.66	0.001	12.16	41.17	2.35	41.51
13A3915C	13A	G010YR24HR	12.13	2.01	0.001	12.13	41.25	1.56	41.51
13A3915C	13A	G025YR24HR	12.14	2.21	-0.001	12.93	41.58	12.93	41.56
13A3915C	13A	G100YR24HR	12.07	2.45	-0.148	13.15	42.52	13.15	42.51
13A3915W	13A	G002YR24HR	12.16	105.34	0.026	12.16	41.17	12.67	39.99
13A3915W	13A	G010YR24HR	12.13	172.10	0.025	12.13	41.25	12.82	41.04
13A3915W	13A	G025YR24HR	12.14	213.13	0.210	12.93	41.58	12.93	41.56
13A3915W	13A	G100YR24HR	12.08	269.06	-0.394	13.15	42.52	13.15	42.51
13A3925S	13A	G002YR24HR	12.10	58.37	-0.677	12.11	42.29	12.16	41.17
13A3925S	13A	G010YR24HR	12.09	88.37	0.610	12.09	43.82	12.13	41.25
13A3925S	13A	G025YR24HR	12.15	103.58	0.611	12.15	44.84	12.93	41.58
13A3925S	13A	G100YR24HR	12.20	120.76	1.345	12.36	46.53	13.15	42.52
13A3935S	13A	G002YR24HR	12.37	25.43	0.237	12.11	42.46	12.11	42.29
13A3935S	13A	G010YR24HR	13.23	48.02	-2.649	12.09	44.07	12.09	43.82
13A3935S	13A	G025YR24HR	14.51	52.90	-2.736	12.46	45.23	12.15	44.84
13A3935S	13A	G100YR24HR	15.01	56.74	-2.419	12.63	47.31	12.36	46.53
13A3945S	13A	G002YR24HR	12.38	19.27	0.094	12.11	42.50	12.11	42.46
13A3945S	13A	G010YR24HR	13.43	46.22	-1.440	12.63	44.29	12.09	44.07
13A3945S	13A	G025YR24HR	14.54	51.39	-1.396	12.59	45.66	12.46	45.23
13A3945S	13A	G100YR24HR	15.26	55.08	-1.742	12.72	47.77	12.63	47.31
13A3951S	13A	G002YR24HR	18.54	3.67	0.001	18.66	45.43	18.54	42.61
13A3951S	13A	G010YR24HR	14.57	5.09	-0.098	20.41	47.13	12.63	44.29
13A3951S	13A	G025YR24HR	17.08	5.78	0.034	22.28	47.85	12.59	45.66
13A3951S	13A	G100YR24HR	24.50	6.49	-0.057	24.41	48.97	12.72	47.77
13A3975S	13A	G002YR24HR	13.01	9.26	0.252	12.11	42.49	12.11	42.50
13A3975S	13A	G010YR24HR	13.75	39.04	0.212	12.96	44.62	12.63	44.29
13A3975S	13A	G025YR24HR	14.84	44.31	0.297	12.95	45.96	12.59	45.66
13A3975S	13A	G100YR24HR	15.77	48.14	0.730	12.91	47.97	12.72	47.77
13A3985S	13A	G002YR24HR	13.08	9.16	0.126	13.10	42.83	13.08	42.68
13A3985S	13A	G010YR24HR	13.75	38.93	0.307	13.08	44.80	14.05	44.95
13A3985S	13A	G025YR24HR	14.84	44.27	-0.258	13.27	46.43	12.95	45.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3985S	13A	G100YR24HR	15.77	48.10	-0.611	13.65	48.43	12.91	47.97
13A4000	13A	G002YR24HR	12.92	196.70	81.236	12.76	40.38	12.67	39.99
13A4000	13A	G010YR24HR	13.07	293.34	81.221	12.87	41.27	12.82	41.04
13A4000	13A	G025YR24HR	31.88	368.12	81.227	12.95	41.75	12.93	41.56
13A4000	13A	G100YR24HR	28.10	556.61	-81.236	13.15	42.65	13.15	42.51
13A4100	13A	G002YR24HR	12.50	191.41	12.038	12.68	40.72	12.76	40.38
13A4100	13A	G010YR24HR	34.40	272.01	12.038	12.85	41.52	12.87	41.27
13A4100	13A	G025YR24HR	31.63	342.26	12.038	12.92	42.02	12.95	41.75
13A4100	13A	G100YR24HR	27.46	539.23	12.038	13.11	42.89	13.15	42.65
13A4110C	13A	G002YR24HR	13.42	8.51	-7.592	12.92	40.44	12.76	40.38
13A4110C	13A	G010YR24HR	12.82	20.81	-0.186	12.87	41.51	12.87	41.27
13A4110C	13A	G025YR24HR	31.76	25.84	-0.128	12.92	42.02	12.95	41.75
13A4110C	13A	G100YR24HR	55.86	26.59	-0.079	13.11	42.89	13.15	42.65
13A4110W	13A	G002YR24HR	0.00	0.00	0.000	12.92	40.44	12.68	40.72
13A4110W	13A	G010YR24HR	0.00	0.00	0.011	12.87	41.51	12.85	41.52
13A4110W	13A	G025YR24HR	13.84	1.29	-0.274	12.92	42.02	12.92	42.02
13A4110W	13A	G100YR24HR	13.57	3.50	0.673	13.11	42.89	13.11	42.89
13A4200	13A	G002YR24HR	12.44	194.33	11.539	12.46	42.23	12.68	40.72
13A4200	13A	G010YR24HR	12.44	289.28	11.539	12.50	43.06	12.85	41.52
13A4200	13A	G025YR24HR	31.44	368.12	11.539	12.73	43.56	12.92	42.02
13A4200	13A	G100YR24HR	27.30	558.16	11.539	27.41	44.72	13.11	42.89
13A4300	13A	G002YR24HR	12.44	189.76	12.770	12.44	43.79	12.46	42.23
13A4300	13A	G010YR24HR	12.45	282.22	12.770	12.45	44.77	12.50	43.06
13A4300	13A	G025YR24HR	31.41	368.12	12.770	31.42	45.47	12.73	43.56
13A4300	13A	G100YR24HR	27.23	558.27	12.770	27.23	46.65	27.41	44.72
13A4400	13A	G002YR24HR	12.71	157.31	13.443	12.55	44.39	12.44	43.79
13A4400	13A	G010YR24HR	34.38	277.21	13.443	34.39	45.54	12.45	44.77
13A4400	13A	G025YR24HR	31.14	368.14	13.443	31.21	46.33	31.42	45.47
13A4400	13A	G100YR24HR	26.83	558.99	13.443	27.09	47.44	27.23	46.65
13A4500W	13A	G002YR24HR	12.61	151.52	9.407	12.56	44.76	12.55	44.39
13A4500W	13A	G010YR24HR	34.75	253.53	9.407	34.49	46.01	34.39	45.54
13A4500W	13A	G025YR24HR	33.32	334.55	9.407	31.87	46.84	31.21	46.33
13A4500W	13A	G100YR24HR	27.48	492.54	9.407	27.13	48.08	27.09	47.44
13A4700	13A	G002YR24HR	12.56	151.38	5.921	12.56	45.58	12.56	44.76
13A4700	13A	G010YR24HR	34.66	253.51	5.921	34.55	46.62	34.49	46.01
13A4700	13A	G025YR24HR	33.23	334.45	5.921	32.27	47.27	31.87	46.84
13A4700	13A	G100YR24HR	26.20	495.38	5.921	27.13	48.43	27.13	48.08
13A4800	13A	G002YR24HR	38.28	141.03	9.611	12.57	45.65	12.56	45.58
13A4800	13A	G010YR24HR	34.42	253.51	9.611	34.54	46.71	34.55	46.62
13A4800	13A	G025YR24HR	33.00	334.32	9.611	32.31	47.33	32.27	47.27
13A4800	13A	G100YR24HR	63.27	871.46	543.626	27.09	48.67	27.13	48.43
13A4900B	13A	G002YR24HR	38.27	141.03	9.724	12.58	45.93	12.57	45.65
13A4900B	13A	G010YR24HR	34.40	253.51	9.724	34.50	47.17	34.54	46.71
13A4900B	13A	G025YR24HR	32.98	334.32	9.724	32.52	47.88	32.31	47.33
13A4900B	13A	G100YR24HR	26.13	602.95	-181.306	26.13	49.38	27.09	48.67
13A5050	13A	G002YR24HR	38.24	141.03	12.601	38.24	46.19	12.58	45.93
13A5050	13A	G010YR24HR	34.36	253.52	12.601	34.45	47.49	34.50	47.17
13A5050	13A	G025YR24HR	32.93	334.31	12.601	32.65	48.20	32.52	47.88
13A5050	13A	G100YR24HR	26.14	529.95	12.601	26.13	49.52	26.13	49.38
13A5100	13A	G002YR24HR	38.04	141.03	11.219	38.17	46.51	38.24	46.19
13A5100	13A	G010YR24HR	33.84	242.48	11.219	34.35	47.79	34.45	47.49
13A5100	13A	G025YR24HR	32.78	275.34	11.219	32.67	48.41	32.65	48.20
13A5100	13A	G100YR24HR	26.17	417.52	11.219	26.13	49.66	26.13	49.52
13A5200	13A	G002YR24HR	38.00	141.03	11.231	38.06	47.20	38.17	46.51
13A5200	13A	G010YR24HR	33.74	242.49	11.231	34.13	48.53	34.35	47.79
13A5200	13A	G025YR24HR	32.70	275.34	-11.369	32.68	49.09	32.67	48.41
13A5200	13A	G100YR24HR	26.35	416.25	11.231	26.16	50.27	26.13	49.66
13A5300	13A	G002YR24HR	33.75	142.37	11.877	36.39	47.56	38.06	47.20
13A5300	13A	G010YR24HR	31.17	255.88	11.877	32.74	48.98	34.13	48.53
13A5300	13A	G025YR24HR	29.90	337.14	11.877	30.90	49.64	32.68	49.09
13A5300	13A	G100YR24HR	26.40	487.03	11.877	26.18	50.65	26.16	50.27
13A5310D	13A	G002YR24HR	12.96	2.05	0.001	12.96	49.48	36.39	47.56
13A5310D	13A	G010YR24HR	12.44	11.86	0.004	12.44	51.05	32.74	48.98
13A5310D	13A	G025YR24HR	12.29	22.11	0.376	12.30	51.54	30.90	49.64
13A5310D	13A	G100YR24HR	11.98	23.39	-0.088	12.10	51.85	26.18	50.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A5310W	13A	G002YR24HR	0.00	0.00	0.000	12.96	49.48	36.39	47.56
13A5310W	13A	G010YR24HR	0.00	0.00	0.000	12.44	51.05	32.74	48.98
13A5310W	13A	G025YR24HR	0.00	0.00	0.000	12.30	51.54	30.90	49.64
13A5310W	13A	G100YR24HR	12.10	23.77	0.033	12.10	51.85	26.18	50.65
13A5400	13A	G002YR24HR	33.73	142.38	12.697	34.66	48.39	36.39	47.56
13A5400	13A	G010YR24HR	31.14	255.90	12.697	31.78	50.02	32.74	48.98
13A5400	13A	G025YR24HR	29.87	337.17	12.697	30.16	50.92	30.90	49.64
13A5400	13A	G100YR24HR	26.40	486.97	12.697	26.32	52.34	26.18	50.65
13A5500	13A	G002YR24HR	33.68	142.38	12.113	34.35	48.79	34.66	48.39
13A5500	13A	G010YR24HR	31.10	255.91	12.113	31.62	50.40	31.78	50.02
13A5500	13A	G025YR24HR	29.83	337.18	12.113	30.08	51.32	30.16	50.92
13A5500	13A	G100YR24HR	26.36	486.95	12.113	26.32	52.80	26.32	52.34
13A5600	13A	G002YR24HR	33.64	142.39	21.947	34.18	49.06	34.35	48.79
13A5600	13A	G010YR24HR	31.02	255.47	21.947	31.56	50.59	31.62	50.40
13A5600	13A	G025YR24HR	23.24	336.07	-28.174	30.06	51.45	30.08	51.32
13A5600	13A	G100YR24HR	18.49	567.35	221.773	26.33	52.81	26.32	52.80
13A5700B	13A	G002YR24HR	33.62	142.39	11.962	33.87	49.93	34.18	49.06
13A5700B	13A	G010YR24HR	30.99	255.48	11.962	31.37	51.36	31.56	50.59
13A5700B	13A	G025YR24HR	29.65	322.99	11.962	29.95	52.29	30.06	51.45
13A5700B	13A	G100YR24HR	47.98	342.45	-12.884	26.38	53.39	26.33	52.81
13A5900W	13A	G002YR24HR	33.61	142.39	47.328	33.67	51.50	33.87	49.93
13A5900W	13A	G010YR24HR	30.97	255.48	47.328	31.14	52.50	31.37	51.36
13A5900W	13A	G025YR24HR	29.62	322.99	47.328	29.87	52.99	29.95	52.29
13A5900W	13A	G100YR24HR	26.54	424.85	47.328	26.42	53.78	26.38	53.39
13A5910W	13A	G002YR24HR	0.00	0.00	0.000	33.67	51.50	34.35	48.79
13A5910W	13A	G010YR24HR	31.14	0.46	0.000	31.14	52.50	31.62	50.40
13A5910W	13A	G025YR24HR	29.87	14.23	0.000	29.87	52.99	30.08	51.32
13A5910W	13A	G100YR24HR	26.42	55.08	0.001	26.42	53.78	26.32	52.80
13A6200	13A	G002YR24HR	31.32	142.78	0.921	33.22	51.70	33.67	51.50
13A6200	13A	G010YR24HR	29.22	256.84	1.393	30.65	52.75	31.14	52.50
13A6200	13A	G025YR24HR	28.31	339.04	1.768	29.37	53.25	29.87	52.99
13A6200	13A	G100YR24HR	25.74	482.98	2.583	26.18	53.95	26.42	53.78
13B0200W	13B	G002YR24HR	12.47	58.28	0.008	12.47	15.58	15.37	10.69
13B0200W	13B	G010YR24HR	12.43	113.37	0.019	12.43	15.94	15.58	12.40
13B0200W	13B	G025YR24HR	12.45	154.19	0.023	12.45	16.15	15.66	13.39
13B0200W	13B	G100YR24HR	12.53	214.31	0.027	12.53	16.42	15.90	14.48
13B0300C	13B	G002YR24HR	12.46	55.18	-1.232	12.47	15.94	12.47	15.58
13B0300C	13B	G010YR24HR	12.41	104.95	1.403	12.42	17.24	12.43	15.94
13B0300C	13B	G025YR24HR	12.42	140.98	1.403	12.43	18.49	12.45	16.15
13B0300C	13B	G100YR24HR	12.50	190.93	-1.232	12.50	20.71	12.53	16.42
13B0500	13B	G002YR24HR	12.42	55.88	1.815	12.42	18.63	12.47	15.94
13B0500	13B	G010YR24HR	12.35	102.96	1.805	12.33	19.27	12.42	17.24
13B0500	13B	G025YR24HR	12.32	135.55	1.796	12.38	19.69	12.43	18.49
13B0500	13B	G100YR24HR	12.36	178.53	1.764	12.49	21.04	12.50	20.71
13B0600	13B	G002YR24HR	12.34	57.82	11.642	12.26	22.13	12.42	18.63
13B0600	13B	G010YR24HR	12.26	98.63	12.851	12.09	22.52	12.33	19.27
13B0600	13B	G025YR24HR	12.26	130.01	12.669	12.25	22.70	12.38	19.69
13B0600	13B	G100YR24HR	12.26	185.29	11.644	12.27	23.03	12.49	21.04
13C0100	13C	G002YR24HR	16.12	179.93	-6.811	15.37	15.02	15.36	15.01
13C0100	13C	G010YR24HR	18.33	305.64	-6.854	15.63	16.51	15.63	16.50
13C0100	13C	G025YR24HR	17.85	376.35	-6.950	15.71	17.35	15.71	17.34
13C0100	13C	G100YR24HR	22.27	665.24	-7.081	16.16	18.47	16.16	18.46
13C0200	13C	G002YR24HR	16.01	174.78	0.030	15.41	15.11	15.37	15.02
13C0200	13C	G010YR24HR	18.04	295.20	0.030	15.65	16.54	15.63	16.51
13C0200	13C	G025YR24HR	17.81	365.04	0.030	15.72	17.37	15.71	17.35
13C0200	13C	G100YR24HR	22.25	660.00	-0.035	16.17	18.49	16.16	18.47
13C0300	13C	G002YR24HR	15.92	173.18	-7.785	15.54	15.36	15.41	15.11
13C0300	13C	G010YR24HR	17.97	291.42	-7.594	15.68	16.65	15.65	16.54
13C0300	13C	G025YR24HR	17.78	360.90	-7.867	15.76	17.44	15.72	17.37
13C0300	13C	G100YR24HR	22.25	658.71	-8.718	16.21	18.55	16.17	18.49
13C0400D	13C	G002YR24HR	12.18	46.06	-2.541	15.65	15.73	15.54	15.36
13C0400D	13C	G010YR24HR	11.88	44.44	-1.799	15.85	16.99	15.68	16.65
13C0400D	13C	G025YR24HR	11.79	41.71	1.851	15.86	17.78	15.76	17.44
13C0400D	13C	G100YR24HR	22.51	53.60	-1.764	18.09	19.03	16.21	18.55
13C0401D	13C	G002YR24HR	12.19	43.07	-0.445	15.65	15.73	15.54	15.36
13C0401D	13C	G010YR24HR	11.91	41.74	-0.441	15.85	16.99	15.68	16.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C0401D	13C	G025YR24HR	11.81	39.45	-0.442	15.86	17.78	15.76	17.44
13C0401D	13C	G100YR24HR	22.50	53.36	-0.445	18.09	19.03	16.21	18.55
13C0600	13C	G002YR24HR	15.83	171.82	0.052	15.67	15.83	15.65	15.73
13C0600	13C	G010YR24HR	17.82	286.74	0.052	15.87	17.10	15.85	16.99
13C0600	13C	G025YR24HR	17.70	353.83	0.052	15.88	17.88	15.86	17.78
13C0600	13C	G100YR24HR	22.18	656.06	0.052	20.68	19.19	18.09	19.03
13C0650C	13C	G002YR24HR	20.22	94.48	-11.405	15.83	15.96	15.67	15.83
13C0650C	13C	G010YR24HR	22.94	152.64	-11.405	16.67	17.33	15.87	17.10
13C0650C	13C	G025YR24HR	27.41	213.55	-11.405	17.17	18.14	15.88	17.88
13C0650C	13C	G100YR24HR	32.81	266.49	-11.405	22.17	19.86	20.68	19.19
13C0800	13C	G002YR24HR	15.04	110.65	0.344	15.22	16.96	15.67	15.83
13C0800	13C	G010YR24HR	15.20	212.71	0.344	15.39	17.78	15.87	17.10
13C0800	13C	G025YR24HR	14.64	300.12	0.344	15.40	18.34	15.88	17.88
13C0800	13C	G100YR24HR	14.33	456.17	0.344	17.69	19.36	20.68	19.19
13C0900C	13C	G002YR24HR	14.96	111.09	-0.521	15.11	17.31	15.22	16.96
13C0900C	13C	G010YR24HR	15.00	205.69	-0.531	15.15	19.56	15.39	17.78
13C0900C	13C	G025YR24HR	12.56	216.54	-0.533	14.65	19.95	15.40	18.34
13C0900C	13C	G100YR24HR	12.21	227.51	-0.538	14.32	20.30	17.69	19.36
13C1100	13C	G002YR24HR	14.88	110.25	-12.461	14.88	19.82	15.11	17.31
13C1100	13C	G010YR24HR	14.96	214.17	-12.489	15.03	21.02	15.15	19.56
13C1100	13C	G025YR24HR	14.50	304.46	-12.500	14.52	21.48	14.65	19.95
13C1100	13C	G100YR24HR	14.17	469.36	-12.540	14.18	22.05	14.32	20.30
13C1200	13C	G002YR24HR	14.70	106.01	-11.696	14.58	23.64	14.88	19.82
13C1200	13C	G010YR24HR	14.76	210.37	-12.421	14.35	24.19	15.03	21.02
13C1200	13C	G025YR24HR	14.27	296.20	-12.069	14.11	24.47	14.52	21.48
13C1200	13C	G100YR24HR	14.04	454.20	-11.501	13.89	24.91	14.18	22.05
13C1300	13C	G002YR24HR	14.30	105.40	-0.916	14.05	25.13	14.58	23.64
13C1300	13C	G010YR24HR	14.72	207.05	-3.790	14.45	25.72	14.35	24.19
13C1300	13C	G025YR24HR	14.13	290.79	2.455	14.14	26.04	14.11	24.47
13C1300	13C	G100YR24HR	13.93	446.10	2.678	13.94	26.52	13.89	24.91
13C1350	13C	G002YR24HR	14.26	102.63	0.974	14.26	26.26	14.05	25.13
13C1350	13C	G010YR24HR	14.31	203.83	1.296	14.31	26.82	14.45	25.72
13C1350	13C	G025YR24HR	14.05	287.82	1.266	14.06	27.17	14.14	26.04
13C1350	13C	G100YR24HR	13.81	436.80	1.291	13.83	27.63	13.94	26.52
13C1350W_1	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_1	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_1	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_1	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_2	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_2	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_2	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_2	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_3	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_3	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_3	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_3	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_4	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_4	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_4	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_4	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1400	13C	G002YR24HR	13.64	58.32	0.173	13.85	27.11	14.26	26.26
13C1400	13C	G010YR24HR	13.82	113.45	0.173	13.98	27.55	14.31	26.82
13C1400	13C	G025YR24HR	13.36	176.59	0.173	13.61	27.83	14.06	27.17
13C1400	13C	G100YR24HR	13.08	288.54	0.173	13.35	28.21	13.83	27.63
13C1500	13C	G002YR24HR	13.60	57.44	1.595	13.58	28.08	13.85	27.11
13C1500	13C	G010YR24HR	13.68	113.06	1.595	13.62	28.72	13.98	27.55
13C1500	13C	G025YR24HR	13.29	177.14	1.595	13.21	29.15	13.61	27.83
13C1500	13C	G100YR24HR	13.04	288.67	1.595	12.92	29.60	13.35	28.21
13C1500X	13C	G002YR24HR	0.00	0.00	0.000	13.58	28.08	14.05	25.13
13C1500X	13C	G010YR24HR	0.00	0.00	0.000	13.62	28.72	14.45	25.72
13C1500X	13C	G025YR24HR	0.00	0.00	0.000	13.21	29.15	14.14	26.04
13C1500X	13C	G100YR24HR	0.00	0.00	0.000	12.92	29.60	13.94	26.52
13C1600C	13C	G002YR24HR	13.55	57.44	3.627	13.55	28.88	12.61	28.49
13C1600C	13C	G010YR24HR	13.19	83.16	3.627	13.62	30.13	13.62	28.72
13C1600C	13C	G025YR24HR	12.62	84.04	3.627	13.23	30.35	13.21	29.15
13C1600C	13C	G100YR24HR	12.28	84.99	3.627	12.99	30.58	12.92	29.60

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C1800	13C	G002YR24HR	13.22	56.65	0.826	13.48	29.22	13.55	28.88
13C1800	13C	G010YR24HR	13.44	111.89	3.360	13.59	30.24	13.62	30.13
13C1800	13C	G025YR24HR	13.18	173.56	3.369	13.21	30.52	13.23	30.35
13C1800	13C	G100YR24HR	12.98	280.68	3.383	12.98	30.85	12.99	30.58
13C1850	13C	G002YR24HR	13.71	34.24	-5.191	13.55	29.41	13.48	29.22
13C1850	13C	G010YR24HR	14.31	64.77	-6.354	13.65	30.34	13.59	30.24
13C1850	13C	G025YR24HR	13.59	88.91	4.798	13.31	30.64	13.21	30.52
13C1850	13C	G100YR24HR	13.52	133.71	5.388	13.15	31.00	12.98	30.85
13C1900	13C	G002YR24HR	14.82	16.05	0.588	13.93	29.49	13.55	29.41
13C1900	13C	G010YR24HR	14.69	36.35	0.565	14.05	30.38	13.65	30.34
13C1900	13C	G025YR24HR	14.68	52.03	0.565	13.41	30.67	13.31	30.64
13C1900	13C	G100YR24HR	14.63	80.03	0.622	13.32	31.04	13.15	31.00
13C2000	13C	G002YR24HR	12.72	100.21	-94.811	13.48	31.28	13.93	29.49
13C2000	13C	G010YR24HR	31.74	25.87	-19.736	13.62	31.52	14.05	30.38
13C2000	13C	G025YR24HR	44.44	25.49	-19.356	13.58	31.66	13.41	30.67
13C2000	13C	G100YR24HR	11.71	112.98	-107.645	13.47	31.90	13.32	31.04
13C2100C	13C	G002YR24HR	13.14	10.23	0.241	13.16	31.96	13.14	31.12
13C2100C	13C	G010YR24HR	13.23	19.17	0.241	13.24	32.79	13.23	31.71
13C2100C	13C	G025YR24HR	13.36	25.04	0.241	13.37	33.32	13.04	32.45
13C2100C	13C	G100YR24HR	13.35	32.55	0.241	13.35	34.14	12.42	32.45
13C2300W	13C	G002YR24HR	24.12	2.66	-0.001	23.79	31.94	13.16	31.96
13C2300W	13C	G010YR24HR	26.26	6.35	0.042	20.43	32.80	13.24	32.79
13C2300W	13C	G025YR24HR	26.31	7.80	0.046	21.20	33.50	13.37	33.32
13C2300W	13C	G100YR24HR	26.67	10.01	-0.790	22.82	34.78	13.35	34.14
13C2301W	13C	G002YR24HR	0.00	0.00	0.000	23.79	31.94	13.16	31.96
13C2301W	13C	G010YR24HR	0.00	0.00	0.000	20.43	32.80	13.24	32.79
13C2301W	13C	G025YR24HR	0.00	0.00	0.000	21.20	33.50	13.37	33.32
13C2301W	13C	G100YR24HR	0.00	0.00	0.000	22.82	34.78	13.35	34.14
13D0150	13D	G002YR24HR	12.36	159.36	-0.821	14.17	32.24	14.18	32.24
13D0150	13D	G010YR24HR	12.26	295.37	-1.914	14.24	33.35	14.24	33.34
13D0150	13D	G025YR24HR	12.26	381.18	-2.251	14.11	33.97	14.11	33.97
13D0150	13D	G100YR24HR	12.24	540.66	-3.135	13.88	34.72	13.89	34.72
13D0150W	13D	G002YR24HR	0.00	0.00	0.000	14.17	32.24	14.18	32.24
13D0150W	13D	G010YR24HR	0.00	0.00	0.000	14.24	33.35	14.24	33.34
13D0150W	13D	G025YR24HR	13.19	36.70	0.021	14.11	33.97	14.11	33.97
13D0150W	13D	G100YR24HR	12.54	189.23	0.075	13.88	34.72	13.89	34.72
13D0160C_1	13D	G002YR24HR	12.07	0.59	-0.018	14.30	32.25	14.17	32.24
13D0160C_1	13D	G010YR24HR	11.27	0.35	-0.008	14.41	33.36	14.24	33.35
13D0160C_1	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_1	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_2	13D	G002YR24HR	12.07	0.59	-0.018	14.30	32.25	14.17	32.24
13D0160C_2	13D	G010YR24HR	11.27	0.35	-0.008	14.41	33.36	14.24	33.35
13D0160C_2	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_2	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_3	13D	G002YR24HR	12.07	0.59	-0.018	14.30	32.25	14.17	32.24
13D0160C_3	13D	G010YR24HR	11.27	0.35	-0.008	14.41	33.36	14.24	33.35
13D0160C_3	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_3	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_4	13D	G002YR24HR	12.07	0.59	-0.018	14.30	32.25	14.17	32.24
13D0160C_4	13D	G010YR24HR	11.27	0.35	-0.008	14.41	33.36	14.24	33.35
13D0160C_4	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_4	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_5	13D	G002YR24HR	12.07	0.59	-0.018	14.30	32.25	14.17	32.24
13D0160C_5	13D	G010YR24HR	11.27	0.35	-0.008	14.41	33.36	14.24	33.35
13D0160C_5	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_5	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160W	13D	G002YR24HR	15.56	3.93	-0.001	14.30	32.25	14.17	32.24
13D0160W	13D	G010YR24HR	15.81	9.48	-0.005	14.41	33.36	14.24	33.35
13D0160W	13D	G025YR24HR	16.40	11.42	-0.006	14.30	33.98	14.11	33.97
13D0160W	13D	G100YR24HR	16.03	11.71	-0.008	14.10	34.74	13.88	34.72
13D0200	13D	G002YR24HR	12.35	166.60	-0.081	12.36	33.44	14.17	32.24
13D0200	13D	G010YR24HR	12.26	320.04	-0.329	12.27	34.73	14.24	33.35
13D0200	13D	G025YR24HR	12.25	422.81	0.432	12.26	35.38	14.11	33.97
13D0200	13D	G100YR24HR	12.23	602.90	0.724	12.25	36.24	13.88	34.72
13D0300S	13D	G002YR24HR	12.31	85.84	3.812	12.31	37.15	12.31	33.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13D0300S	13D	G010YR24HR	12.23	90.68	3.788	12.23	37.45	12.23	33.63
13D0300S	13D	G025YR24HR	12.20	93.34	4.038	12.20	37.62	15.85	33.69
13D0300S	13D	G100YR24HR	12.06	96.15	9.191	12.22	38.07	12.25	36.24
13D0320S	13D	G002YR24HR	12.39	84.39	3.704	12.34	38.82	12.31	37.15
13D0320S	13D	G010YR24HR	12.28	87.78	-3.697	12.25	39.26	12.23	37.45
13D0320S	13D	G025YR24HR	12.28	89.47	3.681	12.24	39.50	12.20	37.62
13D0320S	13D	G100YR24HR	12.57	90.76	3.704	12.22	39.88	12.22	38.07
13D0340S	13D	G002YR24HR	13.36	55.88	-0.220	12.35	38.92	12.34	38.82
13D0340S	13D	G010YR24HR	13.99	56.33	-0.219	12.25	39.38	12.25	39.26
13D0340S	13D	G025YR24HR	14.28	56.87	-0.209	12.23	39.64	12.24	39.50
13D0340S	13D	G100YR24HR	14.91	56.37	0.214	12.22	40.05	12.22	39.88
13D0500	13D	G002YR24HR	12.37	118.56	3.926	12.35	39.00	12.35	38.92
13D0500	13D	G010YR24HR	12.25	229.41	3.922	12.25	39.56	12.25	39.38
13D0500	13D	G025YR24HR	12.22	303.56	3.922	12.23	39.89	12.23	39.64
13D0500	13D	G100YR24HR	12.21	433.19	3.922	12.21	40.28	12.22	40.05
13D0600C	13D	G002YR24HR	12.41	94.27	-0.097	12.40	40.26	12.35	39.00
13D0600C	13D	G010YR24HR	12.67	121.37	-0.097	12.25	41.54	12.25	39.56
13D0600C	13D	G025YR24HR	12.89	121.49	-0.089	12.22	41.70	12.23	39.89
13D0600C	13D	G100YR24HR	13.18	121.60	-0.089	12.21	41.90	12.21	40.28
13D0750	13D	G002YR24HR	12.35	90.37	0.022	12.39	40.56	12.40	40.26
13D0750	13D	G010YR24HR	12.26	172.09	0.046	12.26	41.87	12.25	41.54
13D0750	13D	G025YR24HR	12.25	227.45	0.071	12.23	42.16	12.22	41.70
13D0750	13D	G100YR24HR	12.22	324.59	0.077	12.22	42.61	12.21	41.90
13D0800	13D	G002YR24HR	12.35	51.84	0.007	12.37	41.21	12.39	40.56
13D0800	13D	G010YR24HR	12.34	96.39	0.016	12.28	42.30	12.26	41.87
13D0800	13D	G025YR24HR	12.34	128.01	0.021	12.27	42.66	12.23	42.16
13D0800	13D	G100YR24HR	12.33	183.71	0.025	12.26	43.20	12.22	42.61
13F0200	13F	G002YR24HR	25.37	14.83	0.376	25.44	46.04	12.55	44.39
13F0200	13F	G010YR24HR	25.87	25.35	0.376	31.72	46.43	34.39	45.54
13F0200	13F	G025YR24HR	24.63	45.07	0.376	25.02	46.91	31.21	46.33
13F0200	13F	G100YR24HR	19.37	90.23	0.376	24.32	47.82	27.09	47.44
13F0300C	13F	G002YR24HR	25.36	6.98	0.557	25.36	46.93	25.36	46.43
13F0300C	13F	G010YR24HR	25.90	12.42	0.557	25.90	47.65	25.14	46.75
13F0300C	13F	G025YR24HR	24.75	15.53	0.557	24.57	48.02	25.02	46.91
13F0300C	13F	G100YR24HR	15.76	16.98	0.557	20.14	48.37	24.32	47.82
13F0301C	13F	G002YR24HR	25.36	7.85	0.992	25.36	46.93	25.36	46.32
13F0301C	13F	G010YR24HR	25.90	12.95	0.992	25.90	47.65	25.60	46.62
13F0301C	13F	G025YR24HR	24.64	16.16	0.992	24.57	48.02	25.02	46.91
13F0301C	13F	G100YR24HR	15.37	16.75	0.992	20.14	48.37	24.32	47.82
13F0405W_1	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_1	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_1	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.57	48.02
13F0405W_1	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.14	48.37
13F0405W_2	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_2	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_2	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.57	48.02
13F0405W_2	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.14	48.37
13F0415C_1	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_1	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_1	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_1	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_2	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_2	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_2	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_2	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_3	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_3	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_3	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_3	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_4	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_4	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_4	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_4	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0425C_1	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_1	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_1	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F0425C_1	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_2	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_2	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_2	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_2	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_3	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_3	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_3	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_3	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_4	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_4	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_4	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_4	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_5	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_5	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_5	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_5	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_6	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_6	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_6	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_6	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_7	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_7	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_7	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_7	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_8	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_8	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_8	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_8	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0435W	13F	G002YR24HR	14.20	5.76	0.000	14.20	49.18	25.36	46.93
13F0435W	13F	G010YR24HR	13.51	14.90	0.001	13.51	49.48	25.90	47.65
13F0435W	13F	G025YR24HR	13.40	20.98	0.002	13.40	49.62	24.57	48.02
13F0435W	13F	G100YR24HR	13.37	30.31	-0.002	13.37	49.82	20.14	48.37
13F0445C	13F	G002YR24HR	12.93	7.04	0.103	14.10	49.21	14.20	49.18
13F0445C	13F	G010YR24HR	13.16	15.45	0.103	13.34	49.71	13.51	49.48
13F0445C	13F	G025YR24HR	13.15	21.26	0.103	13.24	50.09	13.40	49.62
13F0445C	13F	G100YR24HR	13.18	30.26	-0.103	13.22	50.77	13.37	49.82
13F0445W	13F	G002YR24HR	0.00	0.00	0.000	14.10	49.21	25.36	46.93
13F0445W	13F	G010YR24HR	0.00	0.00	0.000	13.34	49.71	25.90	47.65
13F0445W	13F	G025YR24HR	0.00	0.00	0.000	13.24	50.09	24.57	48.02
13F0445W	13F	G100YR24HR	0.00	0.00	0.000	13.22	50.77	20.14	48.37
13F0600D	13F	G002YR24HR	12.92	9.53	0.001	12.92	50.76	25.36	46.93
13F0600D	13F	G010YR24HR	12.78	12.31	0.001	12.78	50.99	25.90	47.65
13F0600D	13F	G025YR24HR	12.67	13.22	0.001	12.67	51.09	24.57	48.02
13F0600D	13F	G100YR24HR	12.50	14.21	0.001	12.50	51.21	20.14	48.37
13F0750	13F	G002YR24HR	17.58	9.82	0.003	1.06	53.51	12.92	50.76
13F0750	13F	G010YR24HR	15.64	23.48	0.003	15.69	53.71	12.78	50.99
13F0750	13F	G025YR24HR	16.69	32.53	0.003	16.99	53.81	12.67	51.09
13F0750	13F	G100YR24HR	16.71	52.33	0.005	17.47	54.00	12.50	51.21
13F0800	13F	G002YR24HR	17.67	9.51	0.010	17.69	54.11	1.06	53.51
13F0800	13F	G010YR24HR	15.93	22.72	0.010	15.94	54.50	15.69	53.71
13F0800	13F	G025YR24HR	16.90	31.68	0.010	16.90	54.70	16.99	53.81
13F0800	13F	G100YR24HR	17.04	51.12	0.010	17.02	54.95	17.47	54.00
13F0900C	13F	G002YR24HR	17.62	9.51	9.006	17.64	54.37	17.69	54.11
13F0900C	13F	G010YR24HR	15.90	22.72	9.006	15.90	55.14	15.94	54.50
13F0900C	13F	G025YR24HR	16.84	31.68	9.006	16.82	55.72	16.90	54.70
13F0900C	13F	G100YR24HR	17.02	51.12	9.006	17.02	56.77	16.44	55.09
13F1200D	13F	G002YR24HR	12.98	6.54	0.001	12.98	55.23	17.64	54.37
13F1200D	13F	G010YR24HR	12.22	9.89	0.006	12.30	55.45	15.90	55.14
13F1200D	13F	G025YR24HR	12.05	10.21	0.005	16.79	55.72	16.82	55.72
13F1200D	13F	G100YR24HR	11.91	9.50	-0.002	17.00	56.78	17.02	56.77
13F1200W	13F	G002YR24HR	12.98	15.71	0.007	12.98	55.23	17.64	54.37
13F1200W	13F	G010YR24HR	12.30	107.27	0.061	12.30	55.45	15.90	55.14
13F1200W	13F	G025YR24HR	12.19	164.08	0.060	16.79	55.72	16.82	55.72
13F1200W	13F	G100YR24HR	12.17	245.72	-0.110	17.00	56.78	17.02	56.77

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F1374W	13F	G002YR24HR	17.70	0.75	0.000	17.70	64.97	72.00	60.78
13F1374W	13F	G010YR24HR	12.66	13.72	0.009	12.66	65.10	72.00	64.17
13F1374W	13F	G025YR24HR	12.38	27.40	-0.166	22.52	65.50	22.52	65.50
13F1374W	13F	G100YR24HR	12.22	47.40	-0.166	13.54	65.65	13.54	65.66
13G0100	13G	G002YR24HR	12.86	21.34	0.240	12.77	46.28	38.24	46.19
13G0100	13G	G010YR24HR	12.82	36.75	-0.066	34.47	47.49	34.45	47.49
13G0100	13G	G025YR24HR	33.10	58.96	-3.274	32.67	48.25	32.65	48.20
13G0100	13G	G100YR24HR	26.16	102.77	27.312	26.13	49.53	26.13	49.52
13G0200	13G	G002YR24HR	12.80	21.15	-0.118	12.79	47.05	12.77	46.28
13G0200	13G	G010YR24HR	12.75	36.95	0.011	12.77	47.76	34.47	47.49
13G0200	13G	G025YR24HR	32.93	58.95	0.011	32.76	48.67	32.67	48.25
13G0200	13G	G100YR24HR	26.33	80.56	-0.311	26.13	49.75	26.13	49.53
13G0300C	13G	G002YR24HR	12.74	21.19	-0.506	12.79	47.08	12.79	47.05
13G0300C	13G	G010YR24HR	12.70	37.07	-0.774	12.76	47.80	12.77	47.76
13G0300C	13G	G025YR24HR	32.89	58.95	-0.772	32.79	48.96	32.76	48.67
13G0300C	13G	G100YR24HR	26.37	80.48	-0.319	26.16	50.22	26.13	49.75
13G0500	13G	G002YR24HR	12.68	20.39	-0.079	12.75	47.25	12.79	47.08
13G0500	13G	G010YR24HR	12.65	35.65	0.022	12.73	47.99	12.76	47.80
13G0500	13G	G025YR24HR	32.32	58.97	0.022	32.75	49.04	32.79	48.96
13G0500	13G	G100YR24HR	26.39	80.10	0.022	26.18	50.24	26.16	50.22
13G0550W	13G	G002YR24HR	0.00	0.00	0.000	12.75	47.25	38.08	47.20
13G0550W	13G	G010YR24HR	0.00	0.00	-0.000	12.73	47.99	34.16	48.52
13G0550W	13G	G025YR24HR	12.70	2.84	0.001	32.75	49.04	32.71	49.09
13G0550W	13G	G100YR24HR	12.59	31.93	-0.081	26.18	50.24	26.19	50.26
13G0600	13G	G002YR24HR	12.16	5.32	-0.040	12.74	47.29	12.75	47.25
13G0600	13G	G010YR24HR	12.14	9.90	0.164	12.71	48.02	12.73	47.99
13G0600	13G	G025YR24HR	12.13	13.28	-0.455	32.72	49.04	32.75	49.04
13G0600	13G	G100YR24HR	12.13	19.28	-1.075	26.17	50.24	26.18	50.24
13G1000W	13G	G002YR24HR	60.79	5.88	0.945	38.08	47.20	38.06	47.20
13G1000W	13G	G010YR24HR	61.40	7.73	3.384	34.16	48.52	34.13	48.53
13G1000W	13G	G025YR24HR	72.00	7.86	3.922	32.71	49.09	32.68	49.09
13G1000W	13G	G100YR24HR	8.39	4.56	0.196	26.19	50.26	26.16	50.27
13G2000	13G	G002YR24HR	12.23	6.27	-1.602	38.00	47.20	38.06	47.20
13G2000	13G	G010YR24HR	12.23	6.88	4.788	34.13	48.53	34.13	48.53
13G2000	13G	G025YR24HR	13.84	4.15	7.134	32.69	49.09	32.68	49.09
13G2000	13G	G100YR24HR	11.34	1.87	-1.450	26.16	50.27	26.16	50.27
13G2100	13G	G002YR24HR	12.23	7.59	-0.846	38.08	47.20	38.00	47.20
13G2100	13G	G010YR24HR	12.22	11.39	2.060	34.14	48.53	34.13	48.53
13G2100	13G	G025YR24HR	12.04	10.77	2.617	32.70	49.09	32.69	49.09
13G2100	13G	G100YR24HR	11.83	7.73	-0.670	26.17	50.27	26.16	50.27
13G2200W	13G	G002YR24HR	50.60	0.78	0.075	38.08	47.20	38.08	47.20
13G2200W	13G	G010YR24HR	60.73	2.54	-0.996	34.16	48.52	34.14	48.53
13G2200W	13G	G025YR24HR	72.00	2.67	-1.122	32.71	49.09	32.70	49.09
13G2200W	13G	G100YR24HR	0.00	0.00	-0.020	26.19	50.26	26.17	50.27
13H0100W	13H	G002YR24HR	0.00	0.00	0.000	72.00	52.01	34.35	48.79
13H0100W	13H	G010YR24HR	0.00	0.00	0.000	72.00	52.55	31.62	50.40
13H0100W	13H	G025YR24HR	0.00	0.00	0.000	72.00	52.94	30.08	51.32
13H0100W	13H	G100YR24HR	21.89	13.46	0.000	21.89	53.24	26.32	52.80
13H0120D	13H	G002YR24HR	13.75	2.14	0.000	13.75	55.07	72.00	52.01
13H0120D	13H	G010YR24HR	13.90	3.51	0.001	13.90	56.19	72.00	52.55
13H0120D	13H	G025YR24HR	14.11	4.28	0.001	14.11	57.06	72.00	52.94
13H0120D	13H	G100YR24HR	12.92	15.52	0.003	12.92	58.19	21.89	53.24
13H0200W	13H	G002YR24HR	0.00	0.00	0.000	25.50	56.60	72.00	52.01
13H0200W	13H	G010YR24HR	0.00	0.00	0.000	25.50	57.85	72.00	52.55
13H0200W	13H	G025YR24HR	0.00	0.00	0.000	25.50	58.72	72.00	52.94
13H0200W	13H	G100YR24HR	0.00	0.00	0.000	25.50	60.11	21.89	53.24
13H0320D	13H	G002YR24HR	14.80	0.45	-0.487	24.37	55.88	25.50	55.87
13H0320D	13H	G010YR24HR	13.68	1.44	-0.487	24.11	56.59	27.16	56.55
13H0320D	13H	G025YR24HR	13.71	1.99	-0.487	18.67	57.17	29.47	57.02
13H0320D	13H	G100YR24HR	13.06	10.50	-0.487	13.07	57.84	25.50	57.81
13I0200C	13I	G002YR24HR	26.67	26.49	-36.989	33.02	51.73	33.22	51.70
13I0200C	13I	G010YR24HR	21.53	38.18	-36.989	30.62	52.82	30.65	52.75
13I0200C	13I	G025YR24HR	12.42	44.41	-36.989	29.55	53.35	29.37	53.25
13I0200C	13I	G100YR24HR	12.42	60.41	-36.989	26.33	54.13	26.18	53.95
13I0201C	13I	G002YR24HR	27.40	18.46	-20.324	33.02	51.73	33.22	51.70
13I0201C	13I	G010YR24HR	30.51	37.99	-20.324	30.62	52.82	30.65	52.75

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I0201C	13I	G025YR24HR	32.72	51.70	-20.324	29.55	53.35	29.37	53.25
13I0201C	13I	G100YR24HR	48.73	63.27	-20.324	26.33	54.13	26.18	53.95
13I0400	13I	G002YR24HR	27.03	44.96	2.020	27.03	53.51	27.03	51.87
13I0400	13I	G010YR24HR	30.39	74.19	2.020	30.40	54.08	30.62	52.82
13I0400	13I	G025YR24HR	33.18	91.00	2.020	32.75	54.37	29.55	53.35
13I0400	13I	G100YR24HR	33.99	112.13	2.020	30.88	54.80	26.33	54.13
13I0500C_1	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_1	13I	G010YR24HR	30.37	37.10	-2.015	30.38	55.31	30.40	54.08
13I0500C_1	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.55	54.22
13I0500C_1	13I	G100YR24HR	33.96	56.06	-2.014	33.96	58.51	15.37	54.24
13I0500C_2	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_2	13I	G010YR24HR	30.37	37.10	-2.015	30.38	55.31	30.40	54.08
13I0500C_2	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.55	54.22
13I0500C_2	13I	G100YR24HR	33.96	56.06	-2.014	33.96	58.51	15.37	54.24
13I0605D	13I	G002YR24HR	24.22	0.64	0.000	24.29	54.75	27.01	53.96
13I0605D	13I	G010YR24HR	15.40	4.79	-0.001	15.49	55.81	30.38	55.31
13I0605D	13I	G025YR24HR	14.58	9.86	-0.022	14.64	56.67	33.16	56.45
13I0605D	13I	G100YR24HR	13.97	20.56	-2.480	33.95	58.51	33.96	58.51
13I0615C	13I	G002YR24HR	24.50	0.57	-0.220	24.29	54.75	24.29	54.75
13I0615C	13I	G010YR24HR	14.79	4.00	-0.220	15.48	55.81	15.49	55.81
13I0615C	13I	G025YR24HR	13.94	8.64	-0.220	14.64	56.69	14.64	56.67
13I0615C	13I	G100YR24HR	13.71	18.72	-0.220	33.95	58.51	33.95	58.51
13I0630W	13I	G002YR24HR	0.00	0.00	0.000	26.43	62.60	19.08	59.22
13I0630W	13I	G010YR24HR	24.31	2.11	0.000	24.31	63.17	20.08	60.62
13I0630W	13I	G025YR24HR	17.86	8.24	0.000	17.86	63.28	20.50	61.49
13I0630W	13I	G100YR24HR	14.01	35.00	0.004	14.01	63.53	19.37	62.86
13I0700	13I	G002YR24HR	27.95	31.06	0.383	27.95	56.71	27.95	55.34
13I0700	13I	G010YR24HR	19.91	67.74	0.383	19.91	57.55	19.91	55.96
13I0700	13I	G025YR24HR	20.56	111.73	0.383	20.56	58.27	20.56	56.55
13I0700	13I	G100YR24HR	19.43	174.23	0.383	19.43	59.08	33.96	58.51
13I0800C_1	13I	G002YR24HR	28.47	22.23	15.980	27.92	56.85	27.95	56.71
13I0800C_1	13I	G010YR24HR	19.90	33.87	-16.023	19.91	57.71	19.91	57.55
13I0800C_1	13I	G025YR24HR	20.54	55.87	15.924	20.55	59.69	20.56	58.27
13I0800C_1	13I	G100YR24HR	19.41	87.12	-16.365	19.41	62.55	19.43	59.08
13I0800C_2	13I	G002YR24HR	28.47	22.23	15.980	27.92	56.85	27.95	56.71
13I0800C_2	13I	G010YR24HR	19.90	33.87	-16.023	19.91	57.71	19.91	57.55
13I0800C_2	13I	G025YR24HR	20.54	55.87	15.924	20.55	59.69	20.56	58.27
13I0800C_2	13I	G100YR24HR	19.41	87.12	-16.365	19.41	62.55	19.43	59.08
13I1000	13I	G002YR24HR	18.70	28.75	5.666	19.18	59.12	27.92	56.85
13I1000	13I	G010YR24HR	20.00	66.87	6.148	20.02	60.08	19.91	57.71
13I1000	13I	G025YR24HR	20.55	132.38	-56.460	20.55	60.81	20.55	59.69
13I1000	13I	G100YR24HR	13.73	197.99	-62.522	19.37	62.84	19.41	62.55
13I1100C_1	13I	G002YR24HR	31.09	20.46	17.329	19.08	59.22	19.18	59.12
13I1100C_1	13I	G010YR24HR	20.19	32.79	17.149	20.08	60.62	20.02	60.08
13I1100C_1	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_1	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1100C_2	13I	G002YR24HR	31.09	20.46	17.329	19.08	59.22	19.18	59.12
13I1100C_2	13I	G010YR24HR	20.19	32.79	17.149	20.08	60.62	20.02	60.08
13I1100C_2	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_2	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1210W	13I	G002YR24HR	0.00	0.00	0.000	27.50	65.73	19.08	59.22
13I1210W	13I	G010YR24HR	13.94	38.15	0.007	13.94	66.46	20.08	60.62
13I1210W	13I	G025YR24HR	13.26	70.14	0.016	13.26	66.67	20.50	61.49
13I1210W	13I	G100YR24HR	12.81	144.89	0.031	12.81	67.06	19.37	62.86
13I1250W	13I	G002YR24HR	13.26	110.31	0.014	13.26	60.07	19.08	59.22
13I1250W	13I	G010YR24HR	12.87	228.21	0.032	19.91	60.63	20.08	60.62
13I1250W	13I	G025YR24HR	12.72	334.69	0.058	20.48	61.50	20.50	61.49
13I1250W	13I	G100YR24HR	12.66	527.99	0.087	19.34	62.86	19.37	62.86
13I1400D	13I	G002YR24HR	12.59	123.50	0.022	12.78	62.42	13.26	60.07
13I1400D	13I	G010YR24HR	12.47	157.34	-0.034	12.72	64.49	19.91	60.63
13I1400D	13I	G025YR24HR	12.28	157.92	-0.037	12.63	64.65	20.48	61.50
13I1400D	13I	G100YR24HR	12.11	157.23	0.013	12.65	64.84	19.34	62.86
13I1502S	13I	G002YR24HR	14.71	37.84	-0.585	12.80	62.94	12.78	62.42
13I1502S	13I	G010YR24HR	14.95	50.52	-0.591	13.57	65.03	12.72	64.49
13I1502S	13I	G025YR24HR	15.50	48.61	0.712	13.56	65.39	12.63	64.65
13I1502S	13I	G100YR24HR	13.63	47.11	-1.260	13.34	65.76	12.65	64.84

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I1504S	13I	G002YR24HR	14.78	37.71	-0.612	12.82	63.35	12.80	62.94
13I1504S	13I	G010YR24HR	15.24	46.19	0.484	13.66	65.55	13.57	65.03
13I1504S	13I	G025YR24HR	13.48	43.30	0.761	13.54	66.08	13.56	65.39
13I1504S	13I	G100YR24HR	13.02	47.33	1.002	13.22	66.55	13.34	65.76
13I1506S	13I	G002YR24HR	14.83	37.51	3.005	12.96	64.94	12.82	63.35
13I1506S	13I	G010YR24HR	16.07	36.34	-2.644	13.31	66.00	13.66	65.55
13I1506S	13I	G025YR24HR	16.79	32.86	-2.672	13.24	66.26	13.54	66.08
13I1506S	13I	G100YR24HR	11.51	33.31	-2.711	13.12	66.59	13.22	66.55
13I1507S	13I	G002YR24HR	17.42	18.98	3.711	13.02	65.36	12.96	64.94
13I1507S	13I	G010YR24HR	16.45	17.79	-3.294	13.30	66.01	13.31	66.00
13I1507S	13I	G025YR24HR	11.02	17.06	-3.259	13.24	66.26	13.24	66.26
13I1507S	13I	G100YR24HR	9.91	16.92	-3.235	13.12	66.59	13.12	66.59
13I1507X	13I	G002YR24HR	13.02	0.00	0.000	13.02	65.36	12.96	64.94
13I1507X	13I	G010YR24HR	12.74	13.13	0.648	13.30	66.01	13.31	66.00
13I1507X	13I	G025YR24HR	12.51	16.09	0.632	13.24	66.26	13.24	66.26
13I1507X	13I	G100YR24HR	12.30	18.48	3.978	13.12	66.59	13.12	66.59
13I1508S	13I	G002YR24HR	14.37	19.21	7.660	12.97	65.10	12.96	64.94
13I1508S	13I	G010YR24HR	15.88	18.62	-7.643	13.31	66.00	13.31	66.00
13I1508S	13I	G025YR24HR	11.88	17.36	-6.423	13.26	66.26	13.24	66.26
13I1508S	13I	G100YR24HR	11.63	17.89	-7.735	13.14	66.59	13.12	66.59
13I1510S	13I	G002YR24HR	14.39	19.15	-0.171	12.98	65.35	12.97	65.10
13I1510S	13I	G010YR24HR	15.90	18.55	-0.222	13.30	66.00	13.31	66.00
13I1510S	13I	G025YR24HR	11.89	17.93	0.384	13.29	66.25	13.26	66.26
13I1510S	13I	G100YR24HR	11.71	18.23	-0.396	13.15	66.60	13.14	66.59
13I1510X	13I	G002YR24HR	12.98	0.00	-0.000	12.98	65.35	12.98	63.95
13I1510X	13I	G010YR24HR	13.07	26.09	0.006	13.30	66.00	13.66	65.55
13I1510X	13I	G025YR24HR	12.90	47.72	0.007	13.29	66.25	13.54	66.08
13I1510X	13I	G100YR24HR	12.67	79.87	0.014	13.15	66.60	13.22	66.55
13I1512S	13I	G002YR24HR	16.15	14.54	-7.182	13.02	65.36	12.98	65.35
13I1512S	13I	G010YR24HR	17.17	13.85	-8.823	13.30	66.01	13.30	66.00
13I1512S	13I	G025YR24HR	11.24	12.42	-9.520	13.24	66.26	13.29	66.25
13I1512S	13I	G100YR24HR	10.24	12.36	9.814	13.12	66.59	13.15	66.60
13I1512W	13I	G002YR24HR	0.00	0.00	0.000	13.02	65.36	12.98	65.35
13I1512W	13I	G010YR24HR	0.00	0.00	0.000	13.30	66.01	13.30	66.00
13I1512W	13I	G025YR24HR	13.05	3.38	0.001	13.24	66.26	13.29	66.25
13I1512W	13I	G100YR24HR	12.69	10.50	-0.053	13.12	66.59	13.15	66.60
13I1514S	13I	G002YR24HR	15.77	32.19	0.027	13.62	65.72	13.02	65.36
13I1514S	13I	G010YR24HR	16.98	30.93	0.026	13.19	66.15	13.30	66.01
13I1514S	13I	G025YR24HR	17.53	27.14	0.024	13.01	66.32	13.24	66.26
13I1514S	13I	G100YR24HR	10.41	25.14	-0.126	12.98	66.59	13.12	66.59
13I1514W	13I	G002YR24HR	0.00	0.00	0.000	13.62	65.72	12.96	64.94
13I1514W	13I	G010YR24HR	13.19	6.05	0.001	13.19	66.15	13.31	66.00
13I1514W	13I	G025YR24HR	12.94	15.35	0.003	13.01	66.32	13.24	66.26
13I1514W	13I	G100YR24HR	12.61	28.56	-0.071	12.98	66.59	13.12	66.59
13J0200C_1	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_1	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_1	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_1	13J	G100YR24HR	12.18	34.92	1.134	12.18	61.87	11.65	59.12
13J0200C_2	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_2	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_2	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_2	13J	G100YR24HR	12.18	34.92	1.134	12.18	61.87	11.65	59.12
13J0200C_3	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_3	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_3	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_3	13J	G100YR24HR	12.18	34.92	1.134	12.18	61.87	11.65	59.12
13J0315W	13J	G002YR24HR	12.44	68.62	0.093	12.44	62.10	12.36	60.44
13J0315W	13J	G010YR24HR	12.25	114.06	-0.245	12.25	63.33	12.25	61.49
13J0315W	13J	G025YR24HR	12.20	141.88	-0.261	12.20	64.05	12.21	61.66
13J0315W	13J	G100YR24HR	12.17	165.81	-0.261	12.18	65.14	12.18	61.87
13J0316W	13J	G002YR24HR	0.00	0.00	0.000	12.44	62.10	12.36	60.44
13J0316W	13J	G010YR24HR	0.00	0.00	0.000	12.25	63.33	12.25	61.49
13J0316W	13J	G025YR24HR	0.00	0.00	0.000	12.20	64.05	12.21	61.66
13J0316W	13J	G100YR24HR	12.18	20.90	0.014	12.18	65.14	12.18	61.87
13J0340S_1	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0340S_1	13J	G010YR24HR	12.25	56.06	-4.187	12.25	64.98	12.25	63.33
13J0340S_1	13J	G025YR24HR	12.11	61.98	-4.389	12.20	66.02	12.20	64.05
13J0340S_1	13J	G100YR24HR	13.63	62.53	-4.342	12.17	66.70	12.18	65.14
13J0340S_2	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30
13J0340S_2	13J	G010YR24HR	12.25	56.06	-4.187	12.25	64.98	12.25	63.33
13J0340S_2	13J	G025YR24HR	12.11	61.98	-4.389	12.20	66.02	12.20	64.05
13J0340S_2	13J	G100YR24HR	13.63	62.53	-4.342	12.17	66.70	12.18	65.14
13J0340X	13J	G002YR24HR	0.00	0.00	0.000	12.46	63.06	12.44	62.10
13J0340X	13J	G010YR24HR	0.00	0.00	0.000	12.25	64.98	12.25	63.33
13J0340X	13J	G025YR24HR	12.20	16.96	0.014	12.20	66.02	12.20	65.23
13J0340X	13J	G100YR24HR	12.17	73.84	0.043	12.17	66.70	12.17	65.78
13J0360S_1	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_1	13J	G010YR24HR	12.95	43.10	-3.985	12.28	65.83	12.25	64.98
13J0360S_1	13J	G025YR24HR	13.30	52.43	-3.695	13.05	67.23	12.20	66.02
13J0360S_1	13J	G100YR24HR	14.26	53.52	-4.052	12.88	67.82	12.17	66.70
13J0360S_2	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_2	13J	G010YR24HR	12.95	43.10	-3.985	12.28	65.83	12.25	64.98
13J0360S_2	13J	G025YR24HR	13.30	52.43	-3.695	13.05	67.23	12.20	66.02
13J0360S_2	13J	G100YR24HR	14.26	53.52	-4.052	12.88	67.82	12.17	66.70
13J0360X	13J	G002YR24HR	0.00	0.00	0.000	12.86	63.74	12.46	63.06
13J0360X	13J	G010YR24HR	0.00	0.00	0.000	12.28	65.83	12.25	64.98
13J0360X	13J	G025YR24HR	12.99	5.96	-0.973	13.05	67.23	12.20	66.02
13J0360X	13J	G100YR24HR	12.88	62.94	-2.255	12.88	67.82	12.17	66.70
13J0400S_1	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_1	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_1	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_1	13J	G100YR24HR	12.92	58.72	-2.247	12.88	73.24	12.88	67.82
13J0400S_2	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_2	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_2	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_2	13J	G100YR24HR	12.92	58.72	-2.247	12.88	73.24	12.88	67.82
13J0400X	13J	G002YR24HR	0.00	0.00	0.000	12.84	68.23	12.86	63.74
13J0400X	13J	G010YR24HR	0.00	0.00	0.000	12.84	68.86	12.28	65.83
13J0400X	13J	G025YR24HR	0.00	0.00	0.000	13.05	71.77	13.05	67.23
13J0400X	13J	G100YR24HR	12.88	29.85	0.007	12.88	73.24	12.88	67.82
13J0500C_1	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_1	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_1	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_1	13J	G100YR24HR	13.60	40.14	0.141	12.93	74.58	12.88	73.24
13J0500C_2	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_2	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_2	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_2	13J	G100YR24HR	13.60	40.14	0.141	12.93	74.58	12.88	73.24
13J0500X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.36	60.44
13J0500X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.25	61.49
13J0500X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	12.21	61.66
13J0500X	13J	G100YR24HR	12.93	9.91	0.052	12.93	74.58	12.93	62.17
13J0501X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	27.01	53.96
13J0501X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	30.38	55.31
13J0501X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	33.16	56.45
13J0501X	13J	G100YR24HR	12.93	5.67	0.031	12.93	74.58	12.93	73.14
13J0640	13J	G002YR24HR	15.10	40.62	0.379	15.39	73.10	12.51	71.55
13J0640	13J	G010YR24HR	12.33	49.07	0.379	13.70	73.25	12.21	72.22
13J0640	13J	G025YR24HR	12.97	63.09	32.506	13.09	73.40	13.09	72.88
13J0640	13J	G100YR24HR	12.93	236.29	-154.583	12.93	75.55	12.93	74.58
13J0680S	13J	G002YR24HR	21.18	43.57	-7.571	15.35	73.47	15.39	73.10
13J0680S	13J	G010YR24HR	13.65	46.73	-7.427	13.67	73.77	13.70	73.25
13J0680S	13J	G025YR24HR	13.28	54.65	-7.638	13.09	74.10	13.09	73.40
13J0680S	13J	G100YR24HR	14.41	54.49	-7.708	12.93	75.80	12.93	75.55
13J0700S	13J	G002YR24HR	15.19	40.34	0.136	15.28	74.25	15.35	73.47
13J0700S	13J	G010YR24HR	13.64	46.74	1.060	13.66	75.15	13.67	73.77
13J0700S	13J	G025YR24HR	12.85	54.65	1.072	13.01	76.18	13.09	74.10
13J0700S	13J	G100YR24HR	14.42	54.45	-2.335	12.91	76.56	12.93	75.80
13J0700W	13J	G002YR24HR	0.00	0.00	0.000	15.28	74.25	15.39	73.10
13J0700W	13J	G010YR24HR	0.00	0.00	0.000	13.66	75.15	13.70	73.25
13J0700W	13J	G025YR24HR	13.01	6.92	0.007	13.01	76.18	13.09	73.40

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0700W	13J	G100YR24HR	12.91	50.72	0.025	12.91	76.56	12.93	75.55
13J0800C_1	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_1	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_1	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_1	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800C_2	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_2	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_2	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_2	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.39	73.10
13J0800X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	13.70	73.25
13J0800X	13J	G025YR24HR	12.99	0.01	0.000	12.99	76.47	12.99	75.95
13J0800X	13J	G100YR24HR	12.91	0.47	0.000	12.91	76.61	12.91	75.99
13J0801X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	27.01	53.96
13J0801X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	30.38	55.31
13J0801X	13J	G025YR24HR	12.99	0.03	0.000	12.99	76.47	12.99	69.96
13J0801X	13J	G100YR24HR	12.91	1.03	0.000	12.91	76.61	12.91	70.02
13J0900	13J	G002YR24HR	15.26	39.84	0.071	15.24	75.26	15.24	75.07
13J0900	13J	G010YR24HR	12.95	65.72	-21.221	13.64	76.24	13.64	76.22
13J0900	13J	G025YR24HR	16.08	62.72	-20.310	12.99	76.50	12.99	76.47
13J0900	13J	G100YR24HR	12.94	79.54	-20.604	12.92	76.65	12.91	76.61
13J1000C	13J	G002YR24HR	14.99	21.47	1.628	15.17	76.22	15.24	75.26
13J1000C	13J	G010YR24HR	16.82	22.21	1.628	13.39	76.75	13.64	76.24
13J1000C	13J	G025YR24HR	18.91	22.36	1.628	12.93	76.84	12.99	76.50
13J1000C	13J	G100YR24HR	24.50	22.45	1.628	12.86	76.93	12.92	76.65
13J1000X	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.07
13J1000X	13J	G010YR24HR	0.00	0.00	0.000	13.39	76.75	13.64	76.22
13J1000X	13J	G025YR24HR	0.00	0.00	0.000	12.93	76.84	12.99	76.47
13J1000X	13J	G100YR24HR	0.00	0.00	0.000	12.86	76.93	12.91	76.61
13J1001C	13J	G002YR24HR	14.99	18.38	1.722	15.17	76.22	15.24	75.26
13J1001C	13J	G010YR24HR	16.82	19.02	1.722	13.39	76.75	13.64	76.24
13J1001C	13J	G025YR24HR	18.91	19.14	1.722	12.93	76.84	12.99	76.50
13J1001C	13J	G100YR24HR	24.50	19.22	1.722	12.86	76.93	12.92	76.65
13J1100	13J	G002YR24HR	17.59	37.87	-1.545	15.18	76.23	15.17	76.22
13J1100	13J	G010YR24HR	25.50	39.40	-1.553	13.40	76.76	13.39	76.75
13J1100	13J	G025YR24HR	26.00	40.07	-1.541	12.93	76.84	12.93	76.84
13J1100	13J	G100YR24HR	13.24	41.73	-1.516	12.87	76.94	12.86	76.93
13J1200C_1	13J	G002YR24HR	17.59	18.93	5.490	15.62	76.61	15.18	76.23
13J1200C_1	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_1	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_1	13J	G100YR24HR	13.24	20.85	5.492	13.11	77.41	12.87	76.94
13J1200C_2	13J	G002YR24HR	17.59	18.93	5.490	15.62	76.61	15.18	76.23
13J1200C_2	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_2	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_2	13J	G100YR24HR	13.24	20.85	5.492	13.11	77.41	12.87	76.94
13J1400	13J	G002YR24HR	17.79	37.28	0.145	15.68	76.65	15.62	76.61
13J1400	13J	G010YR24HR	25.52	39.24	0.145	13.88	77.08	13.76	77.06
13J1400	13J	G025YR24HR	26.50	39.98	0.145	13.48	77.19	13.43	77.17
13J1400	13J	G100YR24HR	27.06	40.71	0.281	13.12	77.42	13.11	77.41
13J1400X	13J	G002YR24HR	15.68	1.24	0.000	15.68	76.65	15.68	67.99
13J1400X	13J	G010YR24HR	13.88	18.91	0.003	13.88	77.08	13.88	68.21
13J1400X	13J	G025YR24HR	13.48	25.80	0.005	13.48	77.19	13.48	68.27
13J1400X	13J	G100YR24HR	13.12	43.36	0.008	13.12	77.42	13.12	68.40
13J1500C	13J	G002YR24HR	16.36	37.81	29.941	15.83	76.86	15.68	76.65
13J1500C	13J	G010YR24HR	14.32	49.04	29.941	14.11	77.42	13.88	77.08
13J1500C	13J	G025YR24HR	14.04	54.60	29.941	13.73	77.61	13.48	77.19
13J1500C	13J	G100YR24HR	17.80	57.98	29.941	13.03	77.84	13.12	77.42
13J1800	13J	G002YR24HR	14.66	38.23	0.039	15.66	77.15	15.83	76.86
13J1800	13J	G010YR24HR	12.37	63.52	0.039	13.89	77.73	14.11	77.42
13J1800	13J	G025YR24HR	12.31	79.05	0.039	13.37	77.92	13.73	77.61
13J1800	13J	G100YR24HR	12.50	96.19	-0.079	12.64	78.26	13.03	77.84
13J1805W	13J	G002YR24HR	0.00	0.00	0.000	15.66	77.15	27.50	65.73
13J1805W	13J	G010YR24HR	13.89	27.96	0.004	13.89	77.73	13.94	66.46
13J1805W	13J	G025YR24HR	13.37	48.07	0.009	13.37	77.92	13.26	66.67
13J1805W	13J	G100YR24HR	12.64	100.76	0.014	12.64	78.26	12.81	67.06

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J1810C_1	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_1	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_1	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_1	13J	G100YR24HR	12.53	18.70	2.358	12.53	82.18	12.53	78.96
13J1810C_2	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_2	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_2	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_2	13J	G100YR24HR	12.53	18.70	2.358	12.53	82.18	12.53	78.96
13J1810W	13J	G002YR24HR	0.00	0.00	0.000	13.53	80.12	15.66	77.15
13J1810W	13J	G010YR24HR	0.00	0.00	0.000	13.13	81.23	13.89	77.73
13J1810W	13J	G025YR24HR	0.00	0.00	0.000	13.05	82.01	13.37	77.92
13J1810W	13J	G100YR24HR	12.53	37.18	0.039	12.53	82.18	12.64	78.26
13J1900	13J	G002YR24HR	16.89	31.87	0.766	15.95	77.46	15.66	77.15
13J1900	13J	G010YR24HR	16.53	56.83	0.766	15.50	78.09	13.89	77.73
13J1900	13J	G025YR24HR	16.42	72.44	0.766	15.47	78.34	13.37	77.92
13J1900	13J	G100YR24HR	17.09	98.10	0.766	16.57	78.65	12.64	78.26
13J2000C	13J	G002YR24HR	16.91	31.51	0.771	16.39	77.81	15.95	77.46
13J2000C	13J	G010YR24HR	16.56	56.25	0.771	16.33	78.65	15.50	78.09
13J2000C	13J	G025YR24HR	16.47	71.71	9.863	16.47	79.30	13.45	78.70
13J2000C	13J	G100YR24HR	17.10	97.21	9.863	17.10	80.24	13.03	78.70
13J2200	13J	G002YR24HR	16.87	31.49	0.151	16.97	80.13	16.39	77.81
13J2200	13J	G010YR24HR	16.54	56.24	0.151	16.55	81.16	16.33	78.65
13J2200	13J	G025YR24HR	16.44	71.71	0.151	16.44	81.65	16.47	79.30
13J2200	13J	G100YR24HR	17.06	97.21	0.151	17.06	82.31	17.10	80.24
13J2220C	13J	G002YR24HR	14.05	18.73	-0.846	14.08	81.30	14.05	80.09
13J2220C	13J	G010YR24HR	14.07	37.15	2.480	14.08	82.77	16.55	81.16
13J2220C	13J	G025YR24HR	13.54	43.59	3.891	14.63	83.49	16.44	81.65
13J2220C	13J	G100YR24HR	12.69	44.91	2.641	15.19	84.43	17.06	82.31
13J2221D	13J	G002YR24HR	14.60	2.49	0.000	14.60	87.10	14.08	81.30
13J2221D	13J	G010YR24HR	12.86	16.33	0.003	12.86	87.46	14.08	82.77
13J2221D	13J	G025YR24HR	12.47	21.07	0.005	12.47	87.55	14.63	83.49
13J2221D	13J	G100YR24HR	12.25	25.36	0.006	12.25	87.63	15.19	84.43
13J2221W	13J	G002YR24HR	0.00	0.00	0.000	14.60	87.10	14.08	81.30
13J2221W	13J	G010YR24HR	12.86	0.50	0.000	12.86	87.46	14.08	82.77
13J2221W	13J	G025YR24HR	12.47	20.34	0.013	12.47	87.55	14.63	83.49
13J2221W	13J	G100YR24HR	12.25	47.93	0.025	12.25	87.63	15.19	84.43
13J2222D	13J	G002YR24HR	12.36	13.17	0.003	12.36	88.39	14.60	87.10
13J2222D	13J	G010YR24HR	12.24	25.56	0.004	12.24	88.64	12.86	87.46
13J2222D	13J	G025YR24HR	12.23	33.08	0.005	12.23	88.76	12.47	87.55
13J2222D	13J	G100YR24HR	12.22	45.94	0.007	12.22	88.97	12.25	87.63
13J2222W	13J	G002YR24HR	0.00	0.00	0.000	12.36	88.39	14.60	87.10
13J2222W	13J	G010YR24HR	0.00	0.00	0.000	12.24	88.64	12.86	87.46
13J2222W	13J	G025YR24HR	0.00	0.00	0.000	12.23	88.76	12.47	87.55
13J2222W	13J	G100YR24HR	0.00	0.00	0.000	12.22	88.97	12.25	87.63
13J2231S	13J	G002YR24HR	12.50	42.26	-0.776	16.59	80.18	16.97	80.13
13J2231S	13J	G010YR24HR	12.54	57.17	-0.810	13.80	81.39	16.55	81.16
13J2231S	13J	G025YR24HR	12.68	56.58	-0.827	14.05	82.00	16.44	81.65
13J2231S	13J	G100YR24HR	12.66	56.98	-3.165	14.70	82.76	17.06	82.31
13J2232S	13J	G002YR24HR	12.50	41.68	1.854	13.48	80.48	16.59	80.18
13J2232S	13J	G010YR24HR	12.54	56.24	1.857	13.19	82.30	13.80	81.39
13J2232S	13J	G025YR24HR	12.79	55.82	1.881	13.42	82.94	14.05	82.00
13J2232S	13J	G100YR24HR	12.86	55.95	3.548	13.83	83.71	14.70	82.76
13J2232W	13J	G002YR24HR	0.00	0.00	0.000	13.48	80.48	16.97	80.13
13J2232W	13J	G010YR24HR	13.19	22.41	0.008	13.19	82.30	16.55	81.16
13J2232W	13J	G025YR24HR	13.42	32.20	0.008	13.42	82.94	16.44	81.65
13J2232W	13J	G100YR24HR	13.42	40.54	-2.196	13.83	83.71	17.06	82.31
13J2233D	13J	G002YR24HR	13.08	10.41	-0.001	13.52	81.94	13.48	80.48
13J2233D	13J	G010YR24HR	11.99	8.54	-0.003	13.20	82.33	13.19	82.30
13J2233D	13J	G025YR24HR	11.83	8.75	-0.003	13.42	82.96	13.42	82.94
13J2233D	13J	G100YR24HR	11.50	9.13	-0.067	13.84	83.73	13.83	83.71
13J2233W	13J	G002YR24HR	13.52	8.06	0.002	13.52	81.94	13.48	80.48
13J2233W	13J	G010YR24HR	13.49	42.64	0.013	13.20	82.33	13.19	82.30
13J2233W	13J	G025YR24HR	13.92	52.40	0.005	13.42	82.96	13.42	82.94
13J2233W	13J	G100YR24HR	14.77	60.09	-1.458	13.84	83.73	13.83	83.71
13J2234W	13J	G002YR24HR	14.05	4.19	0.000	14.05	82.85	13.52	81.94
13J2234W	13J	G010YR24HR	13.25	13.01	0.002	13.25	83.29	13.20	82.33

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J2234W	13J	G025YR24HR	13.00	17.22	-0.007	13.26	83.56	13.42	82.96
13J2234W	13J	G100YR24HR	12.84	21.84	-0.007	13.55	84.01	13.84	83.73
13K0200S_1	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_1	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_1	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_1	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0200S_2	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_2	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_2	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_2	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0300S	13K	G002YR24HR	12.32	37.64	0.016	12.26	60.27	12.22	58.04
13K0300S	13K	G010YR24HR	12.60	40.34	0.013	12.15	60.85	12.10	58.36
13K0300S	13K	G025YR24HR	15.95	41.59	0.008	12.10	60.90	12.09	58.46
13K0300S	13K	G100YR24HR	13.84	43.14	0.006	13.74	61.21	12.09	58.61
13K0301S	13K	G002YR24HR	12.31	36.75	0.015	12.26	60.27	12.22	58.04
13K0301S	13K	G010YR24HR	12.60	39.41	0.012	12.15	60.85	12.10	58.36
13K0301S	13K	G025YR24HR	15.95	40.62	0.009	12.10	60.90	12.09	58.46
13K0301S	13K	G100YR24HR	13.84	42.14	0.006	13.74	61.21	12.09	58.61
13K0500S	13K	G002YR24HR	12.54	72.64	-22.394	12.24	61.08	12.26	60.27
13K0500S	13K	G010YR24HR	12.21	74.96	-4.880	12.20	61.87	12.15	60.85
13K0500S	13K	G025YR24HR	15.80	88.28	3.213	15.89	62.30	12.10	60.90
13K0500S	13K	G100YR24HR	12.42	96.52	3.342	13.64	62.76	13.74	61.21
13K0600S	13K	G002YR24HR	12.09	62.59	4.970	12.24	61.68	12.24	61.08
13K0600S	13K	G010YR24HR	14.54	72.26	-11.355	12.61	63.02	12.20	61.87
13K0600S	13K	G025YR24HR	15.96	87.27	-11.655	15.92	64.46	15.89	62.30
13K0600S	13K	G100YR24HR	13.92	89.31	-11.705	13.75	65.02	13.64	62.76
13K0700S	13K	G002YR24HR	12.09	62.88	10.226	12.23	62.69	12.24	61.68
13K0700S	13K	G010YR24HR	13.52	72.14	10.248	12.80	64.37	12.61	63.02
13K0700S	13K	G025YR24HR	19.61	76.54	10.248	15.88	65.25	15.92	64.46
13K0700S	13K	G100YR24HR	22.31	76.55	10.248	13.72	65.73	13.75	65.02
13K0800S	13K	G002YR24HR	13.34	34.09	-1.827	12.76	63.23	12.23	62.69
13K0800S	13K	G010YR24HR	24.64	34.60	-2.088	12.82	64.41	12.80	64.37
13K0800S	13K	G025YR24HR	26.55	35.94	-2.531	15.88	65.27	15.88	65.25
13K0800S	13K	G100YR24HR	28.80	36.10	-2.303	13.72	65.77	13.72	65.73
13K0830W	13K	G002YR24HR	15.04	2.22	-0.307	12.85	63.37	12.76	63.23
13K0830W	13K	G010YR24HR	27.61	2.21	-0.101	12.81	64.40	12.82	64.41
13K0830W	13K	G025YR24HR	30.53	2.21	-0.212	15.88	65.26	15.88	65.27
13K0830W	13K	G100YR24HR	32.77	2.21	0.154	13.72	65.76	13.72	65.77
13K0831W	13K	G002YR24HR	13.10	19.13	0.006	12.85	63.37	12.76	63.23
13K0831W	13K	G010YR24HR	23.00	22.10	0.021	12.81	64.40	12.82	64.41
13K0831W	13K	G025YR24HR	26.55	23.60	0.008	15.88	65.26	15.88	65.27
13K0831W	13K	G100YR24HR	28.80	23.71	-0.032	13.72	65.76	13.72	65.77
13K0840S	13K	G002YR24HR	19.08	20.66	0.221	12.84	63.42	12.76	63.23
13K0840S	13K	G010YR24HR	29.46	20.65	0.221	12.87	64.51	12.82	64.41
13K0840S	13K	G025YR24HR	32.15	20.64	0.221	15.88	65.43	15.88	65.27
13K0840S	13K	G100YR24HR	34.44	20.64	0.221	13.73	65.91	13.72	65.77
13K0870W	13K	G002YR24HR	11.78	0.88	-0.302	12.85	63.37	12.84	63.42
13K0870W	13K	G010YR24HR	11.60	1.12	-0.304	12.81	64.40	12.87	64.51
13K0870W	13K	G025YR24HR	11.18	1.16	-0.303	15.88	65.26	15.88	65.43
13K0870W	13K	G100YR24HR	10.16	1.20	0.311	13.72	65.76	13.73	65.91
13K0871W	13K	G002YR24HR	24.83	0.64	-0.008	12.85	63.37	12.84	63.42
13K0871W	13K	G010YR24HR	32.22	0.68	-0.011	12.81	64.40	12.87	64.51
13K0871W	13K	G025YR24HR	34.52	0.71	-0.009	15.88	65.26	15.88	65.43
13K0871W	13K	G100YR24HR	10.86	0.67	-0.008	13.72	65.76	13.73	65.91
13K1000S	13K	G002YR24HR	13.34	26.60	0.426	12.93	64.34	12.84	63.42
13K1000S	13K	G010YR24HR	14.32	34.37	0.426	13.45	65.90	12.87	64.51
13K1000S	13K	G025YR24HR	22.31	37.21	0.426	15.73	67.20	15.88	65.43
13K1000S	13K	G100YR24HR	25.09	37.27	0.426	13.60	67.52	13.73	65.91
13K1125D	13K	G002YR24HR	13.27	6.05	-0.601	12.95	64.69	12.93	64.34
13K1125D	13K	G010YR24HR	14.26	7.85	0.585	13.70	66.47	13.45	65.90
13K1125D	13K	G025YR24HR	14.82	8.49	-0.601	15.56	67.87	15.73	67.20
13K1125D	13K	G100YR24HR	21.48	8.46	-0.601	13.33	68.13	13.60	67.52
13K1175W	13K	G002YR24HR	12.24	20.10	0.447	12.94	64.69	12.95	64.69
13K1175W	13K	G010YR24HR	12.17	38.29	-0.119	13.69	66.48	13.70	66.47
13K1175W	13K	G025YR24HR	12.19	50.91	1.507	15.54	67.87	15.56	67.87
13K1175W	13K	G100YR24HR	12.28	75.77	1.817	13.33	68.13	13.33	68.13

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K1200S	13K	G002YR24HR	13.03	20.31	2.065	12.94	64.69	12.93	64.34
13K1200S	13K	G010YR24HR	14.23	26.39	2.065	13.69	66.48	13.45	65.90
13K1200S	13K	G025YR24HR	14.75	28.67	2.065	15.54	67.87	15.73	67.20
13K1200S	13K	G100YR24HR	12.63	28.65	2.065	13.33	68.13	13.60	67.52
13K1500	13K	G002YR24HR	12.25	23.20	0.041	12.25	73.73	12.25	65.94
13K1500	13K	G010YR24HR	12.15	39.00	-1.142	12.15	74.31	13.69	66.48
13K1500	13K	G025YR24HR	12.14	46.97	-0.876	12.14	74.57	15.54	67.87
13K1500	13K	G100YR24HR	13.59	78.06	-1.462	12.12	74.94	13.33	68.13
13K1600	13K	G002YR24HR	18.53	19.46	0.299	18.50	74.62	12.25	73.73
13K1600	13K	G010YR24HR	17.04	25.31	0.299	16.00	74.97	12.15	74.31
13K1600	13K	G025YR24HR	14.63	27.52	0.299	12.16	75.10	12.14	74.57
13K1600	13K	G100YR24HR	12.34	33.20	0.299	12.14	75.39	12.12	74.94
13K1700W	13K	G002YR24HR	18.79	18.80	2.486	18.51	74.72	18.50	74.62
13K1700W	13K	G010YR24HR	18.00	24.08	2.486	16.01	75.07	16.00	74.97
13K1700W	13K	G025YR24HR	15.17	24.87	2.486	14.67	75.13	12.16	75.10
13K1700W	13K	G100YR24HR	13.92	27.52	2.486	13.60	75.46	12.14	75.39
13K1710W	13K	G002YR24HR	0.00	0.00	0.000	18.51	74.72	12.25	73.73
13K1710W	13K	G010YR24HR	0.00	0.00	0.000	16.01	75.07	12.15	74.31
13K1710W	13K	G025YR24HR	0.00	0.00	0.000	14.67	75.13	12.14	74.57
13K1710W	13K	G100YR24HR	0.00	0.00	0.000	13.60	75.46	12.12	74.94
13K1720X	13K	G002YR24HR	18.51	0.11	0.000	18.51	74.72	18.51	66.96
13K1720X	13K	G010YR24HR	16.01	16.56	-3.622	16.01	75.07	16.01	67.20
13K1720X	13K	G025YR24HR	14.67	21.28	3.621	14.67	75.13	14.67	67.24
13K1720X	13K	G100YR24HR	13.60	50.31	3.621	13.60	75.46	13.60	67.44
13K1800D	13K	G002YR24HR	18.19	18.89	0.136	18.25	75.48	18.51	74.72
13K1800D	13K	G010YR24HR	16.60	38.77	-1.570	16.24	76.23	16.01	75.07
13K1800D	13K	G025YR24HR	14.82	44.31	-1.569	14.76	76.51	14.67	75.13
13K1800D	13K	G100YR24HR	13.45	46.03	-1.570	13.59	76.86	13.60	75.46
13K2000	13K	G002YR24HR	20.17	4.15	1.701	20.17	79.09	20.17	78.64
13K2000	13K	G010YR24HR	20.23	6.54	1.701	20.23	79.38	20.23	78.76
13K2000	13K	G025YR24HR	20.22	8.24	1.701	20.22	79.53	20.22	78.84
13K2000	13K	G100YR24HR	20.31	10.80	1.701	20.31	79.73	20.31	78.95
13K2100C	13K	G002YR24HR	20.09	4.15	1.888	20.15	79.21	20.17	79.09
13K2100C	13K	G010YR24HR	20.14	6.54	1.888	20.18	79.70	20.23	79.38
13K2100C	13K	G025YR24HR	20.14	8.24	1.888	20.17	80.04	20.22	79.53
13K2100C	13K	G100YR24HR	20.23	10.80	1.888	20.25	80.60	20.31	79.73
13K2220W	13K	G002YR24HR	12.41	14.19	0.004	12.41	80.33	20.15	79.21
13K2220W	13K	G010YR24HR	12.23	31.00	0.005	12.23	80.59	20.18	79.70
13K2220W	13K	G025YR24HR	12.21	40.50	0.006	12.21	80.72	20.17	80.04
13K2220W	13K	G100YR24HR	12.19	56.64	-0.031	12.19	80.91	20.25	80.60
13K3000W	13K	G002YR24HR	12.57	23.12	0.003	12.57	78.23	18.25	75.48
13K3000W	13K	G010YR24HR	12.99	62.21	0.006	12.99	78.44	16.24	76.23
13K3000W	13K	G025YR24HR	12.70	90.26	0.011	12.70	78.54	14.76	76.51
13K3000W	13K	G100YR24HR	12.46	137.93	0.019	12.46	78.68	13.59	76.86
13K3100W	13K	G002YR24HR	12.56	32.01	0.004	12.56	80.87	12.57	78.23
13K3100W	13K	G010YR24HR	12.53	51.78	0.006	12.53	81.38	12.99	78.44
13K3100W	13K	G025YR24HR	12.52	65.71	0.007	12.52	81.69	12.70	78.54
13K3100W	13K	G100YR24HR	12.42	82.24	0.010	12.42	82.02	12.46	78.68
13K3101W	13K	G002YR24HR	0.00	0.00	0.000	12.56	80.87	12.57	78.23
13K3101W	13K	G010YR24HR	0.00	0.00	0.000	12.53	81.38	12.99	78.44
13K3101W	13K	G025YR24HR	0.00	0.00	0.000	12.52	81.69	12.70	78.54
13K3101W	13K	G100YR24HR	12.42	11.45	0.016	12.42	82.02	12.46	78.68
13K4000W	13K	G002YR24HR	14.37	1.11	0.000	14.37	78.23	18.25	75.48
13K4000W	13K	G010YR24HR	13.01	28.15	0.005	13.01	78.44	16.24	76.23
13K4000W	13K	G025YR24HR	12.71	59.12	0.010	12.71	78.54	14.76	76.51
13K4000W	13K	G100YR24HR	12.46	125.19	0.023	12.46	78.68	13.59	76.86
13K4025W	13K	G002YR24HR	15.06	10.16	0.034	14.37	78.23	12.57	78.23
13K4025W	13K	G010YR24HR	14.63	21.49	0.143	13.01	78.44	12.99	78.44
13K4025W	13K	G025YR24HR	15.48	23.64	0.306	12.71	78.54	12.70	78.54
13K4025W	13K	G100YR24HR	15.90	25.67	0.377	12.46	78.68	12.46	78.68
13K4100C_1	13K	G002YR24HR	12.18	12.09	0.068	12.20	80.56	14.37	78.23
13K4100C_1	13K	G010YR24HR	12.94	12.60	0.068	12.97	81.70	13.01	78.44
13K4100C_1	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_1	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4100C_2	13K	G002YR24HR	12.18	12.09	0.068	12.20	80.56	14.37	78.23

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K4100C_2	13K	G010YR24HR	12.94	12.60	0.068	12.97	81.70	13.01	78.44
13K4100C_2	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_2	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4300C	13K	G002YR24HR	12.72	7.72	-0.408	12.72	81.20	12.20	80.56
13K4300C	13K	G010YR24HR	14.63	9.78	0.215	12.60	82.46	12.97	81.70
13K4300C	13K	G025YR24HR	16.18	9.50	0.238	12.35	82.63	13.08	82.32
13K4300C	13K	G100YR24HR	18.89	9.40	-0.541	13.22	83.02	13.23	83.01
13K4325W	13K	G002YR24HR	0.00	0.00	0.000	12.72	81.20	12.20	80.56
13K4325W	13K	G010YR24HR	12.60	8.87	0.004	12.60	82.46	12.97	81.70
13K4325W	13K	G025YR24HR	12.35	27.04	0.015	12.35	82.63	13.08	82.32
13K4325W	13K	G100YR24HR	12.17	55.06	0.036	13.22	83.02	13.23	83.01
13L0010S	13L	G002YR24HR	12.10	9.09	0.003	12.10	53.44	12.10	52.36
13L0010S	13L	G010YR24HR	12.08	11.89	-0.012	12.08	54.08	30.65	52.75
13L0010S	13L	G025YR24HR	12.08	12.17	0.709	12.08	54.15	29.37	53.25
13L0010S	13L	G100YR24HR	13.88	14.52	0.196	14.37	54.50	26.18	53.95
13L0030S	13L	G002YR24HR	4.04	2.95	-2.949	24.30	53.05	12.10	53.44
13L0030S	13L	G010YR24HR	22.49	3.38	-2.949	24.29	53.82	12.08	54.08
13L0030S	13L	G025YR24HR	59.16	3.00	-2.949	18.74	54.13	12.08	54.15
13L0030S	13L	G100YR24HR	1.70	18.64	-18.645	14.33	54.57	14.37	54.50
13L0031W	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	24.30	53.05
13L0031W	13L	G010YR24HR	12.08	5.26	0.014	12.08	54.08	24.29	53.82
13L0031W	13L	G025YR24HR	12.08	10.18	0.014	12.08	54.15	18.74	54.13
13L0031W	13L	G100YR24HR	12.08	18.26	0.019	14.37	54.50	14.33	54.57
13L0200	13L	G002YR24HR	25.38	85.43	0.297	30.20	51.91	33.22	51.70
13L0200	13L	G010YR24HR	23.64	162.81	0.297	28.50	53.02	30.65	52.75
13L0200	13L	G025YR24HR	26.89	204.55	0.423	28.32	53.57	29.37	53.25
13L0200	13L	G100YR24HR	27.39	297.69	0.441	26.54	54.30	26.18	53.95
13L0300C_1	13L	G002YR24HR	25.57	30.72	-0.563	29.96	51.94	30.20	51.91
13L0300C_1	13L	G010YR24HR	25.00	59.73	-0.835	28.24	53.06	28.50	53.02
13L0300C_1	13L	G025YR24HR	42.79	84.47	26.338	27.81	53.80	28.32	53.57
13L0300C_1	13L	G100YR24HR	27.41	101.79	26.104	27.15	54.79	26.54	54.30
13L0300C_2	13L	G002YR24HR	25.57	30.72	-0.563	29.96	51.94	30.20	51.91
13L0300C_2	13L	G010YR24HR	25.00	59.73	-0.835	28.24	53.06	28.50	53.02
13L0300C_2	13L	G025YR24HR	42.79	84.47	26.338	27.81	53.80	28.32	53.57
13L0300C_2	13L	G100YR24HR	27.41	101.79	26.104	27.15	54.79	26.54	54.30
13L0301C	13L	G002YR24HR	25.50	24.01	-0.455	29.96	51.94	30.20	51.91
13L0301C	13L	G010YR24HR	23.66	45.34	-2.806	28.24	53.06	28.50	53.02
13L0301C	13L	G025YR24HR	26.87	64.67	-17.230	27.81	53.80	28.32	53.57
13L0301C	13L	G100YR24HR	27.41	94.10	16.439	27.15	54.79	26.54	54.30
13L0800	13L	G002YR24HR	27.03	75.38	-3.257	29.92	51.94	29.96	51.94
13L0800	13L	G010YR24HR	24.57	140.47	-4.100	28.19	53.07	28.24	53.06
13L0800	13L	G025YR24HR	26.53	178.27	-4.668	27.79	53.80	27.81	53.80
13L0800	13L	G100YR24HR	27.20	268.30	-6.003	27.15	54.80	27.15	54.79
13L0810W	13L	G002YR24HR	12.39	33.90	1.485	29.92	51.94	29.92	51.94
13L0810W	13L	G010YR24HR	12.33	59.70	-2.011	28.19	53.07	28.19	53.07
13L0810W	13L	G025YR24HR	12.31	77.50	-3.681	27.80	53.80	27.79	53.80
13L0810W	13L	G100YR24HR	12.22	101.76	6.589	27.15	54.80	27.15	54.80
13L0900B	13L	G002YR24HR	25.42	79.35	-0.004	28.16	52.13	29.92	51.94
13L0900B	13L	G010YR24HR	22.14	153.02	-0.007	26.23	53.32	28.19	53.07
13L0900B	13L	G025YR24HR	20.57	198.40	-0.008	26.76	54.08	27.79	53.80
13L0900B	13L	G100YR24HR	24.23	276.05	-0.009	26.42	55.16	27.15	54.80
13L101PS	13L	G002YR24HR	12.21	4.90	4.900	14.70	54.65	28.16	52.13
13L101PS	13L	G010YR24HR	11.52	4.90	4.900	13.06	54.93	26.23	53.32
13L101PS	13L	G025YR24HR	10.60	4.90	4.900	12.80	55.03	26.76	54.08
13L101PS	13L	G100YR24HR	9.12	4.90	4.900	12.60	55.17	26.42	55.16
13L1200	13L	G002YR24HR	16.08	101.75	-0.503	27.96	52.14	28.16	52.13
13L1200	13L	G010YR24HR	15.34	210.93	-0.503	26.21	53.32	26.23	53.32
13L1200	13L	G025YR24HR	14.13	244.70	-0.503	26.75	54.08	26.76	54.08
13L1200	13L	G100YR24HR	15.72	288.05	-0.503	26.42	55.16	26.42	55.16
13L1200W	13L	G002YR24HR	0.00	0.00	0.000	27.96	52.14	28.16	52.13
13L1200W	13L	G010YR24HR	19.34	37.05	0.004	26.21	53.32	26.23	53.32
13L1200W	13L	G025YR24HR	16.76	53.48	0.005	26.75	54.08	26.76	54.08
13L1200W	13L	G100YR24HR	14.53	70.84	-0.006	26.42	55.16	26.42	55.16
13L1202W	GEE	G002YR24HR	12.65	8.36	-0.003	12.88	60.54	12.88	60.50
13L1202W	GEE	G010YR24HR	12.09	9.41	-0.025	13.62	61.61	13.62	61.60
13L1202W	GEE	G025YR24HR	11.88	9.06	-0.014	13.98	62.27	13.98	62.27

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L1202W	GEE	G100YR24HR	11.68	8.54	-0.005	14.46	63.27	14.46	63.27
13L1203C	GEE	G002YR24HR	12.74	8.80	0.003	12.88	60.50	64.17	51.53
13L1203C	GEE	G010YR24HR	12.87	9.01	-0.005	13.62	61.60	16.80	52.60
13L1203C	GEE	G025YR24HR	12.95	9.08	-0.005	13.98	62.27	19.78	53.66
13L1203C	GEE	G100YR24HR	13.14	9.14	-0.006	14.46	63.27	25.58	55.16
13L1400	13L	G002YR24HR	14.97	134.73	0.134	24.29	52.27	27.96	52.14
13L1400	13L	G010YR24HR	14.96	276.76	0.134	24.48	53.39	26.21	53.32
13L1400	13L	G025YR24HR	14.75	359.96	-5.577	25.41	54.13	26.75	54.08
13L1400	13L	G100YR24HR	13.91	495.80	5.583	25.57	55.22	26.42	55.16
13L1500B	13L	G002YR24HR	14.95	134.87	0.005	16.19	52.58	24.29	52.27
13L1500B	13L	G010YR24HR	14.95	277.00	0.011	15.74	53.80	24.48	53.39
13L1500B	13L	G025YR24HR	14.74	360.14	0.019	15.14	54.37	25.41	54.13
13L1500B	13L	G100YR24HR	14.11	494.86	0.043	24.35	55.49	25.57	55.22
13L1700	13L	G002YR24HR	14.94	134.93	-0.201	15.74	52.75	16.19	52.58
13L1700	13L	G010YR24HR	14.95	277.10	-0.201	15.45	53.95	15.74	53.80
13L1700	13L	G025YR24HR	14.73	360.19	-0.201	15.02	54.53	15.14	54.37
13L1700	13L	G100YR24HR	14.11	494.98	-0.201	24.26	55.52	24.35	55.49
13L1800D	13L	G002YR24HR	12.55	241.73	0.039	12.56	54.84	15.74	52.75
13L1800D	13L	G010YR24HR	12.77	380.06	37.645	12.56	55.70	15.45	53.95
13L1800D	13L	G025YR24HR	12.83	460.56	53.440	12.90	56.22	15.02	54.53
13L1800D	13L	G100YR24HR	12.60	584.85	40.046	13.09	57.18	24.26	55.52
13L1850B	13L	G002YR24HR	12.91	178.82	0.022	12.61	55.25	12.56	54.84
13L1850B	13L	G010YR24HR	13.64	285.99	67.695	13.05	56.19	12.56	55.70
13L1850B	13L	G025YR24HR	17.34	267.43	69.126	13.11	56.68	12.90	56.22
13L1850B	13L	G100YR24HR	11.92	228.07	65.308	13.08	57.27	13.09	57.18
13L1885W	13L	G002YR24HR	12.28	76.75	0.011	12.29	56.47	12.36	56.07
13L1885W	13L	G010YR24HR	12.27	128.46	0.016	12.27	57.10	12.30	56.27
13L1885W	13L	G025YR24HR	12.26	163.99	0.022	12.26	57.50	12.29	56.38
13L1885W	13L	G100YR24HR	12.27	224.20	0.030	12.27	58.10	13.07	57.17
13L1890C	13L	G002YR24HR	15.64	32.66	-0.299	15.64	55.91	12.61	55.25
13L1890C	13L	G010YR24HR	20.29	37.57	2.336	14.61	56.78	13.05	56.19
13L1890C	13L	G025YR24HR	25.30	35.76	1.435	14.41	57.23	13.11	56.68
13L1890C	13L	G100YR24HR	15.37	27.04	-0.395	15.00	58.14	13.08	57.27
13L1890D	13L	G002YR24HR	26.23	1.38	0.000	12.36	56.07	12.56	54.84
13L1890D	13L	G010YR24HR	11.46	1.44	-0.001	12.30	56.27	12.56	55.70
13L1890D	13L	G025YR24HR	10.61	1.46	0.001	12.29	56.38	12.90	56.22
13L1890D	13L	G100YR24HR	12.56	3.99	1.038	13.07	57.17	13.09	57.18
13L1890W_1	13L	G002YR24HR	0.00	0.00	0.000	12.36	56.07	15.74	52.75
13L1890W_1	13L	G010YR24HR	0.00	0.00	0.000	12.30	56.27	15.45	53.95
13L1890W_1	13L	G025YR24HR	0.00	0.00	0.000	12.29	56.38	15.02	54.53
13L1890W_1	13L	G100YR24HR	13.07	153.71	0.023	13.07	57.17	24.26	55.52
13L1890W_2	13L	G002YR24HR	12.36	83.83	0.040	12.36	56.07	12.56	54.84
13L1890W_2	13L	G010YR24HR	12.30	145.11	0.020	12.30	56.27	12.56	55.70
13L1890W_2	13L	G025YR24HR	12.29	186.17	0.102	12.29	56.38	12.90	56.22
13L1890W_2	13L	G100YR24HR	12.17	240.55	-1.169	13.07	57.17	13.09	57.18
13L1900D	13L	G002YR24HR	15.64	64.63	-0.011	15.64	55.92	12.61	55.25
13L1900D	13L	G010YR24HR	14.95	186.88	0.058	14.61	56.78	13.05	56.19
13L1900D	13L	G025YR24HR	15.03	237.19	0.066	14.41	57.23	13.11	56.68
13L1900D	13L	G100YR24HR	15.28	309.88	13.323	15.00	58.14	13.08	57.27
13L1925W	13L	G002YR24HR	13.55	34.68	0.042	15.64	55.92	15.64	55.91
13L1925W	13L	G010YR24HR	20.56	34.61	0.285	14.61	56.78	14.61	56.78
13L1925W	13L	G025YR24HR	11.94	46.72	0.494	14.41	57.23	14.41	57.23
13L1925W	13L	G100YR24HR	11.02	44.38	1.099	15.00	58.14	15.00	58.14
13L1945W	13L	G002YR24HR	0.00	0.00	0.000	15.64	55.92	12.61	55.25
13L1945W	13L	G010YR24HR	0.00	0.00	0.000	14.61	56.78	13.05	56.19
13L1945W	13L	G025YR24HR	0.00	0.00	0.000	14.41	57.23	13.11	56.68
13L1945W	13L	G100YR24HR	0.00	0.00	0.000	15.00	58.14	13.08	57.27
13L1951W	GEE	G002YR24HR	14.74	0.54	0.000	14.74	56.35	15.64	55.92
13L1951W	GEE	G010YR24HR	12.51	6.49	0.023	14.62	56.78	14.61	56.78
13L1951W	GEE	G025YR24HR	12.33	12.00	0.108	14.42	57.23	14.41	57.23
13L1951W	GEE	G100YR24HR	12.18	20.77	0.494	15.01	58.14	15.00	58.14
13L1960B	13L	G002YR24HR	13.33	108.41	-25.833	14.65	56.01	15.64	55.92
13L1960B	13L	G010YR24HR	12.37	117.25	-26.028	14.61	56.79	14.61	56.78
13L1960B	13L	G025YR24HR	12.19	108.79	-25.888	14.41	57.23	14.41	57.23
13L1960B	13L	G100YR24HR	11.70	94.42	22.947	15.00	58.14	15.00	58.14

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L1965W	13L	G002YR24HR	14.39	29.49	0.003	14.65	56.01	15.64	55.92
13L1965W	13L	G010YR24HR	12.77	108.83	-0.020	14.61	56.79	14.61	56.78
13L1965W	13L	G025YR24HR	12.48	138.12	-0.050	14.41	57.23	14.41	57.23
13L1965W	13L	G100YR24HR	12.21	150.15	-0.056	15.00	58.14	15.00	58.14
13L2000B	13L	G002YR24HR	12.47	160.21	0.020	12.88	56.55	14.65	56.01
13L2000B	13L	G010YR24HR	12.17	181.99	-33.924	12.62	57.01	14.61	56.79
13L2000B	13L	G025YR24HR	12.10	175.78	-34.438	14.40	57.24	14.41	57.23
13L2000B	13L	G100YR24HR	12.02	165.57	-32.777	15.00	58.14	15.00	58.14
13L2100S	13L	G002YR24HR	12.35	119.69	0.021	12.35	61.50	12.35	57.80
13L2100S	13L	G010YR24HR	12.34	173.28	0.027	12.34	63.97	12.34	58.53
13L2100S	13L	G025YR24HR	12.42	190.87	0.027	12.42	64.97	12.42	58.82
13L2100S	13L	G100YR24HR	13.96	253.14	0.022	13.96	69.32	12.13	59.78
13L2200D	13L	G002YR24HR	12.55	94.13	0.011	12.52	65.05	12.35	61.50
13L2200D	13L	G010YR24HR	13.25	140.33	0.557	12.58	66.88	12.34	63.97
13L2200D	13L	G025YR24HR	13.26	146.92	0.624	12.57	67.73	12.42	64.97
13L2200D	13L	G100YR24HR	17.33	154.31	0.598	13.96	69.42	13.96	69.32
13L2300W	BASE	G002YR24HR	0.00	0.00	0.000	12.52	65.05	12.35	61.50
13L2300W	BASE	G010YR24HR	0.00	0.00	0.000	12.58	66.88	12.34	63.97
13L2300W	BASE	G025YR24HR	12.57	13.20	0.005	12.57	67.73	12.42	64.97
13L2300W	BASE	G100YR24HR	14.06	218.33	0.034	13.96	69.42	13.96	69.32
13L2350S	13L	G002YR24HR	12.62	86.94	-1.982	12.63	67.12	0.40	66.25
13L2350S	13L	G010YR24HR	12.27	134.72	-1.974	12.41	69.51	12.58	66.88
13L2350S	13L	G025YR24HR	12.08	148.40	-1.972	12.44	70.51	12.57	67.73
13L2350S	13L	G100YR24HR	16.15	157.50	-1.965	13.47	72.99	13.96	69.42
13L2400W	13L	G002YR24HR	0.00	0.00	0.000	12.63	67.12	12.52	65.05
13L2400W	13L	G010YR24HR	0.00	0.00	0.000	12.41	69.51	12.58	66.88
13L2400W	13L	G025YR24HR	0.00	0.00	0.000	12.44	70.51	12.57	67.73
13L2400W	13L	G100YR24HR	13.47	112.28	0.016	13.47	72.99	13.96	69.42
13L2450D	13L	G002YR24HR	13.01	74.95	-0.006	13.01	70.85	12.63	67.12
13L2450D	13L	G010YR24HR	13.94	120.50	-0.012	13.72	72.03	12.41	69.51
13L2450D	13L	G025YR24HR	14.76	133.78	-0.021	14.22	73.42	12.44	70.51
13L2450D	13L	G100YR24HR	19.39	135.46	-0.041	13.34	74.46	13.47	72.99
13L2451W	13L	G002YR24HR	0.00	0.00	0.000	13.01	70.85	12.63	67.12
13L2451W	13L	G010YR24HR	0.00	0.00	0.000	13.72	72.03	12.41	69.51
13L2451W	13L	G025YR24HR	0.00	0.00	0.000	14.22	73.42	12.44	70.51
13L2451W	13L	G100YR24HR	13.34	170.65	0.026	13.34	74.46	13.47	72.99
13L2510W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	13.01	70.85
13L2510W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.72	72.03
13L2510W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	14.22	73.42
13L2510W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.34	74.46
13L2511W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	13.01	70.85
13L2511W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.72	72.03
13L2511W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	14.22	73.42
13L2511W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.34	74.46
13L2520W	BASE	G002YR24HR	12.17	21.49	0.004	12.17	75.55	12.63	67.12
13L2520W	BASE	G010YR24HR	12.17	42.51	0.007	12.17	75.72	12.41	69.51
13L2520W	BASE	G025YR24HR	12.17	57.91	0.009	12.17	75.83	12.44	70.51
13L2520W	BASE	G100YR24HR	12.11	85.52	0.013	12.11	76.01	13.47	72.99
13L2530D	13L	G002YR24HR	12.33	7.06	0.001	12.33	73.22	13.01	70.85
13L2530D	13L	G010YR24HR	12.26	11.73	0.002	12.31	73.96	13.72	72.03
13L2530D	13L	G025YR24HR	12.20	16.87	0.005	12.21	74.26	14.22	73.42
13L2530D	13L	G100YR24HR	12.11	21.73	0.007	12.35	74.97	13.34	74.46
13L2531W	13L	G002YR24HR	0.00	0.00	0.000	12.33	73.22	13.01	70.85
13L2531W	13L	G010YR24HR	0.00	0.00	0.000	12.31	73.96	13.72	72.03
13L2531W	13L	G025YR24HR	0.00	0.00	0.000	12.21	74.26	14.22	73.42
13L2531W	13L	G100YR24HR	0.00	0.00	0.000	12.35	74.97	13.34	74.46
13L2550D	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	13.01	70.85
13L2550D	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	13.72	72.03
13L2550D	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	14.22	73.42
13L2550D	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	13.34	74.46
13L2560W1	BASE	G002YR24HR	12.18	26.54	0.005	12.18	82.32	13.01	70.85
13L2560W1	BASE	G010YR24HR	12.17	44.82	0.007	12.17	82.41	13.72	72.03
13L2560W1	BASE	G025YR24HR	12.16	57.64	0.009	12.16	82.47	14.22	73.42
13L2560W1	BASE	G100YR24HR	12.15	80.09	0.012	12.15	82.56	13.34	74.46
13L2560W2	BASE	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.33	73.22
13L2560W2	BASE	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.31	73.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2560W2	BASE	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.21	74.26
13L2560W2	BASE	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.35	74.97
13L2560W3	BASE	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.17	75.55
13L2560W3	BASE	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.17	75.72
13L2560W3	BASE	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.17	75.83
13L2560W3	BASE	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.11	76.01
13L2600C	13L	G002YR24HR	12.57	43.85	13.185	12.57	71.28	12.57	70.77
13L2600C	13L	G010YR24HR	12.96	96.76	-12.886	12.96	72.71	13.72	72.03
13L2600C	13L	G025YR24HR	12.51	124.53	17.463	13.14	74.07	14.22	73.42
13L2600C	13L	G100YR24HR	12.16	138.38	17.471	12.98	74.66	13.34	74.46
13L2601C	13L	G002YR24HR	12.56	19.52	3.013	12.57	71.28	13.01	70.85
13L2601C	13L	G010YR24HR	12.80	24.85	4.048	12.96	72.71	13.72	72.03
13L2601C	13L	G025YR24HR	12.51	33.67	4.701	13.14	74.07	14.22	73.42
13L2601C	13L	G100YR24HR	12.16	37.42	4.980	12.98	74.66	13.34	74.46
13L2710D	13L	G002YR24HR	12.72	2.93	0.001	12.81	73.65	12.57	71.28
13L2710D	13L	G010YR24HR	12.44	2.86	0.001	13.19	74.68	12.96	72.71
13L2710D	13L	G025YR24HR	20.28	2.78	0.001	13.83	75.43	13.14	74.07
13L2710D	13L	G100YR24HR	24.81	2.76	-0.001	12.81	76.15	12.98	74.66
13L2711W	13L	G002YR24HR	0.00	0.00	0.000	12.81	73.65	12.57	71.28
13L2711W	13L	G010YR24HR	0.00	0.00	0.000	13.19	74.68	12.96	72.71
13L2711W	13L	G025YR24HR	0.00	0.00	0.000	13.83	75.43	13.14	74.07
13L2711W	13L	G100YR24HR	12.81	6.47	0.003	12.81	76.15	12.98	74.66
13L2750W_1	13L	G002YR24HR	16.97	0.84	0.000	16.97	77.95	12.57	71.28
13L2750W_1	13L	G010YR24HR	12.88	0.89	0.000	12.88	78.41	12.96	72.71
13L2750W_1	13L	G025YR24HR	12.58	0.91	0.000	12.58	78.68	13.14	74.07
13L2750W_1	13L	G100YR24HR	12.13	0.92	-0.000	12.38	79.02	12.98	74.66
13L2750W_2	13L	G002YR24HR	16.97	2.08	0.000	16.97	77.95	12.57	71.28
13L2750W_2	13L	G010YR24HR	12.88	37.54	0.010	12.88	78.41	12.96	72.71
13L2750W_2	13L	G025YR24HR	12.58	72.00	0.021	12.58	78.68	13.14	74.07
13L2750W_2	13L	G100YR24HR	12.38	129.11	0.030	12.38	79.02	12.98	74.66
13L2800	13L	G002YR24HR	15.56	46.80	-0.368	15.49	72.45	12.57	71.28
13L2800	13L	G010YR24HR	13.49	78.71	-0.368	13.01	73.28	12.96	72.71
13L2800	13L	G025YR24HR	13.26	100.99	-0.368	13.20	74.38	13.14	74.07
13L2800	13L	G100YR24HR	13.05	152.94	-0.368	13.03	75.04	12.98	74.66
13L2900C_1	13L	G002YR24HR	15.46	23.40	0.005	15.53	74.29	15.46	73.27
13L2900C_1	13L	G010YR24HR	13.57	39.28	0.007	13.60	75.06	13.57	73.73
13L2900C_1	13L	G025YR24HR	13.24	50.48	0.008	13.24	75.59	13.24	74.07
13L2900C_1	13L	G100YR24HR	13.03	76.46	0.007	13.03	77.74	13.03	75.04
13L2900C_2	13L	G002YR24HR	15.46	23.40	0.005	15.53	74.29	15.46	73.27
13L2900C_2	13L	G010YR24HR	13.57	39.28	0.007	13.60	75.06	13.57	73.73
13L2900C_2	13L	G025YR24HR	13.24	50.48	0.008	13.24	75.59	13.24	74.07
13L2900C_2	13L	G100YR24HR	13.03	76.46	0.007	13.03	77.74	13.03	75.04
13L3100	13L	G002YR24HR	15.53	46.58	-0.151	15.53	74.93	15.53	74.29
13L3100	13L	G010YR24HR	13.60	77.93	-0.150	13.60	75.65	13.60	75.06
13L3100	13L	G025YR24HR	13.28	100.00	-0.154	13.26	76.14	13.24	75.59
13L3100	13L	G100YR24HR	13.00	151.20	-0.155	13.03	77.93	13.03	77.74
13L3110C	13L	G002YR24HR	13.64	13.11	0.003	13.66	82.67	4.38	79.11
13L3110C	13L	G010YR24HR	13.53	24.08	0.004	13.53	83.46	3.03	79.11
13L3110C	13L	G025YR24HR	13.51	31.21	0.005	13.51	84.00	2.48	79.11
13L3110C	13L	G100YR24HR	12.88	32.89	0.006	12.88	84.51	1.88	79.11
13L3111W	13L	G002YR24HR	0.00	0.00	0.000	13.66	82.67	15.53	74.93
13L3111W	13L	G010YR24HR	0.00	0.00	0.000	13.53	83.46	13.60	75.65
13L3111W	13L	G025YR24HR	0.00	0.00	0.000	13.51	84.00	13.26	76.14
13L3111W	13L	G100YR24HR	12.88	55.04	0.015	12.88	84.51	13.03	77.93
13L3200D	13L	G002YR24HR	12.64	5.50	0.001	12.64	76.95	15.53	74.93
13L3200D	13L	G010YR24HR	12.67	12.12	0.001	12.67	77.19	13.60	75.65
13L3200D	13L	G025YR24HR	12.84	21.39	0.002	12.84	77.46	13.26	76.14
13L3200D	13L	G100YR24HR	14.03	41.94	-0.005	13.36	78.28	13.03	77.93
13L3201W	13L	G002YR24HR	0.00	0.00	0.000	12.64	76.95	15.53	74.93
13L3201W	13L	G010YR24HR	0.00	0.00	0.000	12.67	77.19	13.60	75.65
13L3201W	13L	G025YR24HR	0.00	0.00	0.000	12.84	77.46	13.26	76.14
13L3201W	13L	G100YR24HR	0.00	0.00	0.000	13.36	78.28	13.03	77.93
13M0200D	13M	G002YR24HR	14.90	20.69	0.924	24.80	52.08	30.17	51.94
13M0200D	13M	G010YR24HR	14.63	34.58	4.656	27.60	53.44	28.17	53.06
13M0200D	13M	G025YR24HR	14.10	38.19	4.835	30.19	54.40	27.67	53.80
13M0200D	13M	G100YR24HR	47.38	43.00	0.924	36.72	55.63	27.17	54.79

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M0400	13M	G002YR24HR	14.81	20.77	3.635	16.03	52.09	24.80	52.08
13M0400	13M	G010YR24HR	14.58	34.84	3.635	27.60	53.44	27.60	53.44
13M0400	13M	G025YR24HR	18.37	49.18	-13.225	30.20	54.40	30.19	54.40
13M0400	13M	G100YR24HR	21.01	76.26	-35.810	36.74	55.63	36.72	55.63
13M0800S	13M	G002YR24HR	12.21	52.06	7.737	12.22	52.41	16.03	52.09
13M0800S	13M	G010YR24HR	12.19	76.24	7.675	12.19	53.67	27.60	53.44
13M0800S	13M	G025YR24HR	12.12	81.01	7.137	26.90	54.63	30.20	54.40
13M0800S	13M	G100YR24HR	12.17	86.55	5.488	35.80	55.94	36.74	55.63
13M0900S	13M	G002YR24HR	12.21	49.71	0.849	12.21	54.40	13.23	51.91
13M0900S	13M	G010YR24HR	12.20	72.13	0.464	12.20	55.25	25.81	53.57
13M0900S	13M	G025YR24HR	12.29	75.67	1.792	12.16	55.67	26.90	54.63
13M0900S	13M	G100YR24HR	12.31	79.40	2.772	12.20	56.46	35.80	55.94
13M0960S	13M	G002YR24HR	12.17	11.55	-0.277	12.19	55.35	12.21	54.40
13M0960S	13M	G010YR24HR	12.12	15.78	2.204	12.16	57.03	12.20	55.25
13M0960S	13M	G025YR24HR	12.01	15.85	1.794	12.13	57.42	12.16	55.67
13M0960S	13M	G100YR24HR	11.89	15.76	0.961	12.16	57.79	12.20	56.46
13M0980D	13M	G002YR24HR	12.12	11.83	0.025	12.12	58.17	12.19	55.35
13M0980D	13M	G010YR24HR	12.09	16.28	0.033	12.11	58.30	12.16	57.03
13M0980D	13M	G025YR24HR	11.97	16.91	0.034	12.11	58.40	12.13	57.42
13M0980D	13M	G100YR24HR	11.86	17.01	0.033	12.10	58.54	12.16	57.79
13M0985W	13M	G002YR24HR	12.12	2.39	0.008	12.12	58.17	12.23	54.68
13M0985W	13M	G010YR24HR	12.11	7.42	-0.011	12.11	58.30	12.29	56.36
13M0985W	13M	G025YR24HR	12.11	14.11	-0.023	12.11	58.40	12.44	56.82
13M0985W	13M	G100YR24HR	12.10	27.49	0.050	12.10	58.54	12.57	57.73
13M1000S	13M	G002YR24HR	12.26	28.04	-5.219	12.23	54.68	12.21	54.40
13M1000S	13M	G010YR24HR	12.36	41.44	-6.343	12.29	56.36	12.20	55.25
13M1000S	13M	G025YR24HR	12.79	48.21	7.223	12.44	56.82	12.16	55.67
13M1000S	13M	G100YR24HR	13.20	49.98	-5.990	12.57	57.73	12.20	56.46
13M1100W	13M	G002YR24HR	0.00	0.00	0.000	12.23	54.68	16.03	52.09
13M1100W	13M	G010YR24HR	0.00	0.00	0.000	12.29	56.36	27.60	53.44
13M1100W	13M	G025YR24HR	0.00	0.00	0.000	12.44	56.82	30.20	54.40
13M1100W	13M	G100YR24HR	12.57	16.64	0.029	12.57	57.73	36.74	55.63
13M1200	13M	G002YR24HR	12.23	25.94	1.192	12.23	55.48	12.23	54.68
13M1200	13M	G010YR24HR	12.26	35.84	-5.320	12.29	56.46	12.29	56.36
13M1200	13M	G025YR24HR	17.82	44.48	-6.389	12.43	56.88	12.44	56.82
13M1200	13M	G100YR24HR	12.43	57.39	5.243	12.56	57.76	12.57	57.73
13M1300C	13M	G002YR24HR	12.21	23.18	0.660	12.21	56.12	12.21	55.66
13M1300C	13M	G010YR24HR	12.07	30.35	0.660	12.28	56.65	12.29	56.46
13M1300C	13M	G025YR24HR	18.63	34.77	0.660	12.41	56.98	12.43	56.88
13M1300C	13M	G100YR24HR	11.88	32.57	0.660	12.54	57.86	12.56	57.76
13M1400W	13M	G002YR24HR	0.00	0.00	0.000	12.21	56.12	12.23	55.48
13M1400W	13M	G010YR24HR	12.28	4.91	0.014	12.28	56.65	12.29	56.46
13M1400W	13M	G025YR24HR	12.37	13.53	0.040	12.41	56.98	12.43	56.88
13M1400W	13M	G100YR24HR	12.39	39.61	0.065	12.54	57.86	12.56	57.76
13M1500	13M	G002YR24HR	12.16	19.10	-0.604	12.17	56.67	12.21	56.12
13M1500	13M	G010YR24HR	20.14	26.74	-0.603	12.28	57.05	12.28	56.65
13M1500	13M	G025YR24HR	19.62	38.90	-2.915	12.39	57.31	12.41	56.98
13M1500	13M	G100YR24HR	13.29	49.00	3.279	12.50	58.05	12.54	57.86
13M1510D	13M	G002YR24HR	12.11	10.89	0.046	12.11	61.37	12.17	56.67
13M1510D	13M	G010YR24HR	11.93	12.80	-0.090	12.34	61.63	12.28	57.05
13M1510D	13M	G025YR24HR	11.84	12.75	-0.097	12.41	61.82	12.39	57.31
13M1510D	13M	G100YR24HR	11.73	12.51	-0.076	12.35	62.03	12.50	58.05
13M1515W	13M	G002YR24HR	0.00	0.00	0.000	12.11	61.37	12.17	56.67
13M1515W	13M	G010YR24HR	0.00	0.00	0.000	12.34	61.63	12.28	57.05
13M1515W	13M	G025YR24HR	12.41	1.24	0.005	12.41	61.82	12.39	57.31
13M1515W	13M	G100YR24HR	12.35	9.41	0.018	12.35	62.03	12.50	58.05
13M1550S	13M	G002YR24HR	24.29	8.90	0.642	24.54	56.73	12.17	56.67
13M1550S	13M	G010YR24HR	21.18	25.83	0.642	21.08	57.80	12.28	57.05
13M1550S	13M	G025YR24HR	20.01	37.56	-0.811	19.88	58.81	12.39	57.31
13M1550S	13M	G100YR24HR	19.20	44.47	-1.263	22.18	60.12	12.50	58.05
13M1650S	13M	G002YR24HR	24.23	8.90	0.007	24.33	58.01	12.17	56.67
13M1650S	13M	G010YR24HR	21.03	25.83	-0.477	21.22	59.15	26.12	57.66
13M1650S	13M	G025YR24HR	19.84	37.56	-1.528	19.90	59.86	13.99	57.67
13M1650S	13M	G100YR24HR	19.20	44.47	-11.317	20.97	61.23	22.18	60.12
13M1900D	13M	G002YR24HR	12.86	8.11	0.009	12.86	63.39	24.33	58.01

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M1900D	13M	G010YR24HR	12.88	12.36	0.018	12.88	64.93	21.22	59.15
13M1900D	13M	G025YR24HR	12.94	14.13	0.020	12.94	66.13	19.90	59.86
13M1900D	13M	G100YR24HR	12.69	16.05	0.026	12.69	67.62	20.97	61.23
13M1910W	13M	G002YR24HR	0.00	0.00	0.000	12.86	63.39	24.33	58.01
13M1910W	13M	G010YR24HR	0.00	0.00	0.000	12.88	64.93	21.22	59.15
13M1910W	13M	G025YR24HR	0.00	0.00	0.000	12.94	66.13	19.90	59.86
13M1910W	13M	G100YR24HR	12.69	12.68	0.051	12.69	67.62	20.97	61.23
13M2317S	13M	G002YR24HR	13.18	29.75	0.170	13.18	59.74	9.32	59.69
13M2317S	13M	G010YR24HR	13.48	33.06	0.642	13.21	59.98	7.24	59.69
13M2317S	13M	G025YR24HR	12.88	34.83	2.555	16.68	60.10	19.90	59.86
13M2317S	13M	G100YR24HR	12.68	34.95	-2.779	17.33	61.52	20.97	61.23
13M2318S	13M	G002YR24HR	13.12	35.98	-14.103	13.12	60.18	13.12	59.50
13M2318S	13M	G010YR24HR	12.38	36.22	-12.460	12.38	60.19	13.21	59.98
13M2318S	13M	G025YR24HR	12.23	36.32	-17.818	12.23	60.20	16.68	60.10
13M2318S	13M	G100YR24HR	12.06	36.39	-17.875	16.36	61.75	17.33	61.52
13M2319S	13M	G002YR24HR	14.08	31.64	-10.569	14.08	60.30	13.12	60.18
13M2319S	13M	G010YR24HR	13.04	32.80	8.970	13.05	60.35	12.38	60.19
13M2319S	13M	G025YR24HR	12.88	34.19	9.543	12.91	60.41	12.23	60.20
13M2319S	13M	G100YR24HR	12.72	35.58	14.131	16.29	61.82	16.36	61.75
13M2320S	13M	G002YR24HR	13.14	28.01	0.183	14.09	60.54	5.49	62.02
13M2320S	13M	G010YR24HR	13.02	32.80	0.178	13.04	60.70	3.99	62.02
13M2320S	13M	G025YR24HR	12.87	34.19	-1.509	12.89	60.76	3.36	62.02
13M2320S	13M	G100YR24HR	12.71	35.59	8.891	16.19	61.91	2.65	62.02
13M2325W	13M	G002YR24HR	0.00	0.00	0.000	13.40	69.09	24.33	58.01
13M2325W	13M	G010YR24HR	12.90	32.74	0.066	12.90	70.05	21.22	59.15
13M2325W	13M	G025YR24HR	12.75	61.85	0.121	12.75	70.37	19.90	59.86
13M2325W	13M	G100YR24HR	12.64	112.50	0.139	12.64	70.82	20.97	61.23
13M2330D	13M	G002YR24HR	15.44	16.50	0.045	13.40	69.09	13.47	67.35
13M2330D	13M	G010YR24HR	16.77	16.39	-0.055	12.90	70.05	12.99	68.59
13M2330D	13M	G025YR24HR	17.27	16.30	-0.058	12.75	70.37	12.84	68.97
13M2330D	13M	G100YR24HR	18.14	16.19	-0.027	12.64	70.82	12.68	69.36
13M2331S	13M	G002YR24HR	13.40	13.13	2.401	13.40	69.08	3.67	67.91
13M2331S	13M	G010YR24HR	12.90	19.46	2.407	12.90	70.05	2.52	67.91
13M2331S	13M	G025YR24HR	12.75	21.14	2.401	12.75	70.37	2.07	67.91
13M2331S	13M	G100YR24HR	12.35	22.57	2.407	12.64	70.82	12.68	69.36
13M2331W	13M	G002YR24HR	12.17	12.72	0.025	12.17	74.04	13.40	69.08
13M2331W	13M	G010YR24HR	12.16	21.14	0.030	12.16	74.26	12.90	70.05
13M2331W	13M	G025YR24HR	12.14	27.05	0.030	12.14	74.38	12.75	70.37
13M2331W	13M	G100YR24HR	12.13	37.43	0.036	12.13	74.55	12.64	70.82
13M2331W2	13M	G002YR24HR	12.13	13.16	0.694	13.40	69.08	13.40	69.09
13M2331W2	13M	G010YR24HR	12.06	25.76	1.108	12.90	70.05	12.90	70.05
13M2331W2	13M	G025YR24HR	12.00	28.30	2.646	12.75	70.37	12.75	70.37
13M2331W2	13M	G100YR24HR	12.09	36.42	-4.216	12.64	70.82	12.64	70.82
13M2333S	13M	G002YR24HR	13.47	27.74	0.045	13.47	67.35	4.89	64.78
13M2333S	13M	G010YR24HR	12.99	32.81	0.041	12.99	68.59	3.49	64.78
13M2333S	13M	G025YR24HR	12.84	34.21	-0.037	12.84	68.97	2.91	64.78
13M2333S	13M	G100YR24HR	12.68	35.60	-0.025	12.68	69.36	2.27	64.78
13M2334S	13M	G002YR24HR	11.89	7.99	0.514	13.40	69.13	13.40	69.09
13M2334S	13M	G010YR24HR	11.64	8.15	0.507	12.94	70.11	12.90	70.05
13M2334S	13M	G025YR24HR	11.39	8.11	0.382	12.75	70.45	12.75	70.37
13M2334S	13M	G100YR24HR	10.25	8.12	-0.359	12.63	70.93	12.64	70.82
13M2334W	13M	G002YR24HR	12.83	29.89	-2.989	13.40	69.13	13.40	69.09
13M2334W	13M	G010YR24HR	12.57	54.98	-3.896	12.94	70.11	12.90	70.05
13M2334W	13M	G025YR24HR	12.57	74.75	4.242	12.75	70.45	12.75	70.37
13M2334W	13M	G100YR24HR	12.58	106.84	-4.360	12.63	70.93	12.64	70.82
13M2335S	13M	G002YR24HR	15.33	8.35	-3.039	12.80	70.58	13.40	69.13
13M2335S	13M	G010YR24HR	16.61	8.27	-3.039	12.71	70.89	12.94	70.11
13M2335S	13M	G025YR24HR	11.78	8.37	-3.039	12.66	71.08	12.75	70.45
13M2335S	13M	G100YR24HR	11.01	8.61	-3.039	12.63	71.36	12.63	70.93
13M2335W	13M	G002YR24HR	12.80	19.95	0.112	12.80	70.58	13.40	69.13
13M2335W	13M	G010YR24HR	12.71	44.71	0.057	12.71	70.89	12.94	70.11
13M2335W	13M	G025YR24HR	12.66	62.40	0.057	12.66	71.08	12.75	70.45
13M2335W	13M	G100YR24HR	12.63	92.72	0.073	12.63	71.36	12.63	70.93
13M2340	13M	G002YR24HR	12.73	25.32	-1.090	12.74	71.33	12.80	70.58
13M2340	13M	G010YR24HR	12.66	45.71	-1.090	12.67	71.66	12.71	70.89
13M2340	13M	G025YR24HR	12.62	61.02	-1.090	12.63	71.84	12.66	71.08

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M2340	13M	G100YR24HR	12.58	87.52	-1.090	12.59	72.09	12.63	71.36
13M2360D	13M	G002YR24HR	19.73	0.87	0.001	19.73	62.66	24.33	58.01
13M2360D	13M	G010YR24HR	19.84	1.28	0.001	20.14	63.18	21.22	59.15
13M2360D	13M	G025YR24HR	13.38	1.39	0.001	23.25	63.60	19.90	59.86
13M2360D	13M	G100YR24HR	12.35	1.44	0.001	24.13	64.36	20.97	61.23
13M2360W	13M	G002YR24HR	0.00	0.00	0.000	19.73	62.66	24.33	58.01
13M2360W	13M	G010YR24HR	0.00	0.00	0.000	20.14	63.18	21.22	59.15
13M2360W	13M	G025YR24HR	0.00	0.00	0.000	23.25	63.60	19.90	59.86
13M2360W	13M	G100YR24HR	0.00	0.00	0.000	24.13	64.36	20.97	61.23
13N0100D	13N	G002YR24HR	14.63	7.31	0.000	14.63	53.61	14.67	52.59
13N0100D	13N	G010YR24HR	13.83	17.72	0.004	13.85	54.46	13.86	53.79
13N0100D	13N	G025YR24HR	14.02	20.47	0.007	13.97	55.01	24.31	54.24
13N0100D	13N	G100YR24HR	12.44	20.76	0.006	20.64	55.67	20.92	55.42
13N0100W	13N	G002YR24HR	0.00	0.00	-0.001	14.63	53.61	13.76	54.24
13N0100W	13N	G010YR24HR	0.00	0.00	0.003	13.85	54.46	13.81	54.48
13N0100W	13N	G025YR24HR	0.00	0.00	0.019	13.97	55.01	13.95	55.02
13N0100W	13N	G100YR24HR	12.12	10.50	-0.269	20.64	55.67	20.61	55.68
13N0150S	13N	G002YR24HR	14.66	7.30	0.001	14.67	52.59	14.73	52.17
13N0150S	13N	G010YR24HR	13.85	17.71	-0.014	13.86	53.79	26.15	53.32
13N0150S	13N	G025YR24HR	14.03	20.47	0.007	24.31	54.24	26.30	54.09
13N0150S	13N	G100YR24HR	12.44	20.61	0.005	20.92	55.42	24.76	55.21
13N0200	13N	G002YR24HR	24.52	16.94	0.151	28.12	52.14	28.16	52.13
13N0200	13N	G010YR24HR	24.22	36.71	0.213	26.22	53.32	26.23	53.32
13N0200	13N	G025YR24HR	20.88	49.93	0.326	26.75	54.08	26.76	54.08
13N0200	13N	G100YR24HR	20.35	66.94	0.794	26.42	55.16	26.42	55.16
13N0200D	13N	G002YR24HR	13.76	0.07	0.000	13.76	54.24	14.73	52.17
13N0200D	13N	G010YR24HR	13.81	0.14	0.000	13.81	54.48	26.15	53.32
13N0200D	13N	G025YR24HR	13.95	2.02	0.000	13.95	55.02	26.30	54.09
13N0200D	13N	G100YR24HR	14.19	17.34	-0.006	20.61	55.68	24.76	55.21
13N0200W	13N	G002YR24HR	0.00	0.00	0.000	13.76	54.24	28.12	52.14
13N0200W	13N	G010YR24HR	0.00	0.00	0.000	13.81	54.48	26.22	53.32
13N0200W	13N	G025YR24HR	0.00	0.00	0.000	13.95	55.02	26.75	54.08
13N0200W	13N	G100YR24HR	0.00	0.00	0.000	20.61	55.68	26.42	55.16
13N0250S	13N	G002YR24HR	14.73	7.35	0.004	14.73	52.17	28.12	52.14
13N0250S	13N	G010YR24HR	14.25	17.97	0.160	26.15	53.32	26.22	53.32
13N0250S	13N	G025YR24HR	13.97	22.52	0.017	26.30	54.09	26.75	54.08
13N0250S	13N	G100YR24HR	13.74	35.39	0.017	24.76	55.21	26.42	55.16
13N0300	13N	G002YR24HR	12.47	32.84	20.342	26.40	52.19	28.12	52.14
13N0300	13N	G010YR24HR	13.10	54.96	20.342	25.24	53.37	26.22	53.32
13N0300	13N	G025YR24HR	15.55	76.21	20.342	26.31	54.11	26.75	54.08
13N0300	13N	G100YR24HR	15.02	110.87	20.342	26.26	55.18	26.42	55.16
13N0301D	13N	G002YR24HR	13.50	6.10	0.001	13.50	58.25	13.76	54.24
13N0301D	13N	G010YR24HR	12.85	19.68	0.003	12.85	58.56	13.81	54.48
13N0301D	13N	G025YR24HR	12.65	25.89	0.004	12.85	58.76	13.95	55.02
13N0301D	13N	G100YR24HR	14.53	26.29	0.004	14.53	59.46	20.61	55.68
13N0301W	13N	G002YR24HR	0.00	0.00	0.000	13.50	58.25	27.00	57.18
13N0301W	13N	G010YR24HR	0.00	0.00	0.000	12.85	58.56	27.00	58.78
13N0301W	13N	G025YR24HR	0.00	0.00	-0.000	12.85	58.76	18.71	59.02
13N0301W	13N	G100YR24HR	12.75	9.45	-0.031	14.53	59.46	14.56	59.51
13N0350S	13N	G002YR24HR	12.42	33.04	-0.008	12.42	52.92	0.00	54.40
13N0350S	13N	G010YR24HR	12.41	54.74	0.012	24.07	53.48	0.00	54.40
13N0350S	13N	G025YR24HR	15.52	76.05	0.014	24.96	54.18	0.00	54.40
13N0350S	13N	G100YR24HR	14.89	110.95	1.183	24.50	55.40	26.26	55.18
13N0350W	13N	G002YR24HR	0.00	0.00	0.000	12.42	52.92	26.40	52.19
13N0350W	13N	G010YR24HR	0.00	0.00	0.000	24.07	53.48	25.24	53.37
13N0350W	13N	G025YR24HR	0.00	0.00	0.000	24.96	54.18	26.31	54.11
13N0350W	13N	G100YR24HR	0.00	0.00	0.000	24.50	55.40	26.26	55.18
13N0400	13N	G002YR24HR	12.36	25.36	1.136	12.40	53.29	12.42	52.92
13N0400	13N	G010YR24HR	15.64	52.16	1.136	13.97	54.00	24.07	53.48
13N0400	13N	G025YR24HR	15.75	67.94	1.136	23.90	54.43	24.96	54.18
13N0400	13N	G100YR24HR	15.48	94.02	1.136	24.28	55.49	24.50	55.40
13N0500S	13N	G002YR24HR	12.26	26.16	0.061	12.38	53.37	12.40	53.29
13N0500S	13N	G010YR24HR	15.60	52.15	0.061	15.58	54.31	13.97	54.00
13N0500S	13N	G025YR24HR	14.13	68.07	0.061	15.63	55.08	23.90	54.43
13N0500S	13N	G100YR24HR	15.58	94.04	0.192	15.95	56.32	24.28	55.49

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13N0500W	13N	G002YR24HR	0.00	0.00	0.000	12.38	53.37	12.40	53.29
13N0500W	13N	G010YR24HR	0.00	0.00	0.000	15.58	54.31	13.97	54.00
13N0500W	13N	G025YR24HR	0.00	0.00	0.000	15.63	55.08	23.90	54.43
13N0500W	13N	G100YR24HR	0.00	0.00	0.000	15.95	56.32	24.28	55.49
13N0700	13N	G002YR24HR	18.18	20.23	0.084	17.81	53.74	12.38	53.37
13N0700	13N	G010YR24HR	16.98	46.68	0.178	16.03	54.72	15.58	54.31
13N0700	13N	G025YR24HR	17.00	61.37	0.303	15.96	55.37	15.63	55.08
13N0700	13N	G100YR24HR	16.10	83.57	0.637	15.97	56.36	15.95	56.32
13N0700W	13N	G002YR24HR	12.33	7.97	0.001	12.33	54.29	12.42	52.92
13N0700W	13N	G010YR24HR	12.32	12.75	0.002	12.32	54.39	24.07	53.48
13N0700W	13N	G025YR24HR	12.30	16.36	0.002	12.30	54.45	24.96	54.18
13N0700W	13N	G100YR24HR	12.97	23.20	-0.522	24.50	55.40	24.50	55.40
13N0750D	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	12.33	54.29
13N0750D	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	12.32	54.39
13N0750D	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	12.30	54.45
13N0750D	13N	G100YR24HR	0.00	0.00	-0.000	31.28	54.76	24.50	55.40
13N0750W	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	24.59	53.85
13N0750W	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	21.49	55.25
13N0750W	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	14.95	55.46
13N0750W	13N	G100YR24HR	0.00	0.00	0.000	31.28	54.76	13.74	56.16
13N0800S	13N	G002YR24HR	24.45	0.32	-0.000	24.60	53.85	24.64	53.57
13N0800S	13N	G010YR24HR	17.24	0.50	-0.005	21.60	55.25	24.17	54.67
13N0800S	13N	G025YR24HR	14.10	0.53	-0.002	15.02	55.34	24.27	54.90
13N0800S	13N	G100YR24HR	12.56	0.54	-0.001	13.07	55.47	24.95	55.33
13N0800W	13N	G002YR24HR	0.00	0.00	0.000	24.60	53.85	12.33	54.29
13N0800W	13N	G010YR24HR	21.60	1.38	0.000	21.60	55.25	12.32	54.39
13N0800W	13N	G025YR24HR	15.02	7.10	0.001	15.02	55.34	12.30	54.45
13N0800W	13N	G100YR24HR	13.07	18.52	0.006	13.07	55.47	24.50	55.40
13N0805W_1	13N	G002YR24HR	0.00	0.00	0.000	24.64	53.57	26.29	52.23
13N0805W_1	13N	G010YR24HR	0.00	0.00	0.000	24.17	54.67	25.15	53.47
13N0805W_1	13N	G025YR24HR	0.00	0.00	0.000	24.27	54.90	26.26	54.17
13N0805W_1	13N	G100YR24HR	0.00	0.00	0.000	24.95	55.33	26.15	55.19
13N0805W_2	13N	G002YR24HR	24.64	0.32	0.000	24.64	53.57	26.29	52.23
13N0805W_2	13N	G010YR24HR	17.15	0.49	0.000	24.17	54.67	25.15	53.47
13N0805W_2	13N	G025YR24HR	14.08	0.52	0.000	24.27	54.90	26.26	54.17
13N0805W_2	13N	G100YR24HR	12.72	0.51	0.000	24.95	55.33	26.15	55.19
13N0810S	13N	G002YR24HR	24.62	0.32	0.001	26.29	52.23	26.40	52.19
13N0810S	13N	G010YR24HR	17.16	0.49	-0.006	25.15	53.47	25.24	53.37
13N0810S	13N	G025YR24HR	14.09	0.52	0.005	26.26	54.17	26.31	54.11
13N0810S	13N	G100YR24HR	12.65	0.49	0.004	26.15	55.19	26.26	55.18
13N0900S	13N	G002YR24HR	12.82	1.43	-31.073	24.59	53.85	24.60	53.85
13N0900S	13N	G010YR24HR	12.81	3.99	-31.073	21.49	55.25	21.60	55.25
13N0900S	13N	G025YR24HR	14.92	6.28	-31.073	14.95	55.46	15.02	55.34
13N0900S	13N	G100YR24HR	13.77	15.62	-31.073	13.74	56.16	13.07	55.47
13P0300C_1	13P	G002YR24HR	12.49	21.37	0.021	12.49	57.26	12.49	55.09
13P0300C_1	13P	G010YR24HR	12.47	38.34	0.171	12.47	58.30	12.47	55.44
13P0300C_1	13P	G025YR24HR	12.41	43.66	0.171	12.41	58.66	12.41	55.53
13P0300C_1	13P	G100YR24HR	12.34	46.70	0.171	12.34	58.88	12.34	55.59
13P0300C_2	13P	G002YR24HR	12.49	21.37	0.021	12.49	57.26	12.49	55.09
13P0300C_2	13P	G010YR24HR	12.47	38.34	0.171	12.47	58.30	12.47	55.44
13P0300C_2	13P	G025YR24HR	12.41	43.66	0.171	12.41	58.66	12.41	55.53
13P0300C_2	13P	G100YR24HR	12.34	46.70	0.171	12.34	58.88	12.34	55.59
13P0300C_3	13P	G002YR24HR	12.49	21.37	0.021	12.49	57.26	12.49	55.09
13P0300C_3	13P	G010YR24HR	12.47	38.34	0.171	12.47	58.30	12.47	55.44
13P0300C_3	13P	G025YR24HR	12.41	43.66	0.171	12.41	58.66	12.41	55.53
13P0300C_3	13P	G100YR24HR	12.34	46.70	0.171	12.34	58.88	12.34	55.59
13P0400W	BASE	G002YR24HR	0.00	0.00	0.000	12.49	57.26	12.53	55.40
13P0400W	BASE	G010YR24HR	0.00	0.00	0.000	12.47	58.30	12.49	55.72
13P0400W	BASE	G025YR24HR	12.41	24.57	0.017	12.41	58.66	12.42	55.85
13P0400W	BASE	G100YR24HR	12.34	91.40	0.033	12.34	58.88	12.35	56.09
13P0450C	13P	G002YR24HR	12.53	64.03	5.368	12.53	55.40	28.16	52.13
13P0450C	13P	G010YR24HR	12.49	114.97	5.368	12.49	55.72	26.23	53.32
13P0450C	13P	G025YR24HR	12.42	155.47	7.188	12.42	55.85	26.76	54.08
13P0450C	13P	G100YR24HR	12.35	231.31	15.736	12.35	56.09	26.42	55.16
13P0500W	13P	G002YR24HR	12.52	62.11	0.007	12.52	60.52	12.49	57.26
13P0500W	13P	G010YR24HR	12.48	111.29	0.012	12.48	61.13	12.47	58.30

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P0500W	13P	G025YR24HR	12.42	150.05	0.017	12.42	61.44	12.41	58.66
13P0500W	13P	G100YR24HR	12.35	222.55	0.032	12.35	61.83	12.34	58.88
13P0501W	GEE	G002YR24HR	13.49	1.10	0.000	13.49	71.14	12.52	60.52
13P0501W	GEE	G010YR24HR	12.31	11.76	0.008	12.31	71.30	12.48	61.13
13P0501W	GEE	G025YR24HR	12.17	18.70	0.009	12.17	71.37	12.42	61.44
13P0501W	GEE	G100YR24HR	12.12	27.36	0.004	12.12	71.45	12.35	61.83
13P0700C_1	13P	G002YR24HR	12.47	17.31	0.009	12.47	65.03	12.47	62.92
13P0700C_1	13P	G010YR24HR	12.42	24.91	0.009	12.42	65.51	12.42	63.10
13P0700C_1	13P	G025YR24HR	12.39	29.45	0.009	12.41	65.78	12.39	63.19
13P0700C_1	13P	G100YR24HR	12.36	37.62	0.009	12.36	66.28	12.36	63.36
13P0700C_2	13P	G002YR24HR	12.47	17.31	0.009	12.47	65.03	12.47	62.92
13P0700C_2	13P	G010YR24HR	12.42	24.91	0.009	12.42	65.51	12.42	63.10
13P0700C_2	13P	G025YR24HR	12.39	29.45	0.009	12.41	65.78	12.39	63.19
13P0700C_2	13P	G100YR24HR	12.36	37.62	0.009	12.36	66.28	12.36	63.36
13P0860X	13P	G002YR24HR	12.50	33.80	0.004	12.50	68.10	12.47	65.03
13P0860X	13P	G010YR24HR	12.42	48.26	0.007	12.42	68.24	12.42	65.51
13P0860X	13P	G025YR24HR	12.42	56.87	0.008	12.42	68.35	12.41	65.78
13P0860X	13P	G100YR24HR	12.42	72.17	0.008	12.42	68.56	12.36	66.28
13P0950S	13P	G002YR24HR	12.68	20.41	0.004	12.68	70.02	0.15	68.20
13P0950S	13P	G010YR24HR	13.16	27.88	0.005	13.08	71.69	12.42	68.24
13P0950S	13P	G025YR24HR	13.72	31.56	0.005	13.26	72.86	12.42	68.35
13P0950S	13P	G100YR24HR	15.32	36.45	0.005	14.21	74.43	12.42	68.56
13P1000	13P	G002YR24HR	12.31	23.84	-0.142	12.60	70.26	12.68	70.02
13P1000	13P	G010YR24HR	12.33	36.93	-0.142	13.07	71.70	13.08	71.69
13P1000	13P	G025YR24HR	12.18	46.17	-0.142	13.26	72.86	13.26	72.86
13P1000	13P	G100YR24HR	12.15	56.18	-0.142	14.21	74.43	14.21	74.43
13P1150S	13P	G002YR24HR	12.49	2.60	0.001	12.49	72.09	12.49	70.11
13P1150S	13P	G010YR24HR	12.55	9.15	0.003	12.55	72.86	12.55	70.63
13P1150S	13P	G025YR24HR	12.45	14.31	0.005	12.45	73.36	13.26	72.86
13P1150S	13P	G100YR24HR	12.25	20.47	0.864	14.17	75.16	14.21	74.43
13P1151S	13P	G002YR24HR	12.48	6.11	0.002	12.49	72.09	12.48	70.48
13P1151S	13P	G010YR24HR	12.54	13.80	0.003	12.55	72.86	12.54	71.05
13P1151S	13P	G025YR24HR	12.45	19.20	0.005	12.45	73.36	13.26	72.86
13P1151S	13P	G100YR24HR	12.18	22.94	0.759	14.17	75.16	14.21	74.43
13P1152W	13P	G002YR24HR	0.00	0.00	0.000	12.49	72.09	12.60	70.26
13P1152W	13P	G010YR24HR	0.00	0.00	0.000	12.55	72.86	13.07	71.70
13P1152W	13P	G025YR24HR	0.00	0.00	0.000	12.45	73.36	13.26	72.86
13P1152W	13P	G100YR24HR	14.17	3.63	0.000	14.17	75.16	14.21	74.43
13P1200W	GEE	G002YR24HR	14.86	0.59	0.000	14.86	74.63	12.49	72.09
13P1200W	GEE	G010YR24HR	12.40	9.18	0.005	12.40	74.77	12.55	72.86
13P1200W	GEE	G025YR24HR	12.22	15.93	0.009	12.22	74.85	12.45	73.36
13P1200W	GEE	G100YR24HR	12.13	25.03	0.080	14.18	75.16	14.17	75.16
13P1300	13P	G002YR24HR	12.28	9.19	2.443	12.28	73.67	12.49	72.09
13P1300	13P	G010YR24HR	12.28	16.10	2.443	12.42	74.08	12.55	72.86
13P1300	13P	G025YR24HR	12.38	21.19	2.443	12.42	74.41	12.45	73.36
13P1300	13P	G100YR24HR	13.54	29.86	-2.443	13.89	75.45	14.17	75.16
13P1400	13P	G002YR24HR	12.45	7.02	-0.434	12.52	74.83	12.28	73.67
13P1400	13P	G010YR24HR	12.44	12.65	-0.442	12.44	75.14	12.42	74.08
13P1400	13P	G025YR24HR	12.46	17.13	-0.442	12.47	75.36	12.42	74.41
13P1400	13P	G100YR24HR	13.44	29.83	-0.442	13.57	75.92	13.89	75.45
13P1500C_1	13P	G002YR24HR	12.39	3.56	0.916	12.39	75.64	12.39	74.48
13P1500C_1	13P	G010YR24HR	12.38	6.35	0.916	12.39	75.94	12.44	75.14
13P1500C_1	13P	G025YR24HR	12.41	8.59	0.916	12.42	76.15	12.47	75.36
13P1500C_1	13P	G100YR24HR	13.42	14.95	0.916	13.45	76.70	13.57	75.92
13P1500C_2	13P	G002YR24HR	12.39	3.56	0.916	12.39	75.64	12.39	74.48
13P1500C_2	13P	G010YR24HR	12.38	6.35	0.916	12.39	75.94	12.44	75.14
13P1500C_2	13P	G025YR24HR	12.41	8.59	0.916	12.42	76.15	12.47	75.36
13P1500C_2	13P	G100YR24HR	13.42	14.95	0.916	13.45	76.70	13.57	75.92
13P1650	13P	G002YR24HR	12.35	7.14	4.611	12.36	75.91	12.39	75.64
13P1650	13P	G010YR24HR	12.35	12.76	4.611	12.36	76.28	12.39	75.94
13P1650	13P	G025YR24HR	12.37	17.23	4.611	12.39	76.52	12.42	76.15
13P1650	13P	G100YR24HR	13.38	29.94	4.611	13.41	77.12	13.45	76.70
13P1700	13P	G002YR24HR	12.70	4.71	0.906	12.68	76.32	12.36	75.91
13P1700	13P	G010YR24HR	12.73	8.61	0.906	12.62	76.65	12.36	76.28
13P1700	13P	G025YR24HR	12.91	12.88	1.007	12.74	76.93	12.39	76.52
13P1700	13P	G100YR24HR	13.38	28.42	1.007	13.39	77.71	13.41	77.12

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P1750W	13P	G002YR24HR	12.64	4.71	0.000	12.64	76.95	12.68	76.32
13P1750W	13P	G010YR24HR	12.69	8.56	0.001	12.67	77.19	12.62	76.65
13P1750W	13P	G025YR24HR	12.88	12.84	0.001	12.84	77.46	12.74	76.93
13P1750W	13P	G100YR24HR	13.34	28.45	0.002	13.36	78.28	13.39	77.71
13P1810S	13P	G002YR24HR	12.09	1.28	0.071	18.62	84.25	18.62	84.25
13P1810S	13P	G010YR24HR	12.98	6.54	0.071	13.01	84.79	13.02	84.68
13P1810S	13P	G025YR24HR	12.83	11.12	0.071	12.85	85.22	12.88	84.90
13P1810S	13P	G100YR24HR	12.69	16.62	0.071	12.81	85.99	12.89	85.27
13P1810W	13P	G002YR24HR	0.00	0.00	0.000	18.62	84.25	18.74	81.26
13P1810W	13P	G010YR24HR	0.00	0.00	0.000	13.01	84.79	13.15	81.53
13P1810W	13P	G025YR24HR	0.00	0.00	0.000	12.85	85.22	13.06	81.66
13P1810W	13P	G100YR24HR	0.00	0.00	0.000	12.81	85.99	12.95	81.79
13P1811W_1	13P	G002YR24HR	18.62	0.21	0.000	18.62	84.25	18.71	82.17
13P1811W_1	13P	G010YR24HR	13.02	5.93	0.001	13.02	84.68	13.12	83.07
13P1811W_1	13P	G025YR24HR	12.88	10.60	0.002	12.88	84.90	13.04	83.79
13P1811W_1	13P	G100YR24HR	12.79	16.18	-0.007	12.89	85.27	12.93	84.81
13P1811W_2	13P	G002YR24HR	18.62	0.59	0.000	18.62	84.25	18.71	82.17
13P1811W_2	13P	G010YR24HR	12.53	0.65	0.000	13.02	84.68	13.12	83.07
13P1811W_2	13P	G025YR24HR	12.24	0.67	0.000	12.88	84.90	13.04	83.79
13P1811W_2	13P	G100YR24HR	11.99	0.67	-0.000	12.89	85.27	12.93	84.81
13P1812S	13P	G002YR24HR	18.71	0.81	-0.000	18.71	82.17	18.71	81.71
13P1812S	13P	G010YR24HR	13.12	6.50	0.001	13.12	83.07	13.12	82.30
13P1812S	13P	G025YR24HR	13.04	10.96	0.003	13.04	83.79	13.00	82.59
13P1812S	13P	G100YR24HR	12.93	16.43	0.005	12.93	84.81	12.84	82.86
13P1813C	13P	G002YR24HR	18.74	0.81	0.000	18.74	81.26	18.74	78.66
13P1813C	13P	G010YR24HR	13.15	6.50	0.001	13.15	81.53	13.15	78.85
13P1813C	13P	G025YR24HR	13.06	10.95	0.067	13.06	81.66	13.06	78.95
13P1813C	13P	G100YR24HR	12.95	16.43	0.268	12.95	81.79	12.95	79.06
13P1813W	13P	G002YR24HR	0.00	0.00	0.000	18.74	81.26	12.64	76.95
13P1813W	13P	G010YR24HR	0.00	0.00	0.000	13.15	81.53	12.67	77.19
13P1813W	13P	G025YR24HR	0.00	0.00	0.000	13.06	81.66	12.84	77.46
13P1813W	13P	G100YR24HR	0.00	0.00	0.000	12.95	81.79	13.36	78.28
13P1814W	13P	G002YR24HR	0.00	0.00	0.000	16.43	78.57	12.64	76.95
13P1814W	13P	G010YR24HR	15.59	13.67	0.003	15.59	78.72	12.67	77.19
13P1814W	13P	G025YR24HR	14.02	23.96	0.005	14.02	78.78	12.84	77.46
13P1814W	13P	G100YR24HR	13.19	54.83	0.007	13.19	78.93	13.36	78.28
13P1815	13P	G002YR24HR	16.43	35.61	-5.189	16.43	78.57	16.49	76.92
13P1815	13P	G010YR24HR	15.59	44.48	-5.189	15.59	78.72	15.61	77.21
13P1815	13P	G025YR24HR	14.01	48.90	-5.188	14.02	78.78	14.06	77.34
13P1815	13P	G100YR24HR	14.42	56.35	-5.189	13.19	78.93	13.07	78.28
13P1815C	GEE	G002YR24HR	16.41	35.60	0.007	16.49	76.92	0.00	76.33
13P1815C	GEE	G010YR24HR	15.55	44.48	0.009	15.61	77.21	0.00	76.33
13P1815C	GEE	G025YR24HR	14.06	48.90	0.009	14.06	77.34	0.00	76.33
13P1815C	GEE	G100YR24HR	14.32	56.87	-0.014	13.07	78.28	13.03	77.93
13P1820S	13P	G002YR24HR	16.31	34.38	0.009	16.35	81.62	16.31	79.14
13P1820S	13P	G010YR24HR	17.62	54.90	0.009	17.66	82.46	17.62	79.58
13P1820S	13P	G025YR24HR	16.18	65.05	0.009	16.18	82.86	16.18	79.78
13P1820S	13P	G100YR24HR	15.03	88.21	0.009	15.03	83.79	15.03	80.24
13P1821S	13P	G002YR24HR	21.40	1.96	0.001	21.48	82.41	21.40	81.75
13P1821S	13P	G010YR24HR	17.31	2.96	0.014	17.67	82.63	17.66	82.46
13P1821S	13P	G025YR24HR	17.30	3.77	0.043	16.27	82.97	16.18	82.86
13P1821S	13P	G100YR24HR	18.13	4.42	0.475	15.12	83.91	15.03	83.79
13P1823S	13P	G002YR24HR	21.05	1.99	-0.002	21.05	83.31	21.05	82.36
13P1823S	13P	G010YR24HR	16.87	2.96	-0.002	16.87	83.47	16.87	82.50
13P1823S	13P	G025YR24HR	17.04	3.76	-0.002	17.04	83.59	17.04	82.61
13P1823S	13P	G100YR24HR	18.14	4.04	0.003	15.13	84.07	15.12	83.91
13P182PS	13P	G002YR24HR	20.81	1.97	1.970	20.81	83.95	21.05	83.31
13P182PS	13P	G010YR24HR	17.03	2.96	1.970	17.03	85.22	16.87	83.47
13P182PS	13P	G025YR24HR	16.98	3.76	1.970	16.98	86.25	17.04	83.59
13P182PS	13P	G100YR24HR	12.86	3.92	1.970	18.94	87.52	15.13	84.07
13P1890S	13P	G002YR24HR	16.30	34.38	5.478	16.32	84.28	16.30	83.11
13P1890S	13P	G010YR24HR	17.58	51.94	5.478	17.64	85.00	17.58	83.71
13P1890S	13P	G025YR24HR	16.03	61.29	5.478	16.12	85.37	16.03	84.06
13P1890S	13P	G100YR24HR	15.02	84.29	5.478	15.05	86.29	13.09	85.10
13P2000S	13P	G002YR24HR	13.02	21.40	-20.456	16.32	84.28	16.32	84.28

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P2000S	13P	G010YR24HR	12.19	24.13	-17.860	17.63	85.00	17.64	85.00
13P2000S	13P	G025YR24HR	11.99	23.03	-19.642	16.11	85.37	16.12	85.37
13P2000S	13P	G100YR24HR	12.48	26.23	-20.529	15.02	86.29	15.05	86.29
13P2020S	13P	G002YR24HR	12.48	9.42	0.003	12.49	85.44	12.48	84.86
13P2020S	13P	G010YR24HR	12.46	15.42	0.031	12.47	85.94	12.46	85.22
13P2020S	13P	G025YR24HR	12.46	19.51	0.031	12.46	86.25	12.46	85.46
13P2020S	13P	G100YR24HR	12.47	26.43	0.032	12.47	86.79	15.02	86.29
13P2020W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	16.32	84.28
13P2020W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	17.64	85.00
13P2020W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	16.12	85.37
13P2020W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	15.05	86.29
13P2100C	13P	G002YR24HR	12.93	0.38	0.034	12.49	85.44	12.49	85.44
13P2100C	13P	G010YR24HR	12.92	0.57	0.072	12.47	85.94	12.47	85.94
13P2100C	13P	G025YR24HR	12.92	0.70	0.091	12.46	86.25	12.46	86.25
13P2100C	13P	G100YR24HR	13.00	0.90	-0.088	12.47	86.79	12.47	86.79
13P2100W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	12.49	85.44
13P2100W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	12.47	85.94
13P2100W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	12.46	86.25
13P2100W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	12.47	86.79
13P2250	13P	G002YR24HR	0.00	0.00	0.000	72.00	85.88	12.49	85.44
13P2250	13P	G010YR24HR	0.00	0.00	0.000	72.00	86.74	12.47	85.94
13P2250	13P	G025YR24HR	0.00	0.00	0.000	72.00	87.31	12.46	86.25
13P2250	13P	G100YR24HR	72.00	0.23	0.000	72.00	88.19	72.00	87.60
13P2300D	13P	G002YR24HR	12.08	4.56	0.001	15.19	89.47	15.16	89.43
13P2300D	13P	G010YR24HR	14.30	3.95	0.001	13.39	90.42	13.09	90.11
13P2300D	13P	G025YR24HR	14.91	5.16	0.094	13.39	91.09	13.01	90.61
13P2300D	13P	G100YR24HR	16.27	6.32	0.155	13.61	92.16	13.06	91.45
13P2300W	13P	G002YR24HR	0.00	0.00	0.000	15.19	89.47	72.00	85.88
13P2300W	13P	G010YR24HR	0.00	0.00	0.000	13.39	90.42	72.00	86.74
13P2300W	13P	G025YR24HR	0.00	0.00	0.000	13.39	91.09	72.00	87.31
13P2300W	13P	G100YR24HR	0.00	0.00	0.000	13.61	92.16	72.00	88.19
13P2350S	13P	G002YR24HR	12.10	2.95	-0.172	15.16	89.43	15.15	89.43
13P2350S	13P	G010YR24HR	14.29	4.02	-0.173	13.09	90.11	13.07	90.09
13P2350S	13P	G025YR24HR	14.86	5.27	-0.174	13.01	90.61	12.99	90.58
13P2350S	13P	G100YR24HR	16.27	6.45	-0.172	13.06	91.45	13.04	91.41
13P2400C	13P	G002YR24HR	13.86	3.75	1.078	72.00	85.88	72.00	85.88
13P2400C	13P	G010YR24HR	13.85	5.33	-1.286	72.00	86.74	72.00	86.74
13P2400C	13P	G025YR24HR	13.85	5.71	-1.448	72.00	87.31	72.00	87.31
13P2400C	13P	G100YR24HR	24.50	7.24	-1.599	72.00	88.19	72.00	88.19
13P2400S	13P	G002YR24HR	15.12	2.66	-44.513	15.15	89.43	15.16	89.41
13P2400S	13P	G010YR24HR	13.06	9.96	-44.513	13.07	90.09	13.09	89.76
13P2400S	13P	G025YR24HR	13.04	13.63	-44.513	12.99	90.58	12.98	89.97
13P2400S	13P	G100YR24HR	12.88	17.04	-44.513	13.04	91.41	13.49	90.50
13P2400W	13P	G002YR24HR	0.00	0.00	0.000	15.15	89.43	72.00	85.88
13P2400W	13P	G010YR24HR	0.00	0.00	0.000	13.07	90.09	72.00	86.74
13P2400W	13P	G025YR24HR	0.00	0.00	0.000	12.99	90.58	72.00	87.31
13P2400W	13P	G100YR24HR	0.00	0.00	0.000	13.04	91.41	72.00	88.19
13P2410W_1	13P	G002YR24HR	15.16	2.13	0.000	15.16	89.41	15.28	88.17
13P2410W_1	13P	G010YR24HR	13.09	9.57	0.002	13.09	89.76	13.18	89.08
13P2410W_1	13P	G025YR24HR	13.03	13.33	-0.006	12.98	89.97	12.95	89.51
13P2410W_1	13P	G100YR24HR	12.93	16.75	0.006	13.49	90.50	13.52	90.33
13P2410W_2	13P	G002YR24HR	13.46	0.56	0.000	15.16	89.41	15.28	88.17
13P2410W_2	13P	G010YR24HR	12.23	0.58	0.000	13.09	89.76	13.18	89.08
13P2410W_2	13P	G025YR24HR	12.03	0.59	-0.000	12.98	89.97	12.95	89.51
13P2410W_2	13P	G100YR24HR	11.72	0.57	-0.000	13.49	90.50	13.52	90.33
13P2420S	13P	G002YR24HR	15.28	2.66	0.001	15.28	88.17	15.28	85.18
13P2420S	13P	G010YR24HR	13.16	9.94	0.003	13.18	89.08	13.16	85.78
13P2420S	13P	G025YR24HR	13.02	13.74	0.006	12.95	89.51	72.00	87.31
13P2420S	13P	G100YR24HR	12.97	16.85	0.006	13.52	90.33	72.00	88.19
13P2610S	13P	G002YR24HR	12.35	36.56	-14.929	72.00	85.88	72.00	85.88
13P2610S	13P	G010YR24HR	12.09	41.58	-14.929	72.00	86.74	72.00	86.74
13P2610S	13P	G025YR24HR	12.01	43.51	-14.929	72.00	87.31	72.00	87.31
13P2610S	13P	G100YR24HR	11.89	42.29	-14.929	24.57	88.27	72.00	88.19
13P2630S	13P	G002YR24HR	12.34	36.68	-0.458	12.37	87.62	72.00	85.88
13P2630S	13P	G010YR24HR	12.09	41.80	-0.458	12.10	88.76	72.00	86.74
13P2630S	13P	G025YR24HR	11.99	43.85	-0.458	12.08	89.65	72.00	87.31

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P2630S	13P	G100YR24HR	11.90	42.56	-0.458	15.59	90.02	24.57	88.27
13P2635W	13P	G002YR24HR	0.00	0.00	0.000	12.37	87.62	72.00	85.88
13P2635W	13P	G010YR24HR	0.00	0.00	0.000	12.10	88.76	72.00	86.74
13P2635W	13P	G025YR24HR	0.00	0.00	0.000	12.08	89.65	72.00	87.31
13P2635W	13P	G100YR24HR	15.59	1.30	0.000	15.59	90.02	72.00	88.19
13P2643S	13P	G002YR24HR	12.10	24.33	-1.513	12.10	89.61	12.37	87.62
13P2643S	13P	G010YR24HR	12.02	26.21	-1.432	12.09	90.83	12.10	88.76
13P2643S	13P	G025YR24HR	11.91	25.94	-1.338	12.08	90.89	12.08	89.65
13P2643S	13P	G100YR24HR	11.79	25.42	-1.283	12.08	90.92	15.59	90.02
13P2643W1	BASE	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.37	87.62
13P2643W1	BASE	G010YR24HR	12.09	3.13	0.018	12.09	90.83	12.10	88.76
13P2643W1	BASE	G025YR24HR	12.08	13.08	0.041	12.08	90.89	12.08	89.65
13P2643W1	BASE	G100YR24HR	12.08	22.51	0.039	12.08	90.92	15.59	90.02
13P2643W2	BASE	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.79	87.74
13P2643W2	BASE	G010YR24HR	0.00	0.00	0.000	12.09	90.83	14.73	88.42
13P2643W2	BASE	G025YR24HR	0.00	0.00	0.000	12.08	90.89	16.90	89.05
13P2643W2	BASE	G100YR24HR	0.00	0.00	0.000	12.08	90.92	15.62	90.05
13P2644S	13P	G002YR24HR	12.00	15.90	0.717	12.09	92.63	12.10	89.61
13P2644S	13P	G010YR24HR	11.83	15.79	0.667	12.08	92.82	12.09	90.83
13P2644S	13P	G025YR24HR	14.33	15.78	-0.793	13.63	92.92	12.08	90.89
13P2644S	13P	G100YR24HR	11.68	15.37	-0.696	12.53	93.17	12.08	90.92
13P2644W1	BASE	G002YR24HR	0.00	0.00	0.000	12.09	92.63	72.00	85.88
13P2644W1	BASE	G010YR24HR	0.00	0.00	0.000	12.08	92.82	72.00	86.74
13P2644W1	BASE	G025YR24HR	0.00	0.00	0.000	13.63	92.92	72.00	87.31
13P2644W1	BASE	G100YR24HR	0.00	0.00	0.000	12.53	93.17	72.00	88.19
13P2644W2	BASE	G002YR24HR	0.00	0.00	0.000	12.09	92.63	15.41	86.14
13P2644W2	BASE	G010YR24HR	0.00	0.00	0.000	12.08	92.82	17.90	88.05
13P2644W2	BASE	G025YR24HR	0.00	0.00	0.000	13.63	92.92	20.17	88.82
13P2644W2	BASE	G100YR24HR	0.00	0.00	0.000	12.53	93.17	23.70	90.07
13P2646S	13P	G002YR24HR	12.68	1.64	0.264	12.09	92.61	12.09	92.63
13P2646S	13P	G010YR24HR	14.62	8.48	0.029	12.08	92.80	12.08	92.82
13P2646S	13P	G025YR24HR	19.95	8.41	-0.046	13.66	92.92	13.63	92.92
13P2646S	13P	G100YR24HR	24.91	7.24	0.278	12.55	93.16	12.53	93.17
13P2646W	BASE	G002YR24HR	0.00	0.00	-0.077	12.09	92.61	12.09	92.63
13P2646W	BASE	G010YR24HR	12.91	4.53	-0.092	12.08	92.80	12.08	92.82
13P2646W	BASE	G025YR24HR	17.98	13.17	-0.114	13.66	92.92	13.63	92.92
13P2646W	BASE	G100YR24HR	20.70	10.84	0.235	12.55	93.16	12.53	93.17
13P2647W	13P	G002YR24HR	0.00	0.00	-0.111	25.50	92.42	12.09	92.61
13P2647W	13P	G010YR24HR	13.69	9.14	-0.135	13.69	92.62	12.08	92.80
13P2647W	13P	G025YR24HR	18.00	13.84	-0.169	13.73	92.94	13.66	92.92
13P2647W	13P	G100YR24HR	23.84	11.49	-0.212	12.59	93.14	12.55	93.16
13P2647W2	BASE	G002YR24HR	0.00	0.00	0.000	25.50	92.42	12.79	87.74
13P2647W2	BASE	G010YR24HR	0.00	0.00	0.000	13.69	92.62	14.73	88.42
13P2647W2	BASE	G025YR24HR	0.00	0.00	0.000	13.73	92.94	16.90	89.05
13P2647W2	BASE	G100YR24HR	12.59	82.85	0.034	12.59	93.14	15.62	90.05
13P2650S	13P	G002YR24HR	13.42	17.71	-0.844	12.79	87.74	12.37	87.62
13P2650S	13P	G010YR24HR	18.00	14.36	-0.949	14.73	88.42	12.10	88.76
13P2650S	13P	G025YR24HR	25.00	14.89	-0.427	16.90	89.05	12.08	89.65
13P2650S	13P	G100YR24HR	28.18	15.68	-0.148	15.62	90.05	15.59	90.02
13P2660W	BASE	G002YR24HR	0.00	0.00	0.000	12.79	87.74	12.37	87.62
13P2660W	BASE	G010YR24HR	0.00	0.00	0.000	14.73	88.42	12.10	88.76
13P2660W	BASE	G025YR24HR	0.00	0.00	-0.020	16.90	89.05	12.08	89.65
13P2660W	BASE	G100YR24HR	24.93	17.09	-0.026	15.62	90.05	15.59	90.02
13P270PS	13P	G002YR24HR	12.89	21.04	21.040	15.41	86.14	72.00	85.88
13P270PS	13P	G010YR24HR	12.21	21.04	21.040	17.90	88.05	72.00	86.74
13P270PS	13P	G025YR24HR	11.99	21.04	21.040	20.17	88.82	72.00	87.31
13P270PS	13P	G100YR24HR	11.36	21.04	21.040	23.70	90.07	72.00	88.19
13P31200S	GEE	G002YR24HR	12.05	12.77	-0.006	12.07	91.64	12.07	91.39
13P31200S	GEE	G010YR24HR	12.05	17.19	-0.006	12.06	92.83	12.06	92.17
13P31200S	GEE	G025YR24HR	12.06	20.89	-0.006	12.07	93.85	12.07	92.88
13P31200S	GEE	G100YR24HR	12.08	27.49	-0.006	12.09	96.12	12.09	94.43
13P3150S	GEE	G002YR24HR	12.07	12.76	0.012	12.07	91.39	12.05	89.78
13P3150S	GEE	G010YR24HR	12.06	17.18	-0.014	12.06	92.17	12.04	89.98
13P3150S	GEE	G025YR24HR	12.07	20.89	0.015	12.07	92.88	12.07	90.13
13P3150S	GEE	G100YR24HR	12.09	27.47	0.016	12.09	94.43	12.08	90.31

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P3250S	GEE	G002YR24HR	12.02	12.82	-0.092	12.06	91.72	12.07	91.64
13P3250S	GEE	G010YR24HR	12.04	17.22	-0.092	12.06	93.08	12.06	92.83
13P3250S	GEE	G025YR24HR	12.05	20.93	-0.092	12.07	94.22	12.07	93.85
13P3250S	GEE	G100YR24HR	12.06	27.55	-0.092	12.08	96.75	12.09	96.12
13P3300S	GEE	G002YR24HR	12.00	12.94	-1.739	12.06	91.79	12.06	91.72
13P3300S	GEE	G010YR24HR	12.00	17.31	-1.547	12.06	93.20	12.06	93.08
13P3300S	GEE	G025YR24HR	12.02	21.04	-1.367	12.07	94.41	12.07	94.22
13P3300S	GEE	G100YR24HR	12.00	27.74	-1.365	12.08	97.08	12.08	96.75
13P3350S	GEE	G002YR24HR	12.00	13.10	-3.642	12.06	91.83	12.06	91.79
13P3350S	GEE	G010YR24HR	12.00	17.58	-3.558	12.05	93.28	12.06	93.20
13P3350S	GEE	G025YR24HR	12.00	21.44	1.980	12.06	94.52	12.07	94.41
13P3350S	GEE	G100YR24HR	12.00	28.46	1.961	12.08	97.27	12.08	97.08
13P3400D	BASE	G002YR24HR	12.01	5.56	-0.349	12.06	91.85	12.07	91.72
13P3400D	BASE	G010YR24HR	12.00	10.24	-0.349	12.05	93.32	12.06	92.94
13P3400D	BASE	G025YR24HR	12.00	13.02	-0.349	12.06	94.58	12.08	93.98
13P3400D	BASE	G100YR24HR	12.00	17.81	-0.349	12.08	97.37	12.09	96.27
13P3400S	GEE	G002YR24HR	12.00	13.26	9.750	12.06	91.85	12.06	91.83
13P3400S	GEE	G010YR24HR	12.00	17.86	-8.053	12.05	93.32	12.05	93.28
13P3400S	GEE	G025YR24HR	12.00	21.86	6.498	12.06	94.58	12.06	94.52
13P3400S	GEE	G100YR24HR	12.00	29.22	6.476	12.08	97.37	12.08	97.27
13P3400W1	BASE	G002YR24HR	12.00	23.19	0.855	12.06	91.85	12.07	91.72
13P3400W1	BASE	G010YR24HR	12.00	38.41	0.737	12.05	93.32	12.06	92.94
13P3400W1	BASE	G025YR24HR	12.00	48.81	0.329	12.06	94.58	12.08	93.98
13P3400W1	BASE	G100YR24HR	12.00	66.78	0.371	12.08	97.37	12.09	96.27
13P3450S	GEE	G002YR24HR	12.06	27.72	0.008	12.07	91.72	72.00	85.88
13P3450S	GEE	G010YR24HR	12.06	47.03	0.011	12.06	92.94	72.00	86.74
13P3450S	GEE	G025YR24HR	12.08	59.25	0.011	12.08	93.98	72.00	87.31
13P3450S	GEE	G100YR24HR	12.09	79.91	0.015	12.09	96.27	72.00	88.19
13P3500S	GEE	G002YR24HR	12.08	27.69	-8.506	72.00	85.88	72.00	85.88
13P3500S	GEE	G010YR24HR	12.07	47.01	-8.506	72.00	86.74	72.00	86.74
13P3500S	GEE	G025YR24HR	12.08	59.23	-8.506	72.00	87.31	72.00	87.31
13P3500S	GEE	G100YR24HR	12.09	79.88	-8.506	72.00	88.19	72.00	88.19
13Q0450W	13Q	G002YR24HR	0.00	0.00	0.000	25.50	84.52	16.32	84.28
13Q0450W	13Q	G010YR24HR	0.00	0.00	0.000	25.50	84.91	17.64	85.00
13Q0450W	13Q	G025YR24HR	0.00	0.00	0.000	25.50	86.47	16.12	85.37
13Q0450W	13Q	G100YR24HR	13.66	25.94	0.007	13.66	88.89	15.05	86.29
13Q0810D	13Q	G002YR24HR	12.92	38.21	0.006	12.94	88.19	14.05	87.39
13Q0810D	13Q	G010YR24HR	12.65	63.54	0.010	13.14	89.55	14.17	88.60
13Q0810D	13Q	G025YR24HR	12.46	68.04	0.008	12.75	89.97	14.29	89.17
13Q0810D	13Q	G100YR24HR	12.25	67.09	-0.007	12.50	90.22	14.07	89.70
13Q0820D	13Q	G002YR24HR	12.91	14.82	0.006	12.94	88.19	14.05	87.39
13Q0820D	13Q	G010YR24HR	12.63	21.03	0.007	13.14	89.55	14.17	88.60
13Q0820D	13Q	G025YR24HR	12.43	22.28	0.006	12.75	89.97	14.29	89.17
13Q0820D	13Q	G100YR24HR	12.24	21.85	0.006	12.50	90.22	14.07	89.70
13Q0820W	BASE	G002YR24HR	0.00	0.00	0.000	12.94	88.19	25.50	84.52
13Q0820W	BASE	G010YR24HR	0.00	0.00	0.000	13.14	89.55	25.50	84.91
13Q0820W	BASE	G025YR24HR	12.75	52.10	0.023	12.75	89.97	25.50	86.47
13Q0820W	BASE	G100YR24HR	12.50	168.02	0.069	12.50	90.22	13.66	88.89
13Q0821S	13Q	G002YR24HR	14.04	11.13	0.013	14.05	87.39	14.07	85.68
13Q0821S	13Q	G010YR24HR	14.25	13.79	0.020	14.17	88.60	13.87	85.99
13Q0821S	13Q	G025YR24HR	14.21	14.86	-0.005	14.29	89.17	14.56	86.14
13Q0821S	13Q	G100YR24HR	12.61	14.06	-0.008	14.07	89.70	13.66	88.88
13Q0821W	BASE	G002YR24HR	13.55	31.41	-0.006	14.05	87.39	14.07	87.35
13Q0821W	BASE	G010YR24HR	12.57	39.51	-0.088	14.17	88.60	14.17	88.58
13Q0821W	BASE	G025YR24HR	12.31	43.02	0.104	14.29	89.17	14.30	89.16
13Q0821W	BASE	G100YR24HR	11.90	41.42	0.126	14.07	89.70	14.08	89.69
13Q0822S	13Q	G002YR24HR	14.07	11.13	-0.006	14.07	85.68	14.07	84.46
13Q0822S	13Q	G010YR24HR	14.27	13.80	0.007	13.87	85.99	17.64	85.00
13Q0822S	13Q	G025YR24HR	14.24	14.85	-0.006	14.56	86.14	16.12	85.37
13Q0822S	13Q	G100YR24HR	13.44	29.90	0.018	13.66	88.88	15.05	86.29
13Q0822W1	BASE	G002YR24HR	0.00	0.00	0.000	14.07	85.68	25.50	84.52
13Q0822W1	BASE	G010YR24HR	0.00	0.00	0.000	13.87	85.99	25.50	84.91
13Q0822W1	BASE	G025YR24HR	0.00	0.00	0.000	14.56	86.14	25.50	86.47
13Q0822W1	BASE	G100YR24HR	0.00	0.00	0.240	13.66	88.88	13.66	88.89
13Q0822W2	BASE	G002YR24HR	0.00	0.00	0.000	14.07	85.68	14.49	85.83
13Q0822W2	BASE	G010YR24HR	0.00	0.00	0.000	13.87	85.99	14.41	86.23

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0822W2	BASE	G025YR24HR	0.00	0.00	0.000	14.56	86.14	14.80	86.70
13Q0822W2	BASE	G100YR24HR	0.00	0.00	0.000	13.66	88.88	14.71	87.60
13Q0830W_1	13Q	G002YR24HR	14.89	7.44	-0.269	14.07	87.39	14.05	87.39
13Q0830W_1	13Q	G010YR24HR	19.47	13.87	1.893	14.17	88.60	14.17	88.60
13Q0830W_1	13Q	G025YR24HR	22.21	13.71	-2.295	14.30	89.17	14.29	89.17
13Q0830W_1	13Q	G100YR24HR	26.55	16.63	-2.768	14.08	89.70	14.07	89.70
13Q0830W_2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	87.39	14.07	87.35
13Q0830W_2	13Q	G010YR24HR	14.23	13.44	-0.003	14.17	88.60	14.17	88.58
13Q0830W_2	13Q	G025YR24HR	14.43	19.89	-0.009	14.30	89.17	14.30	89.16
13Q0830W_2	13Q	G100YR24HR	14.07	21.28	-0.016	14.08	89.70	14.08	89.69
13Q0850D	13Q	G002YR24HR	12.97	2.46	0.000	12.97	87.92	14.03	87.53
13Q0850D	13Q	G010YR24HR	12.33	4.96	-0.003	12.82	88.04	13.21	88.04
13Q0850D	13Q	G025YR24HR	12.12	5.31	-0.005	12.79	88.15	12.80	88.15
13Q0850D	13Q	G100YR24HR	11.87	4.75	-0.005	22.67	88.34	22.62	88.34
13Q0860W	13Q	G002YR24HR	12.97	0.00	0.000	12.97	87.92	14.03	87.53
13Q0860W	13Q	G010YR24HR	12.54	4.68	-0.015	12.82	88.04	13.21	88.04
13Q0860W	13Q	G025YR24HR	12.24	7.06	-0.031	12.79	88.15	12.80	88.15
13Q0860W	13Q	G100YR24HR	11.97	5.64	-0.054	22.67	88.34	22.62	88.34
13Q0861S	13Q	G002YR24HR	13.12	2.44	0.125	14.03	87.53	14.09	87.37
13Q0861S	13Q	G010YR24HR	12.36	5.46	0.143	13.21	88.04	15.42	88.37
13Q0861S	13Q	G025YR24HR	12.17	5.78	0.148	12.80	88.15	15.94	88.84
13Q0861S	13Q	G100YR24HR	27.37	4.96	-0.151	22.62	88.34	16.81	89.40
13Q0865S	13Q	G002YR24HR	15.29	3.73	0.745	14.09	87.37	14.09	87.35
13Q0865S	13Q	G010YR24HR	20.13	4.51	0.898	15.42	88.37	14.47	88.44
13Q0865S	13Q	G025YR24HR	20.08	6.36	0.889	15.94	88.84	14.64	88.96
13Q0865S	13Q	G100YR24HR	25.43	7.59	0.931	16.81	89.40	14.24	89.53
13Q0870D	13Q	G002YR24HR	15.98	5.50	-0.003	14.91	87.38	14.09	87.35
13Q0870D	13Q	G010YR24HR	20.54	9.89	-0.529	15.45	88.38	14.47	88.44
13Q0870D	13Q	G025YR24HR	23.34	10.08	0.455	15.97	88.85	14.64	88.96
13Q0870D	13Q	G100YR24HR	27.59	9.53	0.504	16.84	89.40	14.24	89.53
13Q0870W	13Q	G002YR24HR	0.00	0.00	0.000	14.91	87.38	14.09	87.37
13Q0870W	13Q	G010YR24HR	16.89	6.41	0.031	15.45	88.38	15.42	88.37
13Q0870W	13Q	G025YR24HR	19.13	9.18	-0.154	15.97	88.85	15.94	88.84
13Q0870W	13Q	G100YR24HR	21.43	9.86	-0.361	16.84	89.40	16.81	89.40
13Q0875S	13Q	G002YR24HR	15.40	8.32	-0.144	14.09	87.35	14.07	87.35
13Q0875S	13Q	G010YR24HR	20.14	12.93	1.184	14.47	88.44	14.17	88.58
13Q0875S	13Q	G025YR24HR	22.93	13.01	1.210	14.64	88.96	14.30	89.16
13Q0875S	13Q	G100YR24HR	27.28	15.35	1.444	14.24	89.53	14.08	89.69
13Q0875W	BASE	G002YR24HR	0.00	0.00	0.000	14.09	87.35	14.07	87.35
13Q0875W	BASE	G010YR24HR	0.00	0.00	0.000	14.47	88.44	14.17	88.58
13Q0875W	BASE	G025YR24HR	0.00	0.00	0.000	14.64	88.96	14.30	89.16
13Q0875W	BASE	G100YR24HR	0.00	0.00	-0.001	14.24	89.53	14.08	89.69
13Q0880S	13Q	G002YR24HR	13.43	29.15	0.006	14.07	87.35	14.48	86.15
13Q0880S	13Q	G010YR24HR	14.03	32.58	1.436	14.17	88.58	14.33	86.65
13Q0880S	13Q	G025YR24HR	13.59	33.68	1.721	14.30	89.16	14.67	87.14
13Q0880S	13Q	G100YR24HR	11.89	32.44	1.920	14.08	89.69	14.61	87.96
13Q0885S	13Q	G002YR24HR	13.65	28.36	0.006	14.48	86.15	14.49	85.83
13Q0885S	13Q	G010YR24HR	14.10	32.54	0.488	14.33	86.65	14.41	86.23
13Q0885S	13Q	G025YR24HR	13.86	33.48	0.689	14.67	87.14	14.80	86.70
13Q0885S	13Q	G100YR24HR	13.43	31.32	0.740	14.61	87.96	14.71	87.60
13Q0890S	13Q	G002YR24HR	14.48	28.25	0.003	14.49	85.83	14.52	85.06
13Q0890S	13Q	G010YR24HR	14.16	32.51	0.005	14.41	86.23	16.29	85.30
13Q0890S	13Q	G025YR24HR	14.00	33.34	0.006	14.80	86.70	15.68	85.58
13Q0890S	13Q	G100YR24HR	13.50	31.06	-0.011	14.71	87.60	14.99	86.44
13Q0895S	13Q	G002YR24HR	14.50	28.25	-98.595	14.52	85.06	14.52	85.01
13Q0895S	13Q	G010YR24HR	14.18	32.47	-98.595	16.29	85.30	16.51	85.25
13Q0895S	13Q	G025YR24HR	14.04	33.28	-98.595	15.68	85.58	15.82	85.52
13Q0895S	13Q	G100YR24HR	12.76	31.86	-98.595	14.99	86.44	15.01	86.38
13Q0895W	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.06	14.52	85.01
13Q0895W	13Q	G010YR24HR	0.00	0.00	0.000	16.29	85.30	16.51	85.25
13Q0895W	13Q	G025YR24HR	0.00	0.00	0.000	15.68	85.58	15.82	85.52
13Q0895W	13Q	G100YR24HR	0.00	0.00	0.000	14.99	86.44	15.01	86.38
13Q0896W_1	13Q	G002YR24HR	14.52	27.05	0.004	14.52	85.01	16.32	84.28
13Q0896W_1	13Q	G010YR24HR	14.23	31.66	0.007	16.51	85.25	17.64	85.00
13Q0896W_1	13Q	G025YR24HR	14.11	32.68	0.005	15.82	85.52	16.12	85.37
13Q0896W_1	13Q	G100YR24HR	12.76	36.84	-12.193	15.01	86.38	15.05	86.29

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0896W_2	13Q	G002YR24HR	13.55	1.30	-0.411	14.52	85.01	16.32	84.28
13Q0896W_2	13Q	G010YR24HR	33.81	1.25	-0.411	16.51	85.25	17.64	85.00
13Q0896W_2	13Q	G025YR24HR	35.94	1.25	-0.411	15.82	85.52	16.12	85.37
13Q0896W_2	13Q	G100YR24HR	39.88	1.28	-0.411	15.01	86.38	15.05	86.29
13Q0896W_3	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.01	16.32	84.28
13Q0896W_3	13Q	G010YR24HR	0.00	0.00	0.000	16.51	85.25	17.64	85.00
13Q0896W_3	13Q	G025YR24HR	0.00	0.00	0.000	15.82	85.52	16.12	85.37
13Q0896W_3	13Q	G100YR24HR	0.00	0.00	0.000	15.01	86.38	15.05	86.29
13Q0924S	13Q	G002YR24HR	12.88	21.57	0.143	13.14	88.70	13.25	88.46
13Q0924S	13Q	G010YR24HR	12.23	18.54	0.142	13.13	89.61	13.13	89.59
13Q0924S	13Q	G025YR24HR	12.04	18.08	0.142	12.76	90.04	12.76	90.01
13Q0924S	13Q	G100YR24HR	11.81	18.86	0.146	12.51	90.34	12.51	90.30
13Q0940S	13Q	G002YR24HR	13.37	25.12	0.159	13.25	88.46	12.94	88.19
13Q0940S	13Q	G010YR24HR	15.46	21.24	0.157	13.13	89.59	13.14	89.55
13Q0940S	13Q	G025YR24HR	12.16	16.36	0.157	12.76	90.01	12.75	89.97
13Q0940S	13Q	G100YR24HR	11.96	18.48	0.157	12.51	90.30	12.50	90.22
13Q2290S	13Q	G002YR24HR	12.77	1.86	-0.001	24.84	80.83	24.84	80.83
13Q2290S	13Q	G010YR24HR	17.14	6.33	0.001	17.84	83.28	17.87	83.11
13Q2290S	13Q	G025YR24HR	18.94	7.38	0.001	20.44	85.48	20.48	85.24
13Q2290S	13Q	G100YR24HR	12.82	9.40	0.002	22.70	88.33	22.74	88.01
13Q2291D	13Q	G002YR24HR	24.84	0.35	0.000	24.84	80.83	25.19	77.01
13Q2291D	13Q	G010YR24HR	17.85	6.30	0.000	17.87	83.11	17.93	78.23
13Q2291D	13Q	G025YR24HR	20.44	7.36	0.001	20.48	85.24	20.78	78.44
13Q2291D	13Q	G100YR24HR	22.71	8.60	0.003	22.74	88.01	22.79	78.81
13Q2291W	13Q	G002YR24HR	0.00	0.00	-0.000	24.84	80.83	12.97	87.92
13Q2291W	13Q	G010YR24HR	0.00	0.00	-0.001	17.84	83.28	12.82	88.04
13Q2291W	13Q	G025YR24HR	0.00	0.00	-0.002	20.44	85.48	12.79	88.15
13Q2291W	13Q	G100YR24HR	0.00	0.00	-0.005	22.70	88.33	22.67	88.34
13Q2292S	13Q	G002YR24HR	24.69	0.35	0.000	25.19	77.01	24.69	76.13
13Q2292S	13Q	G010YR24HR	17.93	6.30	0.001	17.93	78.23	17.93	77.08
13Q2292S	13Q	G025YR24HR	20.55	7.36	-0.002	20.78	78.44	15.89	77.40
13Q2292S	13Q	G100YR24HR	23.15	8.60	0.003	22.79	78.81	13.20	77.40
13Q2293S	13Q	G002YR24HR	24.53	0.36	0.005	16.54	76.06	16.45	76.05
13Q2293S	13Q	G010YR24HR	17.99	6.30	0.023	17.78	76.84	17.65	76.43
13Q2293S	13Q	G025YR24HR	20.54	7.36	0.027	20.18	77.02	19.81	76.52
13Q2293S	13Q	G100YR24HR	24.58	8.61	-0.033	20.06	77.30	12.20	76.79
13Q2294W_1	13Q	G002YR24HR	24.51	0.38	0.004	16.45	76.05	16.42	76.05
13Q2294W_1	13Q	G010YR24HR	18.00	6.31	0.008	17.65	76.43	17.63	76.36
13Q2294W_1	13Q	G025YR24HR	20.48	7.37	0.007	19.81	76.52	12.41	76.50
13Q2294W_1	13Q	G100YR24HR	24.54	8.63	0.003	12.20	76.79	12.19	76.78
13Q2295S	13Q	G002YR24HR	24.50	0.39	-1.690	16.42	76.05	16.41	76.05
13Q2295S	13Q	G010YR24HR	18.00	6.31	-2.805	17.63	76.36	12.51	76.32
13Q2295S	13Q	G025YR24HR	20.44	7.37	-2.989	12.41	76.50	12.34	76.51
13Q2295S	13Q	G100YR24HR	24.53	8.65	-2.782	12.19	76.78	12.18	76.78
13Q2295W	13Q	G002YR24HR	16.41	1.44	0.000	16.41	76.05	24.30	58.02
13Q2295W	13Q	G010YR24HR	12.49	17.09	0.007	12.49	76.33	24.16	59.09
13Q2295W	13Q	G025YR24HR	12.29	33.49	0.016	12.29	76.52	23.88	59.69
13Q2295W	13Q	G100YR24HR	12.18	60.63	0.015	12.18	76.78	24.09	60.87
13Q2296S	13Q	G002YR24HR	24.50	0.41	-1.107	16.41	76.05	16.41	76.05
13Q2296S	13Q	G010YR24HR	17.93	6.31	-2.070	12.51	76.32	12.49	76.33
13Q2296S	13Q	G025YR24HR	20.40	7.37	-2.587	12.34	76.51	12.29	76.52
13Q2296S	13Q	G100YR24HR	24.51	8.67	-2.553	12.18	76.78	12.18	76.78
A_ALTON	13A	G002YR24HR	0.00	0.00	0.000	14.94	17.01	15.04	15.92
A_ALTON	13A	G010YR24HR	15.03	67.15	0.008	15.03	20.09	15.30	17.34
A_ALTON	13A	G025YR24HR	15.10	249.57	0.013	15.10	20.77	15.43	18.06
A_ALTON	13A	G100YR24HR	15.44	516.89	0.055	15.44	21.51	15.96	19.03
A_COSTA	13A	G002YR24HR	0.00	0.00	0.000	14.32	31.19	14.35	30.62
A_COSTA	13A	G010YR24HR	14.28	27.57	0.004	14.28	32.68	13.62	31.85
A_COSTA	13A	G025YR24HR	14.14	229.23	0.018	14.14	33.38	14.19	32.59
A_COSTA	13A	G100YR24HR	13.95	666.18	0.065	13.95	34.09	14.08	33.64
A_EDGEM1	13A	G002YR24HR	0.00	0.00	0.000	12.64	39.08	12.64	38.98
A_EDGEM1	13A	G010YR24HR	12.76	8.72	0.003	12.76	40.32	12.74	40.10
A_EDGEM1	13A	G025YR24HR	12.83	74.06	0.018	12.83	40.85	12.79	40.62
A_EDGEM1	13A	G100YR24HR	13.08	177.66	0.042	12.98	41.50	12.88	41.27
A_EDGEM2	13A	G002YR24HR	15.40	3.17	0.000	15.40	50.51	13.10	42.83

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
A_EDGEM2	13A	G010YR24HR	12.64	24.82	0.007	12.64	50.88	13.08	44.80
A_EDGEM2	13A	G025YR24HR	12.45	44.93	0.012	12.45	51.12	13.27	46.43
A_EDGEM2	13A	G100YR24HR	12.34	80.08	0.014	12.34	51.47	13.65	48.43
A_FOOTBR	13A	G002YR24HR	0.00	0.00	0.000	14.42	29.73	14.43	29.50
A_FOOTBR	13A	G010YR24HR	0.00	0.00	0.000	13.62	31.39	14.35	31.11
A_FOOTBR	13A	G025YR24HR	14.21	27.14	0.004	14.21	32.08	14.21	31.81
A_FOOTBR	13A	G100YR24HR	14.15	395.34	0.036	14.16	33.18	14.23	32.96
A_HAYES	13A	G002YR24HR	0.00	0.00	0.000	14.58	26.07	14.60	25.32
A_HAYES	13A	G010YR24HR	14.59	154.93	0.026	14.59	27.55	14.69	26.64
A_HAYES	13A	G025YR24HR	14.66	480.90	0.043	14.66	28.08	14.81	27.64
A_HAYES	13A	G100YR24HR	14.10	1024.11	0.108	15.13	30.62	15.14	30.61
A_LAURA	13A	G002YR24HR	0.00	0.00	0.000	33.87	49.93	34.18	49.06
A_LAURA	13A	G010YR24HR	0.00	0.00	0.000	31.37	51.36	31.56	50.59
A_LAURA	13A	G025YR24HR	0.00	0.00	0.000	29.95	52.29	30.06	51.45
A_LAURA	13A	G100YR24HR	26.38	156.43	-0.019	26.38	53.39	26.33	52.81
A_MOSS	13A	G002YR24HR	12.61	143.40	0.036	12.91	37.68	12.92	37.65
A_MOSS	13A	G010YR24HR	12.60	283.32	0.051	13.06	38.53	13.07	38.49
A_MOSS	13A	G025YR24HR	12.43	378.11	0.048	13.10	39.03	13.12	38.98
A_MOSS	13A	G100YR24HR	12.33	508.26	0.087	13.19	39.73	13.20	39.67
A_MURPHY	13A	G002YR24HR	0.00	0.00	0.000	12.67	39.99	12.67	39.90
A_MURPHY	13A	G010YR24HR	0.00	0.00	0.000	12.82	41.04	12.81	40.95
A_MURPHY	13A	G025YR24HR	0.00	0.00	0.000	12.93	41.56	12.92	41.47
A_MURPHY	13A	G100YR24HR	0.00	0.00	0.000	13.15	42.51	13.11	42.11
A_TRADEW	13A	G002YR24HR	0.00	0.00	0.000	15.40	50.51	18.66	45.43
A_TRADEW	13A	G010YR24HR	12.64	15.81	0.005	12.64	50.88	20.41	47.13
A_TRADEW	13A	G025YR24HR	12.45	33.69	0.010	12.45	51.12	22.28	47.85
A_TRADEW	13A	G100YR24HR	12.34	66.24	0.013	12.34	51.47	24.41	48.97
C_ALTON	13C	G002YR24HR	0.00	0.00	0.000	15.11	17.31	15.22	16.96
C_ALTON	13C	G010YR24HR	15.15	9.17	0.001	15.15	19.56	15.39	17.78
C_ALTON	13C	G025YR24HR	14.65	107.44	0.012	14.65	19.95	15.40	18.34
C_ALTON	13C	G100YR24HR	14.32	306.40	0.055	14.32	20.30	17.69	19.36
C_HAYES	13C	G002YR24HR	0.00	0.00	0.000	13.16	31.96	13.48	31.28
C_HAYES	13C	G010YR24HR	0.00	0.00	0.000	13.24	32.79	13.62	31.52
C_HAYES	13C	G025YR24HR	0.00	0.00	0.000	13.37	33.32	13.58	31.66
C_HAYES	13C	G100YR24HR	13.35	8.30	0.002	13.35	34.14	13.47	31.90
C_JEEP	13C	G002YR24HR	15.70	104.81	0.009	15.65	15.73	15.54	15.36
C_JEEP	13C	G010YR24HR	16.47	218.08	0.011	15.85	16.99	15.68	16.65
C_JEEP	13C	G025YR24HR	17.71	284.54	0.012	15.86	17.78	15.76	17.44
C_JEEP	13C	G100YR24HR	22.22	551.32	0.013	18.09	19.03	16.21	18.55
C_SHORE	13C	G002YR24HR	0.00	0.00	0.000	13.55	28.88	13.58	28.08
C_SHORE	13C	G010YR24HR	13.62	37.06	0.006	13.62	30.13	13.62	28.72
C_SHORE	13C	G025YR24HR	13.23	113.21	0.019	13.23	30.35	13.21	29.15
C_SHORE	13C	G100YR24HR	12.99	229.54	0.040	12.99	30.58	12.92	29.60
D_FLAMIN	13D	G002YR24HR	0.00	0.00	0.000	12.40	40.26	12.35	39.00
D_FLAMIN	13D	G010YR24HR	12.25	63.71	0.064	12.25	41.54	12.25	39.56
D_FLAMIN	13D	G025YR24HR	12.22	127.75	0.104	12.22	41.70	12.23	39.89
D_FLAMIN	13D	G100YR24HR	12.21	236.90	0.114	12.21	41.90	12.21	40.28
D_MOSS1	13D	G002YR24HR	0.00	0.00	0.000	12.31	37.15	12.36	33.44
D_MOSS1	13D	G010YR24HR	0.00	0.00	0.000	12.23	37.45	12.27	34.73
D_MOSS1	13D	G025YR24HR	0.00	0.00	0.000	12.20	37.62	12.26	35.38
D_MOSS1	13D	G100YR24HR	0.00	0.00	0.000	12.22	38.07	12.25	36.24
D_MOSS2	13D	G002YR24HR	12.34	81.09	0.100	12.34	38.82	12.36	33.44
D_MOSS2	13D	G010YR24HR	12.25	229.89	0.121	12.25	39.26	12.27	34.73
D_MOSS2	13D	G025YR24HR	12.24	330.09	0.116	12.24	39.50	12.26	35.38
D_MOSS2	13D	G100YR24HR	12.22	510.42	0.132	12.22	39.88	12.25	36.24
D_MOSS3	13D	G002YR24HR	12.37	99.16	0.126	12.35	38.92	12.34	38.82
D_MOSS3	13D	G010YR24HR	12.26	207.80	0.140	12.25	39.38	12.25	39.26
D_MOSS3	13D	G025YR24HR	12.23	280.07	0.134	12.23	39.64	12.24	39.50
D_MOSS3	13D	G100YR24HR	12.22	407.11	-0.168	12.22	40.05	12.22	39.88
F_EDGEMO	13F	G002YR24HR	0.00	0.00	0.000	12.92	50.76	13.10	42.83
F_EDGEMO	13F	G010YR24HR	0.00	0.00	0.000	12.78	50.99	13.08	44.80
F_EDGEMO	13F	G025YR24HR	12.67	0.57	0.000	12.67	51.09	13.27	46.43
F_EDGEMO	13F	G100YR24HR	12.50	4.64	0.001	12.50	51.21	13.65	48.43
F_LAKE1	13F	G002YR24HR	0.00	0.00	0.000	29.00	62.88	12.98	55.23
F_LAKE1	13F	G010YR24HR	17.80	3.57	0.000	17.80	63.60	12.30	55.45
F_LAKE1	13F	G025YR24HR	14.62	14.82	0.002	14.62	63.69	16.79	55.72

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
F_LAKE1	13F	G100YR24HR	13.44	41.97	0.010	13.44	63.83	17.00	56.78
F_LAKE2	13F	G002YR24HR	0.00	0.00	0.000	17.70	64.97	12.98	55.23
F_LAKE2	13F	G010YR24HR	0.00	0.00	0.000	12.66	65.10	12.30	55.45
F_LAKE2	13F	G025YR24HR	22.52	2.85	0.000	22.52	65.50	16.79	55.72
F_LAKE2	13F	G100YR24HR	13.54	24.91	0.008	13.54	65.65	17.00	56.78
F_LAKE3	13F	G002YR24HR	0.00	0.00	0.000	72.00	60.78	12.98	55.23
F_LAKE3	13F	G010YR24HR	0.00	0.00	0.000	72.00	64.17	12.30	55.45
F_LAKE3	13F	G025YR24HR	0.00	0.00	0.000	22.52	65.50	16.79	55.72
F_LAKE3	13F	G100YR24HR	0.00	0.00	0.000	13.54	65.66	17.00	56.78
F_MURPHY	13F	G002YR24HR	12.92	2.44	0.000	12.92	50.76	25.36	46.93
F_MURPHY	13F	G010YR24HR	12.78	19.19	0.003	12.78	50.99	25.90	47.65
F_MURPHY	13F	G025YR24HR	12.67	35.66	0.006	12.67	51.09	24.57	48.02
F_MURPHY	13F	G100YR24HR	12.50	63.47	0.011	12.50	51.21	20.14	48.37
F_SEVENT	13F	G002YR24HR	0.00	0.00	0.000	25.36	46.93	25.44	46.04
F_SEVENT	13F	G010YR24HR	0.00	0.00	0.000	25.90	47.65	31.72	46.43
F_SEVENT	13F	G025YR24HR	24.57	13.40	0.000	24.57	48.02	25.02	46.91
F_SEVENT	13F	G100YR24HR	20.14	65.09	0.002	20.14	48.37	24.32	47.82
I_CHURCH	13I	G002YR24HR	0.00	0.00	0.000	25.50	71.57	12.78	62.42
I_CHURCH	13I	G010YR24HR	0.00	0.00	0.000	25.50	72.12	12.72	64.49
I_CHURCH	13I	G025YR24HR	0.00	0.00	0.000	25.50	72.50	12.63	64.65
I_CHURCH	13I	G100YR24HR	0.00	0.00	0.000	25.50	73.14	12.65	64.84
I_CR434	13I	G002YR24HR	0.00	0.00	0.000	12.78	62.42	13.26	60.07
I_CR434	13I	G010YR24HR	12.72	72.72	0.047	12.72	64.49	19.91	60.63
I_CR434	13I	G025YR24HR	12.63	174.33	0.110	12.63	64.65	20.48	61.50
I_CR434	13I	G100YR24HR	12.65	363.77	0.171	12.65	64.84	19.34	62.86
I_EAST	13I	G002YR24HR	13.69	3.89	0.003	13.69	62.67	26.43	62.60
I_EAST	13I	G010YR24HR	12.67	23.33	0.058	24.25	63.17	24.31	63.17
I_EAST	13I	G025YR24HR	12.51	41.87	0.058	17.81	63.29	17.86	63.28
I_EAST	13I	G100YR24HR	12.39	76.47	0.058	14.03	63.54	14.01	63.53
I_GRANT	13I	G002YR24HR	13.62	9.41	0.001	13.62	65.72	12.78	62.42
I_GRANT	13I	G010YR24HR	13.19	61.24	0.009	13.19	66.15	12.72	64.49
I_GRANT	13I	G025YR24HR	13.01	95.60	0.014	13.01	66.32	12.63	64.65
I_GRANT	13I	G100YR24HR	12.98	164.82	0.023	12.98	66.59	12.65	64.84
I_MAGNOL	13I	G002YR24HR	0.00	0.00	0.000	25.50	73.89	12.78	62.42
I_MAGNOL	13I	G010YR24HR	0.00	0.00	0.000	25.50	74.98	12.72	64.49
I_MAGNOL	13I	G025YR24HR	18.64	3.27	0.000	18.64	75.30	12.63	64.65
I_MAGNOL	13I	G100YR24HR	12.94	26.25	0.008	12.94	75.46	12.65	64.84
I_WILDME	13I	G002YR24HR	0.00	0.00	0.000	19.08	59.22	19.18	59.12
I_WILDME	13I	G010YR24HR	0.00	0.00	0.000	20.08	60.62	20.02	60.08
I_WILDME	13I	G025YR24HR	20.50	35.30	0.001	20.50	61.49	20.55	60.81
I_WILDME	13I	G100YR24HR	19.05	155.68	0.028	19.37	62.86	19.37	62.84
J_CR427	13J	G002YR24HR	0.00	0.00	0.000	16.39	77.81	15.95	77.46
J_CR427	13J	G010YR24HR	0.00	0.00	0.000	16.33	78.65	15.50	78.09
J_CR427	13J	G025YR24HR	0.00	0.00	0.000	16.47	79.30	15.47	78.34
J_CR427	13J	G100YR24HR	0.00	0.00	0.000	17.10	80.24	16.57	78.65
J_GRANT	13J	G002YR24HR	0.00	0.00	0.000	12.36	60.44	27.01	53.96
J_GRANT	13J	G010YR24HR	12.25	28.29	0.016	12.25	61.49	30.38	55.31
J_GRANT	13J	G025YR24HR	12.21	57.49	0.018	12.21	61.66	33.16	56.45
J_GRANT	13J	G100YR24HR	12.18	106.30	0.024	12.18	61.87	33.96	58.51
J_MARVIN	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.84	68.23
J_MARVIN	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.84	68.86
J_MARVIN	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	13.05	71.77
J_MARVIN	13J	G100YR24HR	12.93	5.52	0.042	12.93	74.58	12.88	73.24
J_OLEAND	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.26
J_OLEAND	13J	G010YR24HR	13.39	16.86	0.003	13.39	76.75	13.64	76.24
J_OLEAND	13J	G025YR24HR	12.93	34.46	0.007	12.93	76.84	12.99	76.50
J_OLEAND	13J	G100YR24HR	12.86	58.13	0.011	12.86	76.93	12.92	76.65
J_OVERST	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.28	74.25
J_OVERST	13J	G010YR24HR	13.64	0.67	0.000	13.64	76.22	13.66	75.15
J_OVERST	13J	G025YR24HR	12.99	37.63	0.009	12.99	76.47	13.01	76.18
J_OVERST	13J	G100YR24HR	12.90	73.74	0.024	12.91	76.61	12.91	76.56
J_TULLIS	13J	G002YR24HR	0.00	0.00	0.000	15.83	76.86	15.68	76.65
J_TULLIS	13J	G010YR24HR	0.00	0.00	0.000	14.11	77.42	13.88	77.08
J_TULLIS	13J	G025YR24HR	13.73	0.52	0.000	13.73	77.61	13.48	77.19
J_TULLIS	13J	G100YR24HR	13.03	18.68	0.004	13.03	77.84	13.12	77.42

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
J_WILDME	13J	G002YR24HR	0.00	0.00	0.000	15.62	76.61	15.18	76.23
J_WILDME	13J	G010YR24HR	0.00	0.00	0.000	13.76	77.06	13.40	76.76
J_WILDME	13J	G025YR24HR	0.00	0.00	0.000	13.43	77.17	12.93	76.84
J_WILDME	13J	G100YR24HR	0.00	0.00	0.000	13.11	77.41	12.87	76.94
K_#1792N	13K	G002YR24HR	0.00	0.00	0.000	12.24	61.68	12.26	60.27
K_#1792N	13K	G010YR24HR	0.00	0.00	0.000	12.61	63.02	12.15	60.85
K_#1792N	13K	G025YR24HR	15.92	9.79	0.003	15.92	64.46	12.10	60.90
K_#1792N	13K	G100YR24HR	13.75	152.05	0.027	13.75	65.02	13.74	61.21
K_#1792S	13K	G002YR24HR	0.00	0.00	0.000	12.23	62.69	12.24	61.68
K_#1792S	13K	G010YR24HR	0.00	0.00	0.000	12.80	64.37	12.61	63.02
K_#1792S	13K	G025YR24HR	15.88	45.38	0.002	15.88	65.25	15.92	64.46
K_#1792S	13K	G100YR24HR	13.72	192.29	0.022	13.72	65.73	13.75	65.02
K_GOLDEN	13K	G002YR24HR	0.00	0.00	0.000	12.85	63.37	12.23	62.69
K_GOLDEN	13K	G010YR24HR	13.55	38.88	0.073	12.81	64.40	12.80	64.37
K_GOLDEN	13K	G025YR24HR	15.90	45.36	0.190	15.88	65.26	15.88	65.25
K_GOLDEN	13K	G100YR24HR	13.68	98.63	0.550	13.72	65.76	13.72	65.73
K_GRIFF1	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	18.51	74.72
K_GRIFF1	13K	G010YR24HR	0.00	0.00	0.000	16.24	76.23	16.01	75.07
K_GRIFF1	13K	G025YR24HR	14.76	1.71	0.000	14.76	76.51	14.67	75.13
K_GRIFF1	13K	G100YR24HR	13.59	31.22	0.004	13.59	76.86	13.60	75.46
K_GRIFF2	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.23	62.69
K_GRIFF2	13K	G010YR24HR	16.24	2.73	0.000	16.24	76.23	12.80	64.37
K_GRIFF2	13K	G025YR24HR	14.76	25.79	0.002	14.76	76.51	15.88	65.25
K_GRIFF2	13K	G100YR24HR	13.59	71.41	0.009	13.59	76.86	13.72	65.73
K_GRIFF3	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.25	73.73
K_GRIFF3	13K	G010YR24HR	16.24	1.59	0.000	16.24	76.23	12.15	74.31
K_GRIFF3	13K	G025YR24HR	14.76	15.04	0.001	14.76	76.51	12.14	74.57
K_GRIFF3	13K	G100YR24HR	13.59	41.66	0.005	13.59	76.86	12.12	74.94
K_SEMINO	13K	G002YR24HR	0.00	0.00	0.000	12.26	60.27	33.22	51.70
K_SEMINO	13K	G010YR24HR	12.15	11.12	0.019	12.15	60.85	30.65	52.75
K_SEMINO	13K	G025YR24HR	12.10	23.02	0.034	12.10	60.90	29.37	53.25
K_SEMINO	13K	G100YR24HR	13.74	161.16	0.041	13.74	61.21	26.18	53.95
K_SLUMBE	13K	G002YR24HR	0.00	0.00	0.000	12.94	64.69	12.85	63.37
K_SLUMBE	13K	G010YR24HR	0.00	0.00	0.000	13.69	66.48	12.81	64.40
K_SLUMBE	13K	G025YR24HR	15.54	11.61	0.002	15.54	67.87	15.88	65.26
K_SLUMBE	13K	G100YR24HR	13.33	66.72	0.016	13.33	68.13	13.72	65.76
L_CGC12	13L	G002YR24HR	0.00	0.00	0.000	12.61	55.25	12.56	54.84
L_CGC12	13L	G010YR24HR	13.05	17.87	0.004	13.05	56.19	12.56	55.70
L_CGC12	13L	G025YR24HR	13.11	152.35	0.025	13.11	56.68	12.90	56.22
L_CGC12	13L	G100YR24HR	12.83	419.63	0.062	13.08	57.27	13.09	57.18
L_CGC13	13L	G002YR24HR	14.65	1.64	0.000	14.65	56.01	15.64	55.92
L_CGC13	13L	G010YR24HR	14.03	132.42	0.019	14.61	56.79	14.61	56.78
L_CGC13	13L	G025YR24HR	13.02	174.91	0.030	14.41	57.23	14.41	57.23
L_CGC13	13L	G100YR24HR	12.55	250.76	0.149	15.00	58.14	15.00	58.14
L_CGC14	13L	G002YR24HR	12.88	9.34	0.002	12.88	56.55	14.65	56.01
L_CGC14	13L	G010YR24HR	12.62	128.55	0.026	12.62	57.01	14.61	56.79
L_CGC14	13L	G025YR24HR	12.51	206.94	0.044	14.40	57.24	14.41	57.23
L_CGC14	13L	G100YR24HR	12.57	371.32	0.059	15.00	58.14	15.00	58.14
L_KATHRY	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	33.22	51.70
L_KATHRY	13L	G010YR24HR	12.08	0.11	-0.000	12.08	54.08	30.65	52.75
L_KATHRY	13L	G025YR24HR	12.08	1.31	0.001	12.08	54.15	29.37	53.25
L_KATHRY	13L	G100YR24HR	14.37	25.86	0.002	14.37	54.50	26.18	53.95
L_NTRIPL	13L	G002YR24HR	14.70	1.08	0.000	14.70	54.65	28.16	52.13
L_NTRIPL	13L	G010YR24HR	13.06	28.07	0.005	13.06	54.93	26.23	53.32
L_NTRIPL	13L	G025YR24HR	12.80	49.58	0.011	12.80	55.03	26.76	54.08
L_NTRIPL	13L	G100YR24HR	12.60	87.14	-0.167	12.60	55.17	26.42	55.16
L_OXFORD	13L	G002YR24HR	0.00	0.00	0.000	12.57	71.28	13.01	70.85
L_OXFORD	13L	G010YR24HR	0.00	0.00	0.000	12.96	72.71	13.72	72.03
L_OXFORD	13L	G025YR24HR	13.14	32.94	0.009	13.14	74.07	14.22	73.42
L_OXFORD	13L	G100YR24HR	12.92	174.12	0.046	12.98	74.66	13.34	74.46
P_MORSE	13P	G002YR24HR	23.77	0.86	-0.000	23.77	89.63	12.79	87.74
P_MORSE	13P	G010YR24HR	13.26	9.20	0.001	13.26	89.79	14.73	88.42
P_MORSE	13P	G025YR24HR	12.80	25.93	0.004	12.80	89.95	16.90	89.05
P_MORSE	13P	G100YR24HR	12.48	75.82	0.016	12.48	90.14	15.62	90.05
P_NTRIPL	13P	G002YR24HR	0.00	0.00	0.000	12.49	57.26	12.53	55.40
P_NTRIPL	13P	G010YR24HR	0.00	0.00	0.000	12.47	58.30	12.49	55.72

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P_NTRIPL	13P	G025YR24HR	0.00	0.00	0.000	12.41	58.66	12.42	55.85
P_NTRIPL	13P	G100YR24HR	0.00	0.00	0.000	12.34	58.88	12.35	56.09
P_SOUTHC	13P	G002YR24HR	0.00	0.00	0.000	12.39	75.64	12.52	74.83
P_SOUTHC	13P	G010YR24HR	0.00	0.00	0.000	12.39	75.94	12.44	75.14
P_SOUTHC	13P	G025YR24HR	0.00	0.00	0.000	12.42	76.15	12.47	75.36
P_SOUTHC	13P	G100YR24HR	0.00	0.00	0.000	13.45	76.70	13.57	75.92
Q_ANCHO1	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	14.05	87.39
Q_ANCHO1	13Q	G010YR24HR	13.14	12.41	0.003	13.14	89.55	14.17	88.60
Q_ANCHO1	13Q	G025YR24HR	12.75	30.67	0.006	12.75	89.97	14.29	89.17
Q_ANCHO1	13Q	G100YR24HR	12.50	44.34	0.013	12.50	90.22	14.07	89.70
Q_OAK	13Q	G002YR24HR	0.00	0.00	0.000	13.25	88.46	12.94	88.19
Q_OAK	13Q	G010YR24HR	13.01	36.51	0.012	13.13	89.59	13.14	89.55
Q_OAK	13Q	G025YR24HR	12.77	70.63	0.021	12.76	90.01	12.75	89.97
Q_OAK	13Q	G100YR24HR	12.56	121.97	0.040	12.51	90.30	12.50	90.22
Q_PINE	13Q	G002YR24HR	13.14	3.96	0.001	13.14	88.70	13.25	88.46
Q_PINE	13Q	G010YR24HR	12.64	44.39	0.019	13.13	89.61	13.13	89.59
Q_PINE	13Q	G025YR24HR	12.73	67.42	0.025	12.76	90.04	12.76	90.01
Q_PINE	13Q	G100YR24HR	12.55	110.28	0.026	12.51	90.34	12.51	90.30

Appendix D
Existing Conditions
(Hydrologic & Hydraulic Model Data)

D.5 Node Max Comparison Report – Existing Condition

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
12-01-02	12	G002YR24HR	15.83	15.96	0.00	0.0012	27	0.00	0.00	20.22	94.48
12-01-02	12	G010YR24HR	16.67	17.33	0.00	0.0012	27	0.00	0.00	22.94	152.64
12-01-02	12	G025YR24HR	17.17	18.14	0.00	0.0012	27	0.00	0.00	27.41	213.55
12-01-02	12	G100YR24HR	22.17	19.86	0.00	0.0012	27	0.00	0.00	22.17	518.76
13A0100N	13A	G002YR24HR	15.37	10.21	0.00	0.0001	19257	15.35	587.13	15.37	587.12
13A0100N	13A	G010YR24HR	15.60	11.75	0.00	0.0002	60596	15.54	1008.58	15.60	1008.46
13A0100N	13A	G025YR24HR	15.68	12.69	0.00	0.0002	67053	15.62	1277.38	15.68	1277.22
13A0100N	13A	G100YR24HR	15.89	13.60	0.00	0.0003	84339	15.89	1661.41	15.89	1661.99
13A0300N	13A	G002YR24HR	15.37	10.69	0.00	0.0001	23428	15.33	586.03	15.35	585.99
13A0300N	13A	G010YR24HR	15.58	12.40	0.00	0.0002	26747	15.51	1007.03	15.54	1006.93
13A0300N	13A	G025YR24HR	15.66	13.39	0.00	0.0003	28357	15.60	1275.52	15.63	1275.40
13A0300N	13A	G100YR24HR	15.90	14.48	0.00	0.0003	31314	15.89	1658.98	15.90	1658.98
13A0500N	13A	G002YR24HR	15.37	10.87	22.78	-0.0002	11731	15.38	570.51	15.39	570.52
13A0500N	13A	G010YR24HR	15.58	12.60	22.78	0.0002	20494	15.61	979.91	15.63	979.96
13A0500N	13A	G025YR24HR	15.67	13.61	22.78	0.0003	22432	15.71	1240.20	15.73	1240.28
13A0500N	13A	G100YR24HR	15.93	14.73	22.78	0.0003	25679	16.15	1612.90	16.17	1613.09
13A0600N	13A	G002YR24HR	15.37	11.41	9.75	-0.0004	14405	15.36	570.51	15.38	570.51
13A0600N	13A	G010YR24HR	15.59	13.27	9.75	-0.0008	22455	17.07	984.71	15.61	979.91
13A0600N	13A	G025YR24HR	15.68	14.30	9.75	0.0008	24261	15.68	1240.17	15.71	1240.20
13A0600N	13A	G100YR24HR	16.03	15.57	9.75	0.0008	24261	16.12	1612.79	16.15	1612.90
13A0725N	13A	G002YR24HR	12.83	16.60	0.00	0.0002	523	12.82	19.66	12.83	19.65
13A0725N	13A	G010YR24HR	13.60	17.15	0.00	-0.0004	451	13.13	23.62	13.12	23.62
13A0725N	13A	G025YR24HR	14.26	18.35	0.00	-0.0008	451	12.46	24.73	12.46	24.71
13A0725N	13A	G100YR24HR	14.71	20.31	0.00	-0.0005	451	12.08	26.91	12.05	26.47
13A0735P	13A	G002YR24HR	12.85	19.49	24.95	0.0000	39537	12.58	20.31	12.85	18.92
13A0735P	13A	G010YR24HR	13.35	20.30	24.95	0.0001	43317	12.58	34.95	13.18	22.89
13A0735P	13A	G025YR24HR	13.81	21.30	24.95	0.0001	47958	12.58	45.28	13.20	22.45
13A0735P	13A	G100YR24HR	14.41	23.30	24.95	0.0002	57232	12.58	63.35	13.76	22.37
13A0800N	13A	G002YR24HR	15.37	11.49	9.65	0.0004	53009	15.31	567.05	15.38	566.91
13A0800N	13A	G010YR24HR	15.59	13.53	9.65	0.0004	57493	15.53	974.55	17.07	981.02
13A0800N	13A	G025YR24HR	15.68	14.84	9.65	0.0004	59239	15.62	1233.51	15.70	1233.38
13A0800N	13A	G100YR24HR	16.07	16.47	9.65	0.0006	66501	16.09	1604.32	16.17	1604.57
13A0820P	13A	G002YR24HR	13.88	22.12	0.00	0.0000	60592	13.75	18.78	13.88	18.71
13A0820P	13A	G010YR24HR	13.84	22.20	0.00	0.0000	61651	13.75	31.80	13.84	31.71
13A0820P	13A	G025YR24HR	13.82	22.24	0.00	0.0000	62310	13.75	40.99	13.82	40.89
13A0820P	13A	G100YR24HR	13.80	22.31	0.00	0.0000	63359	13.75	57.11	13.80	56.99
13A0900N	13A	G002YR24HR	15.40	14.37	11.65	0.0003	78751	15.31	546.29	15.40	545.98
13A0900N	13A	G010YR24HR	15.65	15.94	11.65	0.0003	84798	15.59	942.01	15.67	941.87
13A0900N	13A	G025YR24HR	15.72	16.84	11.65	0.0003	87639	15.67	1183.46	15.75	1183.41
13A0900N	13A	G100YR24HR	16.15	18.07	11.65	0.0003	90090	16.19	1546.08	16.30	1546.49
13A0950N	13A	G002YR24HR	15.36	15.01	0.00	0.0004	68169	15.24	546.82	15.31	546.29
13A0950N	13A	G010YR24HR	15.63	16.50	0.00	0.0004	79840	15.53	942.45	15.59	942.01
13A0950N	13A	G025YR24HR	15.71	17.34	0.00	0.0004	81904	15.60	1183.86	15.67	1183.46
13A0950N	13A	G100YR24HR	16.16	18.46	0.00	0.0004	81999	16.11	1546.13	16.19	1546.08
13A1000N	13A	G002YR24HR	15.32	15.09	12.55	0.0003	43850	14.85	382.35	14.90	380.69
13A1000N	13A	G010YR24HR	15.60	16.57	12.55	0.0003	70236	14.86	676.69	14.93	672.92
13A1000N	13A	G025YR24HR	15.69	17.39	12.55	0.0003	85118	14.88	861.18	14.99	856.20

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A1000N	13A	G100YR24HR	16.14	18.50	12.55	0.0003	86830	14.85	1114.82	14.98	1109.74
13A1100N	13A	G002YR24HR	15.04	15.92	18.35	0.0003	23009	14.83	379.35	14.86	378.90
13A1100N	13A	G010YR24HR	15.30	17.34	18.35	0.0002	31330	14.86	671.08	14.89	670.15
13A1100N	13A	G025YR24HR	15.43	18.06	18.35	0.0003	36543	14.89	853.69	14.93	852.45
13A1100N	13A	G100YR24HR	15.96	19.03	18.35	0.0002	41681	14.91	1103.76	14.97	1102.16
13A1300N	13A	G002YR24HR	14.94	17.01	14.25	0.0004	18998	14.81	372.01	14.87	371.55
13A1300N	13A	G010YR24HR	15.03	20.09	14.25	0.0005	40081	14.88	657.85	14.93	657.40
13A1300N	13A	G025YR24HR	15.10	20.77	14.25	0.0005	59944	14.93	836.52	14.98	835.99
13A1300N	13A	G100YR24HR	15.44	21.51	14.25	0.0006	60683	15.09	1079.90	15.13	1079.46
13A1400N	13A	G002YR24HR	14.88	18.45	22.05	0.0003	16041	14.79	370.10	14.83	369.90
13A1400N	13A	G010YR24HR	14.98	20.80	22.05	0.0004	27083	14.88	654.79	14.91	654.57
13A1400N	13A	G025YR24HR	15.03	21.50	22.05	0.0005	35035	14.94	832.68	14.97	832.50
13A1400N	13A	G100YR24HR	15.31	22.24	22.05	0.0007	37254	15.13	1075.16	15.16	1075.01
13A1600N	13A	G002YR24HR	14.87	18.90	20.35	0.0004	14891	14.70	370.25	14.79	369.41
13A1600N	13A	G010YR24HR	14.91	23.76	20.35	0.0009	32179	14.75	654.54	14.88	653.62
13A1600N	13A	G025YR24HR	14.96	26.30	20.35	0.0011	51697	14.72	833.24	14.94	831.18
13A1600N	13A	G100YR24HR	15.17	30.23	20.35	0.0013	53179	14.85	1075.01	15.15	1073.15
13A1700N	13A	G002YR24HR	14.78	21.45	19.35	0.0003	40405	14.61	369.68	14.71	368.52
13A1700N	13A	G010YR24HR	14.88	24.58	19.35	0.0005	70608	14.58	655.01	14.77	651.77
13A1700N	13A	G025YR24HR	14.95	26.59	19.35	0.0007	90518	14.42	838.60	14.74	829.67
13A1700N	13A	G100YR24HR	15.17	30.30	19.35	0.0008	101163	14.23	1086.39	14.88	1070.32
13A1800N	13A	G002YR24HR	14.69	22.76	21.45	0.0007	34637	14.56	364.81	14.63	364.12
13A1800N	13A	G010YR24HR	14.82	25.29	21.45	0.0003	60577	14.44	649.04	14.61	645.70
13A1800N	13A	G025YR24HR	14.90	27.04	21.45	0.0005	75782	14.29	835.81	14.46	826.18
13A1800N	13A	G100YR24HR	15.15	30.47	21.45	0.0006	84114	14.07	1090.77	14.36	1068.32
13A1900N	13A	G002YR24HR	14.60	25.32	0.00	-0.0012	20188	14.54	363.00	14.56	362.87
13A1900N	13A	G010YR24HR	14.69	26.64	0.00	-0.0013	34798	14.39	646.63	14.45	645.76
13A1900N	13A	G025YR24HR	14.81	27.64	0.00	-0.0013	37074	14.10	834.71	14.30	831.47
13A1900N	13A	G100YR24HR	15.14	30.61	0.00	-0.0013	38036	14.03	1094.94	14.07	1084.16
13A2100N	13A	G002YR24HR	14.58	26.07	25.29	-0.0006	36395	14.58	361.97	14.55	360.26
13A2100N	13A	G010YR24HR	14.59	27.55	25.29	0.0008	83055	14.34	642.76	14.42	641.81
13A2100N	13A	G025YR24HR	14.66	28.08	25.29	0.0008	94087	14.11	831.84	14.28	828.03
13A2100N	13A	G100YR24HR	15.13	30.62	25.29	0.0008	147173	13.83	1125.85	14.07	1084.18
13A2200N	13A	G002YR24HR	14.58	27.79	26.35	0.0003	55651	14.40	360.96	14.58	361.33
13A2200N	13A	G010YR24HR	13.80	29.46	26.35	0.0005	74212	13.64	643.85	14.35	641.64
13A2200N	13A	G025YR24HR	14.20	29.91	26.35	0.0004	74426	14.10	829.61	14.11	830.26
13A2200N	13A	G100YR24HR	14.94	31.37	26.35	0.0006	77751	13.79	1137.65	13.83	1123.46
13A2220P	13A	G002YR24HR	14.12	30.70	32.55	0.0000	109354	12.08	14.37	14.12	1.87
13A2220P	13A	G010YR24HR	13.16	31.16	32.55	0.0001	113060	12.08	35.43	13.16	6.29
13A2220P	13A	G025YR24HR	13.02	31.52	32.55	0.0001	115908	12.08	52.00	13.02	10.72
13A2220P	13A	G100YR24HR	13.07	32.22	32.55	0.0002	121481	12.08	82.71	12.68	15.69
13A2300N	13A	G002YR24HR	14.43	29.50	28.45	0.0002	34428	14.36	354.26	14.42	354.04
13A2300N	13A	G010YR24HR	14.35	31.11	28.45	0.0037	37697	13.62	1110.03	14.36	627.06
13A2300N	13A	G025YR24HR	14.21	31.81	28.45	0.0037	37960	12.80	1112.05	14.21	808.21
13A2300N	13A	G100YR24HR	14.23	32.96	28.45	0.0037	48505	12.31	1111.01	13.83	1103.75
13A2350N	13A	G002YR24HR	14.42	29.73	0.00	0.0002	36090	14.29	354.63	14.36	354.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A2350N	13A	G010YR24HR	13.62	31.39	0.00	-0.0036	36887	13.63	650.17	13.62	1109.43
13A2350N	13A	G025YR24HR	14.21	32.08	0.00	-0.0035	38669	14.12	808.10	12.80	1110.04
13A2350N	13A	G100YR24HR	14.16	33.18	0.00	-0.0033	47958	13.82	1108.61	13.83	1106.03
13A2400N	13A	G002YR24HR	14.35	30.62	30.65	0.0003	42888	14.21	354.06	14.29	353.39
13A2400N	13A	G010YR24HR	13.62	31.85	30.65	-0.0008	64573	12.82	627.67	13.63	647.43
13A2400N	13A	G025YR24HR	14.19	32.59	30.65	0.0008	70226	14.05	806.20	14.13	805.31
13A2400N	13A	G100YR24HR	14.08	33.64	30.65	0.0009	80193	13.77	1107.97	13.83	1104.39
13A2600N	13A	G002YR24HR	14.32	31.19	30.25	0.0003	92465	13.90	361.18	14.22	353.21
13A2600N	13A	G010YR24HR	14.28	32.68	30.25	0.0005	120416	14.06	625.97	14.21	623.87
13A2600N	13A	G025YR24HR	14.14	33.38	30.25	0.0005	138448	13.90	806.53	14.06	804.25
13A2600N	13A	G100YR24HR	13.95	34.09	30.25	0.0005	147734	13.70	1108.68	13.78	1105.01
13A2750N	13A	G002YR24HR	14.18	32.24	26.95	0.0004	534557	12.79	403.97	13.94	350.85
13A2750N	13A	G010YR24HR	14.24	33.34	26.95	0.0004	704841	12.63	690.16	14.17	609.97
13A2750N	13A	G025YR24HR	14.11	33.97	26.95	0.0004	815414	12.49	871.84	14.08	783.50
13A2750N	13A	G100YR24HR	13.89	34.72	26.95	0.0004	945473	12.47	1206.26	13.83	1069.69
13A2800N	13A	G002YR24HR	13.66	34.25	32.25	-0.0006	120051	13.28	343.34	13.47	335.88
13A2800N	13A	G010YR24HR	13.74	35.29	32.25	-0.0006	384787	13.18	592.45	13.59	568.66
13A2800N	13A	G025YR24HR	13.75	35.75	32.25	-0.0006	490463	13.13	753.09	13.58	720.20
13A2800N	13A	G100YR24HR	13.74	36.42	32.25	-0.0006	641208	13.02	986.44	13.64	938.31
13A2820P	13A	G002YR24HR	20.38	33.30	36.65	0.0000	152007	12.17	14.55	26.40	1.96
13A2820P	13A	G010YR24HR	20.32	34.13	36.65	0.0001	158909	12.17	26.91	26.23	1.95
13A2820P	13A	G025YR24HR	19.64	34.70	36.65	0.0001	163660	12.17	35.77	21.55	2.69
13A2820P	13A	G100YR24HR	16.61	35.96	36.65	0.0001	174179	12.17	51.35	18.14	6.64
13A2900N	13A	G002YR24HR	13.31	36.84	36.95	0.0003	483783	12.58	414.54	13.28	353.97
13A2900N	13A	G010YR24HR	13.26	37.65	36.95	-0.0002	643916	12.38	700.09	13.18	604.09
13A2900N	13A	G025YR24HR	13.20	38.10	36.95	0.0002	730601	12.35	896.28	13.15	766.61
13A2900N	13A	G100YR24HR	13.19	38.76	36.95	0.0002	857097	12.33	1231.26	13.07	1011.70
13A3000N	13A	G002YR24HR	12.92	37.65	36.15	0.0054	181115	12.51	340.02	12.80	317.49
13A3000N	13A	G010YR24HR	13.07	38.49	36.15	0.0054	297366	12.56	514.36	12.93	474.59
13A3000N	13A	G025YR24HR	13.12	38.98	36.15	0.0054	363621	12.37	637.39	13.01	567.57
13A3000N	13A	G100YR24HR	13.20	39.67	36.15	0.0054	458398	12.27	791.38	13.21	699.86
13A3200N	13A	G002YR24HR	12.91	37.68	36.51	-0.0073	7281	12.49	341.87	12.51	340.02
13A3200N	13A	G010YR24HR	13.06	38.53	36.51	-0.0073	8118	12.55	516.26	12.56	514.36
13A3200N	13A	G025YR24HR	13.10	39.03	36.51	-0.0073	8763	12.36	641.47	12.37	637.39
13A3200N	13A	G100YR24HR	13.19	39.73	36.51	-0.0073	14336	12.27	797.25	12.27	791.38
13A3300N	13A	G002YR24HR	12.81	37.93	37.95	0.0003	13988	12.53	320.37	12.56	318.20
13A3300N	13A	G010YR24HR	12.94	38.82	37.95	0.0003	19397	12.61	480.83	12.63	478.12
13A3300N	13A	G025YR24HR	12.97	39.35	37.95	0.0002	23472	12.43	580.85	12.49	575.31
13A3300N	13A	G100YR24HR	13.00	40.22	37.95	0.0004	35042	12.34	705.11	12.65	695.94
13A3320P	13A	G002YR24HR	12.55	39.87	41.45	0.0004	10378	12.08	18.04	12.33	10.65
13A3320P	13A	G010YR24HR	12.62	42.01	41.45	0.0005	21405	12.08	35.37	12.62	14.80
13A3320P	13A	G025YR24HR	12.30	42.19	41.45	0.0006	22337	12.08	48.02	12.29	36.59
13A3320P	13A	G100YR24HR	12.13	42.36	41.45	0.0006	23210	12.08	70.46	12.13	66.62
13A3400N	13A	G002YR24HR	12.64	38.98	36.25	0.0005	15649	12.51	308.47	12.55	307.21
13A3400N	13A	G010YR24HR	12.74	40.10	36.25	0.0005	21270	12.58	461.64	12.64	460.19
13A3400N	13A	G025YR24HR	12.79	40.62	36.25	0.0005	22529	12.63	549.93	12.66	548.66
13A3400N	13A	G100YR24HR	12.88	41.27	36.25	0.0005	26710	12.85	666.69	12.87	666.57

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3420P	13A	G002YR24HR	25.50	47.61	48.75	0.0000	84902	12.08	8.94	0.00	0.00
13A3420P	13A	G010YR24HR	32.10	48.76	48.75	0.0001	129049	12.08	20.08	32.10	0.22
13A3420P	13A	G025YR24HR	19.66	48.85	48.75	0.0001	132922	12.08	28.61	19.66	5.04
13A3420P	13A	G100YR24HR	15.73	48.96	48.75	0.0001	137844	12.08	44.14	15.73	15.01
13A3440P	13A	G002YR24HR	38.50	50.05	50.65	0.0000	58826	14.58	1.66	0.00	0.00
13A3440P	13A	G010YR24HR	19.96	50.61	50.65	0.0000	71037	14.33	5.43	19.96	2.40
13A3440P	13A	G025YR24HR	16.88	50.68	50.65	0.0000	72458	14.25	8.82	16.88	5.61
13A3440P	13A	G100YR24HR	15.14	50.77	50.65	0.0001	74552	14.17	15.64	15.14	13.58
13A3600N	13A	G002YR24HR	12.64	39.08	40.15	-0.0006	16072	12.64	267.63	12.68	267.80
13A3600N	13A	G010YR24HR	12.76	40.32	40.15	-0.0006	18379	12.84	399.51	12.86	400.25
13A3600N	13A	G025YR24HR	12.83	40.85	40.15	-0.0006	19689	12.98	476.03	13.01	476.97
13A3600N	13A	G100YR24HR	12.98	41.50	40.15	-0.0006	22926	13.22	586.07	13.24	587.02
13A3700N	13A	G002YR24HR	12.67	39.90	38.25	0.0007	17857	12.66	260.44	12.69	260.52
13A3700N	13A	G010YR24HR	12.81	40.95	38.25	0.0007	19638	12.86	390.96	12.90	391.54
13A3700N	13A	G025YR24HR	12.92	41.47	38.25	0.0007	20398	13.29	470.70	13.07	468.46
13A3700N	13A	G100YR24HR	13.11	42.11	38.25	0.0007	22857	13.25	577.72	13.27	578.40
13A3900N	13A	G002YR24HR	12.67	39.99	39.35	0.0008	49781	12.16	284.48	12.66	260.44
13A3900N	13A	G010YR24HR	12.82	41.04	39.35	0.0009	50584	12.77	390.98	12.86	390.96
13A3900N	13A	G025YR24HR	12.93	41.56	39.35	0.0007	50663	12.96	466.68	13.29	470.70
13A3900N	13A	G100YR24HR	13.15	42.51	39.35	-0.0007	50485	13.18	576.73	13.25	577.72
13A3910P	13A	G002YR24HR	12.67	40.00	39.15	0.0002	31840	12.08	23.79	12.53	9.63
13A3910P	13A	G010YR24HR	12.82	41.05	39.15	0.0004	39436	12.08	41.66	12.49	13.62
13A3910P	13A	G025YR24HR	12.93	41.57	39.15	0.0003	43923	12.08	54.27	12.34	26.05
13A3910P	13A	G100YR24HR	13.15	42.52	39.15	0.0003	51606	12.08	76.34	12.12	46.36
13A3920P	13A	G002YR24HR	12.16	41.17	41.45	0.0001	178539	12.08	112.44	12.16	107.01
13A3920P	13A	G010YR24HR	12.13	41.25	41.45	0.0000	186768	12.08	181.15	12.13	174.11
13A3920P	13A	G025YR24HR	12.93	41.58	41.45	0.0001	218636	12.08	221.87	12.14	215.34
13A3920P	13A	G100YR24HR	13.15	42.52	41.45	0.0002	280236	12.08	285.89	12.08	271.29
13A3930N	13A	G002YR24HR	12.11	42.29	43.95	0.0003	557	12.10	58.43	12.10	58.37
13A3930N	13A	G010YR24HR	12.09	43.82	43.95	-0.0009	481	12.08	88.67	12.09	88.37
13A3930N	13A	G025YR24HR	12.15	44.84	43.95	-0.0010	8268	12.08	111.34	12.15	103.58
13A3930N	13A	G100YR24HR	12.36	46.53	43.95	0.0009	36348	12.08	155.94	12.20	120.76
13A3940N	13A	G002YR24HR	12.11	42.46	45.55	0.0003	903	12.36	24.97	12.37	25.43
13A3940N	13A	G010YR24HR	12.09	44.07	45.55	0.0016	487	13.36	47.97	13.23	48.02
13A3940N	13A	G025YR24HR	12.46	45.23	45.55	0.0016	487	14.52	52.82	14.51	52.90
13A3940N	13A	G100YR24HR	12.63	47.31	45.55	0.0021	17971	15.01	56.70	15.01	56.74
13A3950N	13A	G002YR24HR	12.11	42.50	0.00	0.0003	1045	12.36	18.79	12.38	19.27
13A3950N	13A	G010YR24HR	12.63	44.29	0.00	0.0011	586	13.44	46.16	13.43	46.22
13A3950N	13A	G025YR24HR	12.59	45.66	0.00	0.0010	549	14.76	51.32	14.54	51.39
13A3950N	13A	G100YR24HR	12.72	47.77	0.00	0.0011	492	15.28	55.04	15.26	55.08
13A3952P	13A	G002YR24HR	18.66	45.43	46.95	0.0000	120792	13.25	14.34	18.54	3.67
13A3952P	13A	G010YR24HR	20.41	47.13	46.95	0.0001	354378	12.92	45.64	14.57	5.09
13A3952P	13A	G025YR24HR	22.28	47.85	46.95	0.0001	488731	12.75	70.36	17.08	5.78
13A3952P	13A	G100YR24HR	24.41	48.97	46.95	0.0002	654142	12.67	116.24	24.50	6.49
13A3954P	13A	G002YR24HR	15.40	50.51	50.25	0.0001	95396	12.17	26.55	15.40	3.17
13A3954P	13A	G010YR24HR	12.64	50.88	50.25	0.0002	106794	12.17	70.16	12.64	40.63

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3954P	13A	G025YR24HR	12.45	51.12	50.25	0.0002	117750	12.17	105.21	12.45	78.62
13A3954P	13A	G100YR24HR	12.34	51.47	50.25	0.0002	135523	12.17	171.07	12.34	146.32
13A3960P	13A	G002YR24HR	25.50	79.17	56.05	0.0011	2178	12.08	9.89	0.00	0.00
13A3960P	13A	G010YR24HR	25.50	106.59	56.05	0.0024	2178	12.08	21.25	0.00	0.00
13A3960P	13A	G025YR24HR	25.50	127.73	56.05	0.0034	2178	12.08	29.82	0.00	0.00
13A3960P	13A	G100YR24HR	25.50	166.82	56.05	0.0052	2178	12.08	45.28	0.00	0.00
13A3962P	13A	G002YR24HR	26.00	231.86	62.85	0.0071	2178	12.08	61.83	0.00	0.00
13A3962P	13A	G010YR24HR	26.00	380.24	62.85	0.0130	2178	12.08	112.89	0.00	0.00
13A3962P	13A	G025YR24HR	26.00	489.16	62.85	0.0171	2178	12.08	149.37	0.00	0.00
13A3962P	13A	G100YR24HR	26.00	684.93	62.85	0.0245	2178	12.08	213.48	0.00	0.00
13A3980N	13A	G002YR24HR	12.11	42.49	46.25	0.0003	906	13.08	9.16	13.01	9.26
13A3980N	13A	G010YR24HR	12.96	44.62	46.25	0.0007	575	13.75	38.93	13.75	39.04
13A3980N	13A	G025YR24HR	12.95	45.96	46.25	0.0006	464	14.84	44.27	14.84	44.31
13A3980N	13A	G100YR24HR	12.91	47.97	46.25	0.0011	464	15.77	48.10	15.77	48.14
13A3990P	13A	G002YR24HR	13.10	42.83	45.75	0.0001	101252	12.08	44.80	13.08	9.16
13A3990P	13A	G010YR24HR	13.08	44.80	45.75	0.0003	124168	12.08	96.08	13.75	38.93
13A3990P	13A	G025YR24HR	13.27	46.43	45.75	0.0004	172833	12.17	148.80	14.84	44.27
13A3990P	13A	G100YR24HR	13.65	48.43	45.75	0.0006	318051	12.08	263.76	15.77	48.10
13A4000N	13A	G002YR24HR	12.76	40.38	38.75	0.0004	164142	12.56	198.41	12.92	196.70
13A4000N	13A	G010YR24HR	12.87	41.27	38.75	0.0004	174390	12.72	291.78	13.07	293.34
13A4000N	13A	G025YR24HR	12.95	41.75	38.75	0.0004	182024	31.64	368.10	31.88	368.12
13A4000N	13A	G100YR24HR	13.15	42.65	38.75	0.0004	182109	27.45	557.33	28.10	556.61
13A4100N	13A	G002YR24HR	12.68	40.72	43.05	0.0002	39600	12.44	194.33	12.50	191.41
13A4100N	13A	G010YR24HR	12.85	41.52	43.05	0.0002	41247	34.31	272.02	34.40	272.01
13A4100N	13A	G025YR24HR	12.92	42.02	43.05	0.0002	42314	12.69	345.26	31.63	342.26
13A4100N	13A	G100YR24HR	13.11	42.89	43.05	0.0003	43295	27.41	539.43	27.46	539.23
13A4120P	13A	G002YR24HR	12.92	40.44	42.15	0.0001	79353	12.08	30.29	13.42	8.51
13A4120P	13A	G010YR24HR	12.87	41.51	42.15	0.0001	92629	12.08	52.69	13.27	16.20
13A4120P	13A	G025YR24HR	12.92	42.02	42.15	0.0002	99298	12.08	68.47	13.85	15.92
13A4120P	13A	G100YR24HR	13.11	42.89	42.15	0.0003	111319	12.08	96.08	13.56	17.38
13A4200N	13A	G002YR24HR	12.46	42.23	42.95	0.0002	9526	12.41	194.65	12.44	194.33
13A4200N	13A	G010YR24HR	12.50	43.06	42.95	0.0002	13115	12.40	290.11	12.44	289.28
13A4200N	13A	G025YR24HR	12.73	43.56	42.95	0.0003	15796	31.41	368.12	31.44	368.12
13A4200N	13A	G100YR24HR	27.41	44.72	42.95	0.0003	46976	27.23	558.27	27.30	558.16
13A4300N	13A	G002YR24HR	12.44	43.79	40.75	0.0003	18197	12.36	190.71	12.44	189.76
13A4300N	13A	G010YR24HR	12.45	44.77	40.75	0.0003	21193	12.38	282.93	12.45	282.22
13A4300N	13A	G025YR24HR	31.42	45.47	40.75	0.0003	143068	31.14	368.14	31.41	368.12
13A4300N	13A	G100YR24HR	27.23	46.65	40.75	0.0003	175283	26.83	558.99	27.23	558.27
13A4400N	13A	G002YR24HR	12.55	44.39	43.15	0.0003	22954	12.65	156.01	12.71	157.31
13A4400N	13A	G010YR24HR	34.39	45.54	43.15	0.0003	25778	34.33	277.21	34.38	277.21
13A4400N	13A	G025YR24HR	31.21	46.33	43.15	0.0003	41800	31.07	368.15	31.14	368.14
13A4400N	13A	G100YR24HR	27.09	47.44	43.15	0.0003	45860	26.66	559.41	26.83	558.99
13A4600N	13A	G002YR24HR	12.56	44.76	45.35	-0.0003	10331	12.56	151.38	12.61	151.52
13A4600N	13A	G010YR24HR	34.49	46.01	45.35	-0.0003	43658	34.66	253.51	34.75	253.53
13A4600N	13A	G025YR24HR	31.87	46.84	45.35	-0.0003	63136	33.23	334.45	33.32	334.55
13A4600N	13A	G100YR24HR	27.13	48.08	45.35	-0.0003	92276	26.20	495.38	27.48	492.54

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A4700N	13A	G002YR24HR	12.56	45.58	43.95	0.0004	70783	12.14	168.17	12.56	151.38
13A4700N	13A	G010YR24HR	34.55	46.62	43.95	0.0004	114720	34.42	253.51	34.66	253.51
13A4700N	13A	G025YR24HR	32.27	47.27	43.95	0.0004	131935	33.00	334.32	33.23	334.45
13A4700N	13A	G100YR24HR	27.13	48.43	43.95	0.0010	162269	63.27	871.46	26.20	495.38
13A4800N	13A	G002YR24HR	12.57	45.65	47.65	0.0003	5110	38.27	141.03	38.28	141.03
13A4800N	13A	G010YR24HR	34.54	46.71	47.65	0.0003	6603	34.40	253.51	34.42	253.51
13A4800N	13A	G025YR24HR	32.31	47.33	47.65	0.0003	8085	32.98	334.32	33.00	334.32
13A4800N	13A	G100YR24HR	27.09	48.67	47.65	-0.0158	16825	26.13	602.95	63.27	871.46
13A5000N	13A	G002YR24HR	12.58	45.93	47.65	0.0003	15661	38.24	141.03	38.27	141.03
13A5000N	13A	G010YR24HR	34.50	47.17	47.65	0.0003	20143	34.36	253.52	34.40	253.51
13A5000N	13A	G025YR24HR	32.52	47.88	47.65	0.0003	24308	32.93	334.31	32.98	334.32
13A5000N	13A	G100YR24HR	26.13	49.38	47.65	0.0017	27022	26.14	529.95	26.13	602.95
13A5050N	13A	G002YR24HR	38.24	46.19	0.00	0.0003	16671	38.34	141.19	38.24	141.03
13A5050N	13A	G010YR24HR	34.45	47.49	0.00	0.0003	24244	34.30	253.52	34.36	253.52
13A5050N	13A	G025YR24HR	32.65	48.20	0.00	0.0003	36733	32.86	334.29	32.93	334.31
13A5050N	13A	G100YR24HR	26.13	49.52	0.00	0.0003	47414	26.16	519.13	26.14	529.95
13A5100N	13A	G002YR24HR	38.17	46.51	48.85	0.0003	10254	38.00	141.03	38.04	141.03
13A5100N	13A	G010YR24HR	34.35	47.79	48.85	0.0003	21887	33.74	242.49	33.84	242.48
13A5100N	13A	G025YR24HR	32.67	48.41	48.85	0.0003	28522	32.70	275.34	32.78	275.34
13A5100N	13A	G100YR24HR	26.13	49.66	48.85	0.0003	37451	26.35	416.25	26.17	417.52
13A5200N	13A	G002YR24HR	38.06	47.20	49.75	0.0005	15507	38.18	142.75	38.00	141.03
13A5200N	13A	G010YR24HR	34.13	48.53	49.75	0.0005	24253	37.19	242.52	33.74	242.49
13A5200N	13A	G025YR24HR	32.68	49.09	49.75	0.0005	29137	32.62	275.34	32.70	275.34
13A5200N	13A	G100YR24HR	26.16	50.27	49.75	0.0005	36740	26.35	416.03	26.35	416.25
13A5300N	13A	G002YR24HR	36.39	47.56	51.35	0.0008	6971	33.72	142.38	33.75	142.37
13A5300N	13A	G010YR24HR	32.74	48.98	51.35	0.0008	7861	31.14	255.90	31.17	255.88
13A5300N	13A	G025YR24HR	30.90	49.64	51.35	0.0008	8408	29.87	337.15	29.90	337.14
13A5300N	13A	G100YR24HR	26.18	50.65	51.35	0.0008	11117	26.40	487.00	26.40	487.03
13A5320P	13A	G002YR24HR	12.96	49.48	51.55	0.0003	7261	12.08	6.48	12.96	2.05
13A5320P	13A	G010YR24HR	12.44	51.05	51.55	0.0005	8733	12.08	18.16	12.44	11.86
13A5320P	13A	G025YR24HR	12.30	51.54	51.55	0.0006	9194	12.08	27.65	12.29	22.11
13A5320P	13A	G100YR24HR	12.10	51.85	51.55	0.0005	9492	12.08	45.63	12.10	44.84
13A5400N	13A	G002YR24HR	34.66	48.39	51.65	0.0011	9470	33.68	142.38	33.73	142.38
13A5400N	13A	G010YR24HR	31.78	50.02	51.65	0.0011	12559	31.10	255.91	31.14	255.90
13A5400N	13A	G025YR24HR	30.16	50.92	51.65	0.0011	15161	29.83	337.18	29.87	337.17
13A5400N	13A	G100YR24HR	26.32	52.34	51.65	0.0011	20852	26.35	486.95	26.40	486.97
13A5500N	13A	G002YR24HR	34.35	48.79	55.45	0.0015	9805	33.64	142.39	33.68	142.38
13A5500N	13A	G010YR24HR	31.62	50.40	55.45	0.0015	19585	31.03	255.93	31.10	255.91
13A5500N	13A	G025YR24HR	30.08	51.32	55.45	0.0015	29491	23.24	346.46	29.83	337.18
13A5500N	13A	G100YR24HR	26.32	52.80	55.45	0.0017	36393	18.49	607.61	26.36	486.95
13A5600N	13A	G002YR24HR	34.18	49.06	53.15	0.0009	4809	33.62	142.39	33.64	142.39
13A5600N	13A	G010YR24HR	31.56	50.59	53.15	0.0009	8215	30.99	255.48	31.02	255.47
13A5600N	13A	G025YR24HR	30.06	51.45	53.15	0.0009	10855	29.65	322.99	23.24	336.07
13A5600N	13A	G100YR24HR	26.33	52.81	53.15	-0.0045	13414	26.55	424.85	18.49	567.35
13A5800N	13A	G002YR24HR	33.87	49.93	52.35	0.0044	3581	33.61	142.39	33.62	142.39
13A5800N	13A	G010YR24HR	31.37	51.36	52.35	0.0044	4697	30.97	255.48	30.99	255.48
13A5800N	13A	G025YR24HR	29.95	52.29	52.35	0.0044	5525	29.62	322.99	29.65	322.99

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A5800N	13A	G100YR24HR	26.38	53.39	52.35	0.0044	9365	26.54	424.85	26.55	424.85
13A6000P	13A	G002YR24HR	33.67	51.50	51.95	0.0000	638294	12.08	144.92	33.61	142.39
13A6000P	13A	G010YR24HR	31.14	52.50	51.95	0.0001	841739	29.22	256.84	30.98	255.94
13A6000P	13A	G025YR24HR	29.87	52.99	51.95	0.0001	995294	28.31	339.04	29.69	337.21
13A6000P	13A	G100YR24HR	26.42	53.78	51.95	0.0001	1277138	25.74	482.98	26.51	479.92
13B0200N	13B	G002YR24HR	12.47	15.58	14.95	0.0002	454	12.47	58.28	12.47	58.28
13B0200N	13B	G010YR24HR	12.43	15.94	14.95	0.0002	454	12.43	113.37	12.43	113.37
13B0200N	13B	G025YR24HR	12.45	16.15	14.95	0.0002	454	12.45	154.19	12.45	154.19
13B0200N	13B	G100YR24HR	12.53	16.42	14.95	0.0002	454	12.53	214.31	12.53	214.31
13B0400N	13B	G002YR24HR	12.47	15.94	17.95	0.0002	6449	12.42	55.88	12.46	55.18
13B0400N	13B	G010YR24HR	12.42	17.24	17.95	0.0004	7977	12.34	106.81	12.41	104.95
13B0400N	13B	G025YR24HR	12.43	18.49	17.95	0.0006	10008	12.31	144.79	12.42	140.98
13B0400N	13B	G100YR24HR	12.50	20.71	17.95	0.0008	15581	12.32	199.58	12.50	190.93
13B0500N	13B	G002YR24HR	12.42	18.63	18.05	0.0004	19196	12.34	58.76	12.42	55.88
13B0500N	13B	G010YR24HR	12.33	19.27	18.05	0.0004	22602	12.25	104.86	12.35	102.96
13B0500N	13B	G025YR24HR	12.38	19.69	18.05	0.0004	26322	12.26	141.54	12.32	135.55
13B0500N	13B	G100YR24HR	12.49	21.04	18.05	0.0003	36614	12.24	208.00	12.36	178.53
13B0600N	13B	G002YR24HR	12.26	22.13	22.05	0.0005	8348	12.25	53.11	12.34	57.82
13B0600N	13B	G010YR24HR	12.09	22.52	22.05	0.0006	11254	12.25	97.88	12.26	98.63
13B0600N	13B	G025YR24HR	12.25	22.70	22.05	0.0006	13218	12.25	129.97	12.26	130.01
13B0600N	13B	G100YR24HR	12.27	23.03	22.05	0.0004	15039	12.25	186.45	12.26	185.29
13C0100N	13C	G002YR24HR	15.37	15.02	13.25	0.0007	83371	16.00	176.15	16.12	179.93
13C0100N	13C	G010YR24HR	15.63	16.51	13.25	0.0007	113321	18.03	296.83	18.33	305.64
13C0100N	13C	G025YR24HR	15.71	17.35	13.25	0.0007	127940	17.80	367.27	17.85	376.35
13C0100N	13C	G100YR24HR	16.16	18.47	13.25	0.0007	147485	22.25	662.02	22.27	665.24
13C0200N	13C	G002YR24HR	15.41	15.11	14.95	0.0012	46161	15.92	173.18	16.01	174.78
13C0200N	13C	G010YR24HR	15.65	16.54	14.95	0.0012	57750	17.97	291.42	18.04	295.20
13C0200N	13C	G025YR24HR	15.72	17.37	14.95	0.0012	57750	17.78	360.90	17.81	365.04
13C0200N	13C	G100YR24HR	16.17	18.49	14.95	0.0012	57750	22.25	658.71	22.25	660.00
13C0300N	13C	G002YR24HR	15.54	15.36	15.75	0.0014	25295	15.88	172.66	15.92	173.18
13C0300N	13C	G010YR24HR	15.68	16.65	15.75	0.0014	28500	17.93	289.99	17.97	291.42
13C0300N	13C	G025YR24HR	15.76	17.44	15.75	0.0014	28500	17.77	359.07	17.78	360.90
13C0300N	13C	G100YR24HR	16.21	18.55	15.75	0.0014	28500	22.24	658.14	22.25	658.71
13C0500N	13C	G002YR24HR	15.65	15.73	14.35	0.0013	45488	15.83	172.37	15.88	172.66
13C0500N	13C	G010YR24HR	15.85	16.99	14.35	0.0013	78739	17.81	287.38	17.93	289.99
13C0500N	13C	G025YR24HR	15.86	17.78	14.35	0.0013	85718	17.70	354.68	17.77	359.07
13C0500N	13C	G100YR24HR	18.09	19.03	14.35	0.0013	94781	22.18	656.86	22.24	658.14
13C0600N	13C	G002YR24HR	15.67	15.83	15.85	0.0014	52308	15.50	171.82	15.83	171.82
13C0600N	13C	G010YR24HR	15.87	17.10	15.85	0.0014	110555	17.67	283.97	17.82	286.74
13C0600N	13C	G025YR24HR	15.88	17.88	15.85	0.0014	144730	17.64	347.83	17.70	353.83
13C0600N	13C	G100YR24HR	20.68	19.19	15.85	0.0014	215047	22.17	653.99	22.18	656.06
13C0800N	13C	G002YR24HR	15.22	16.96	17.55	0.0004	62453	14.96	111.23	15.04	110.65
13C0800N	13C	G010YR24HR	15.39	17.78	17.55	0.0001	91053	15.10	214.85	15.20	212.71
13C0800N	13C	G025YR24HR	15.40	18.34	17.55	-0.0001	117579	14.53	307.17	14.64	300.12
13C0800N	13C	G100YR24HR	17.69	19.36	17.55	0.0002	164707	14.20	473.35	14.33	456.17
13C1000N	13C	G002YR24HR	15.11	17.31	17.75	-0.0006	18272	12.33	112.43	14.96	111.09

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C1000N	13C	G010YR24HR	15.15	19.56	17.75	-0.0006	51080	14.96	216.17	15.10	214.61
13C1000N	13C	G025YR24HR	14.65	19.95	17.75	-0.0006	60601	14.49	307.42	14.54	306.82
13C1000N	13C	G100YR24HR	14.32	20.30	17.75	-0.0006	70119	14.16	473.82	14.20	472.81
13C1100N	13C	G002YR24HR	14.88	19.82	20.85	0.0006	56983	14.64	111.14	14.88	110.25
13C1100N	13C	G010YR24HR	15.03	21.02	20.85	0.0006	132926	14.68	218.56	14.96	214.17
13C1100N	13C	G025YR24HR	14.52	21.48	20.85	0.0006	168184	14.23	308.40	14.50	304.46
13C1100N	13C	G100YR24HR	14.18	22.05	20.85	0.0006	205342	14.01	472.90	14.17	469.36
13C1200N	13C	G002YR24HR	14.58	23.64	25.85	0.0003	109764	14.29	106.82	14.70	106.01
13C1200N	13C	G010YR24HR	14.35	24.19	25.85	-0.0002	157977	14.72	209.06	14.76	210.37
13C1200N	13C	G025YR24HR	14.11	24.47	25.85	-0.0002	172832	14.11	293.95	14.27	296.20
13C1200N	13C	G100YR24HR	13.89	24.91	25.85	-0.0002	193469	13.92	450.71	14.04	454.20
13C1300N	13C	G002YR24HR	14.05	25.13	25.13	0.0002	61560	14.24	104.55	14.30	105.40
13C1300N	13C	G010YR24HR	14.45	25.72	25.13	0.0001	113178	14.30	206.44	14.72	207.05
13C1300N	13C	G025YR24HR	14.14	26.04	25.13	0.0001	129398	14.05	291.21	14.13	290.79
13C1300N	13C	G100YR24HR	13.94	26.52	25.13	0.0001	156441	13.80	447.53	13.93	446.10
13C1350N	13C	G002YR24HR	14.26	26.26	25.95	0.0002	107740	14.04	103.55	14.26	102.63
13C1350N	13C	G010YR24HR	14.31	26.82	25.95	0.0001	199349	14.00	206.44	14.31	203.83
13C1350N	13C	G025YR24HR	14.06	27.17	25.95	0.0001	253117	13.70	293.42	14.05	287.82
13C1350N	13C	G100YR24HR	13.83	27.63	25.95	0.0001	324029	13.58	448.08	13.82	442.87
13C1400N	13C	G002YR24HR	13.85	27.11	28.95	0.0002	35004	13.55	58.67	13.64	58.32
13C1400N	13C	G010YR24HR	13.98	27.55	28.95	0.0001	69962	13.66	114.98	13.82	113.45
13C1400N	13C	G025YR24HR	13.61	27.83	28.95	0.0001	81025	13.27	180.27	13.36	176.59
13C1400N	13C	G100YR24HR	13.35	28.21	28.95	0.0001	92723	13.02	294.75	13.08	288.54
13C1500N	13C	G002YR24HR	13.58	28.08	29.75	0.0002	9681	13.55	57.44	13.60	57.44
13C1500N	13C	G010YR24HR	13.62	28.72	29.75	0.0002	26925	13.62	112.93	13.68	113.06
13C1500N	13C	G025YR24HR	13.21	29.15	29.75	0.0002	32686	13.23	176.53	13.29	177.14
13C1500N	13C	G100YR24HR	12.92	29.60	29.75	0.0003	40327	13.00	286.91	13.04	288.67
13C1700N	13C	G002YR24HR	13.55	28.88	29.85	0.0003	33476	12.95	58.29	13.55	57.44
13C1700N	13C	G010YR24HR	13.62	30.13	29.85	0.0003	80687	13.41	113.99	13.62	112.93
13C1700N	13C	G025YR24HR	13.23	30.35	29.85	0.0003	83806	13.15	176.93	13.23	176.53
13C1700N	13C	G100YR24HR	12.99	30.58	29.85	0.0003	85879	12.95	287.18	13.00	286.91
13C1800N	13C	G002YR24HR	13.48	29.22	0.00	0.0002	39279	12.98	58.78	13.22	56.65
13C1800N	13C	G010YR24HR	13.59	30.24	0.00	0.0002	81100	13.20	116.18	13.44	111.89
13C1800N	13C	G025YR24HR	13.21	30.52	0.00	0.0002	92187	13.06	175.49	13.18	173.56
13C1800N	13C	G100YR24HR	12.98	30.85	0.00	0.0002	104669	12.89	282.18	12.98	280.68
13C1850N	13C	G002YR24HR	13.55	29.41	31.65	0.0001	29111	13.41	34.24	13.71	34.24
13C1850N	13C	G010YR24HR	13.65	30.34	31.65	0.0002	56972	14.22	63.32	14.31	64.77
13C1850N	13C	G025YR24HR	13.31	30.64	31.65	0.0002	66855	13.42	87.19	13.59	88.91
13C1850N	13C	G100YR24HR	13.15	31.00	31.65	0.0002	78671	13.44	130.81	13.52	133.71
13C1900N	13C	G002YR24HR	13.93	29.49	31.75	0.0003	55987	12.72	102.22	14.82	16.05
13C1900N	13C	G010YR24HR	14.05	30.38	31.75	0.0001	77954	14.58	34.47	14.69	36.35
13C1900N	13C	G025YR24HR	13.41	30.67	31.75	0.0004	86115	14.50	50.31	14.68	52.03
13C1900N	13C	G100YR24HR	13.32	31.04	31.75	0.0004	94834	11.71	122.95	14.63	80.03
13C2000N	13C	G002YR24HR	13.48	31.28	34.65	-0.0004	27390	13.14	10.23	12.72	100.21
13C2000N	13C	G010YR24HR	13.62	31.52	34.65	-0.0001	33734	13.23	19.17	31.74	25.87
13C2000N	13C	G025YR24HR	13.58	31.66	34.65	-0.0005	36760	13.36	25.04	44.44	25.49
13C2000N	13C	G100YR24HR	13.47	31.90	34.65	-0.0005	41676	13.35	40.85	11.71	112.98

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C2200P	13C	G002YR24HR	13.16	31.96	33.95	0.0001	34938	12.42	18.24	13.14	10.23
13C2200P	13C	G010YR24HR	13.24	32.79	33.95	0.0002	74591	12.42	36.87	13.23	19.17
13C2200P	13C	G025YR24HR	13.37	33.32	33.95	0.0002	94927	12.42	51.69	13.36	25.04
13C2200P	13C	G100YR24HR	13.35	34.14	33.95	0.0002	123230	12.42	81.31	13.35	40.85
13C2400P	13C	G002YR24HR	23.79	31.94	35.48	0.0000	480728	12.08	84.78	24.12	2.66
13C2400P	13C	G010YR24HR	20.43	32.80	35.48	0.0001	480728	12.08	167.33	26.26	6.35
13C2400P	13C	G025YR24HR	21.20	33.50	35.48	0.0001	480728	12.08	228.82	26.31	7.80
13C2400P	13C	G100YR24HR	22.82	34.78	35.48	0.0002	480728	12.08	339.60	26.67	10.01
13D0150N	13D	G002YR24HR	14.17	32.24	31.95	0.0005	21758	12.35	164.28	12.36	159.36
13D0150N	13D	G010YR24HR	14.24	33.35	31.95	0.0004	55817	12.26	304.17	12.26	295.37
13D0150N	13D	G025YR24HR	14.11	33.97	31.95	0.0004	73491	12.25	403.00	12.26	381.18
13D0150N	13D	G100YR24HR	13.88	34.72	31.95	0.0003	94776	12.24	577.73	12.30	541.76
13D0170P	13D	G002YR24HR	14.30	32.25	31.95	0.0001	66888	12.17	18.99	15.58	4.86
13D0170P	13D	G010YR24HR	14.41	33.36	31.95	0.0003	115068	12.08	33.46	15.81	10.70
13D0170P	13D	G025YR24HR	14.30	33.98	31.95	0.0003	142166	12.08	43.74	16.40	12.68
13D0170P	13D	G100YR24HR	14.10	34.74	31.95	0.0002	175246	12.08	61.73	16.04	12.87
13D0200N	13D	G002YR24HR	12.36	33.44	34.35	0.0009	7054	12.34	166.92	12.35	166.60
13D0200N	13D	G010YR24HR	12.27	34.73	34.35	0.0012	7935	12.25	320.56	12.26	320.04
13D0200N	13D	G025YR24HR	12.26	35.38	34.35	0.0011	8344	12.23	423.38	12.25	422.81
13D0200N	13D	G100YR24HR	12.25	36.24	34.35	0.0009	8620	12.22	603.47	12.23	602.90
13D0310N	13D	G002YR24HR	12.31	37.15	38.35	0.0023	454	12.30	85.84	12.31	85.84
13D0310N	13D	G010YR24HR	12.23	37.45	38.35	0.0022	454	12.22	90.68	12.23	90.68
13D0310N	13D	G025YR24HR	12.20	37.62	38.35	0.0022	454	12.19	93.35	12.20	93.34
13D0310N	13D	G100YR24HR	12.22	38.07	38.35	0.0020	442	12.06	96.34	12.06	96.15
13D0330N	13D	G002YR24HR	12.34	38.82	38.37	0.0024	2185	12.33	165.45	12.34	165.44
13D0330N	13D	G010YR24HR	12.25	39.26	38.37	0.0024	2185	12.25	317.67	12.25	317.66
13D0330N	13D	G025YR24HR	12.24	39.50	38.37	0.0024	2185	12.24	419.50	12.24	419.51
13D0330N	13D	G100YR24HR	12.22	39.88	38.37	-0.0021	2185	12.22	597.89	12.22	597.88
13D0400N	13D	G002YR24HR	12.35	38.92	38.37	0.0009	5426	12.37	118.56	12.38	118.67
13D0400N	13D	G010YR24HR	12.25	39.38	38.37	0.0010	5836	12.25	229.41	12.26	229.48
13D0400N	13D	G025YR24HR	12.23	39.64	38.37	0.0009	8558	12.22	303.56	12.23	303.47
13D0400N	13D	G100YR24HR	12.22	40.05	38.37	0.0004	9345	12.21	433.19	12.22	433.05
13D0500N	13D	G002YR24HR	12.35	39.00	41.65	0.0008	5093	12.36	118.48	12.37	118.56
13D0500N	13D	G010YR24HR	12.25	39.56	41.65	0.0009	5359	12.25	229.49	12.25	229.41
13D0500N	13D	G025YR24HR	12.23	39.89	41.65	0.0009	6342	12.21	303.67	12.22	303.56
13D0500N	13D	G100YR24HR	12.21	40.28	41.65	0.0006	6694	12.20	433.32	12.21	433.19
13D0700N	13D	G002YR24HR	12.40	40.26	41.18	0.0011	8219	12.34	95.32	12.41	94.27
13D0700N	13D	G010YR24HR	12.25	41.54	41.18	0.0012	9416	12.25	181.91	12.26	181.88
13D0700N	13D	G025YR24HR	12.22	41.70	41.18	0.0011	9599	12.21	240.82	12.22	240.78
13D0700N	13D	G100YR24HR	12.21	41.90	41.18	0.0008	9849	12.20	343.84	12.21	343.80
13D0750N	13D	G002YR24HR	12.39	40.56	44.95	0.0004	10464	12.25	94.22	12.35	90.37
13D0750N	13D	G010YR24HR	12.26	41.87	44.95	0.0006	12582	12.25	172.23	12.26	172.09
13D0750N	13D	G025YR24HR	12.23	42.16	44.95	0.0007	13041	12.21	227.48	12.25	227.45
13D0750N	13D	G100YR24HR	12.22	42.61	44.95	0.0008	13727	12.19	324.83	12.22	324.59
13D0800N	13D	G002YR24HR	12.37	41.21	45.55	0.0003	2755	12.33	52.24	12.35	51.84
13D0800N	13D	G010YR24HR	12.28	42.30	45.55	0.0004	3749	12.33	96.25	12.34	96.39

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13D0800N	13D	G025YR24HR	12.27	42.66	45.55	0.0005	3999	12.33	127.81	12.34	128.01
13D0800N	13D	G100YR24HR	12.26	43.20	45.55	0.0006	4377	12.33	183.39	12.33	183.71
13F0200N	13F	G002YR24HR	25.44	46.04	0.00	0.0002	6037	25.36	14.83	25.37	14.83
13F0200N	13F	G010YR24HR	31.72	46.43	0.00	0.0002	6816	25.90	25.37	25.87	25.35
13F0200N	13F	G025YR24HR	25.02	46.91	0.00	0.0002	7633	24.60	45.09	24.63	45.07
13F0200N	13F	G100YR24HR	24.32	47.82	0.00	0.0002	13608	19.37	90.32	19.37	90.23
13F0400P	13F	G002YR24HR	25.36	46.93	47.75	0.0000	1980593	12.62	134.80	25.36	14.83
13F0400P	13F	G010YR24HR	25.90	47.65	47.75	0.0000	2341182	12.58	259.64	25.90	25.37
13F0400P	13F	G025YR24HR	24.57	48.02	47.75	0.0000	2515673	12.58	353.77	24.60	45.09
13F0400P	13F	G100YR24HR	20.14	48.37	47.75	0.0001	2614830	12.51	509.19	19.37	90.32
13F0410P	13F	G002YR24HR	12.62	49.40	50.95	0.0001	27969	12.08	14.34	12.62	6.35
13F0410P	13F	G010YR24HR	12.30	49.76	50.95	0.0002	31504	12.08	27.95	12.30	21.29
13F0410P	13F	G025YR24HR	12.23	49.94	50.95	0.0001	33211	12.08	37.86	12.23	31.66
13F0410P	13F	G100YR24HR	12.19	50.17	50.95	0.0001	35475	12.08	55.43	12.19	48.71
13F0420P	13F	G002YR24HR	12.78	49.43	51.55	0.0000	80436	12.08	14.67	12.78	4.57
13F0420P	13F	G010YR24HR	12.65	49.72	51.55	0.0001	92712	12.08	27.61	12.65	10.62
13F0420P	13F	G025YR24HR	12.64	49.91	51.55	0.0001	100507	12.08	36.93	12.64	14.47
13F0420P	13F	G100YR24HR	12.75	50.28	51.55	0.0001	115435	12.08	53.37	12.75	16.08
13F0430P	13F	G002YR24HR	13.03	49.76	52.75	0.0000	319062	12.17	57.57	13.03	19.50
13F0430P	13F	G010YR24HR	12.83	50.03	52.75	0.0001	330298	12.17	94.34	12.83	41.28
13F0430P	13F	G025YR24HR	12.77	50.19	52.75	0.0001	336780	12.17	120.10	12.77	57.43
13F0430P	13F	G100YR24HR	12.71	50.44	52.75	0.0001	346852	12.17	165.18	12.71	86.11
13F0440P	13F	G002YR24HR	14.20	49.18	50.95	0.0000	33579	12.87	7.45	14.20	5.76
13F0440P	13F	G010YR24HR	13.51	49.48	50.95	0.0001	35120	13.13	15.87	13.51	14.90
13F0440P	13F	G025YR24HR	13.40	49.62	50.95	0.0001	35885	13.11	21.79	13.40	20.98
13F0440P	13F	G100YR24HR	13.37	49.82	50.95	0.0001	36874	13.14	30.94	13.37	30.31
13F0450P	13F	G002YR24HR	14.10	49.21	50.95	0.0001	20864	12.75	10.83	12.93	7.04
13F0450P	13F	G010YR24HR	13.34	49.71	50.95	0.0001	22390	12.75	19.50	13.16	15.45
13F0450P	13F	G025YR24HR	13.24	50.09	50.95	0.0001	23536	12.75	25.69	13.15	21.26
13F0450P	13F	G100YR24HR	13.22	50.77	50.95	0.0001	25619	12.75	36.56	13.18	30.26
13F0700N	13F	G002YR24HR	12.92	50.76	50.58	0.0001	44347	12.48	13.14	12.92	11.97
13F0700N	13F	G010YR24HR	12.78	50.99	50.58	0.0001	55184	12.58	31.84	12.78	31.50
13F0700N	13F	G025YR24HR	12.67	51.09	50.58	0.0001	57308	12.58	49.72	12.67	49.46
13F0700N	13F	G100YR24HR	12.50	51.21	50.58	0.0001	59808	12.42	82.64	12.50	82.31
13F0750N	13F	G002YR24HR	1.06	53.51	0.00	0.0002	36576	17.50	9.82	17.58	9.82
13F0750N	13F	G010YR24HR	15.69	53.71	0.00	0.0002	43732	15.58	23.50	15.64	23.48
13F0750N	13F	G025YR24HR	16.99	53.81	0.00	0.0002	47548	16.58	32.55	16.69	32.53
13F0750N	13F	G100YR24HR	17.47	54.00	0.00	0.0002	54660	16.58	52.38	16.71	52.33
13F0800N	13F	G002YR24HR	17.69	54.11	0.00	0.0010	4469	17.62	9.51	17.67	9.51
13F0800N	13F	G010YR24HR	15.94	54.50	0.00	0.0010	5913	15.90	22.72	15.93	22.72
13F0800N	13F	G025YR24HR	16.90	54.70	0.00	0.0010	7166	16.84	31.68	16.90	31.68
13F0800N	13F	G100YR24HR	17.02	54.95	0.00	0.0010	10014	17.02	51.12	17.04	51.12
13F1000P	13F	G002YR24HR	17.64	54.37	56.80	0.0000	698394	12.90	51.12	17.62	9.51
13F1000P	13F	G010YR24HR	15.90	55.14	56.80	0.0001	834986	12.32	231.88	15.90	22.72
13F1000P	13F	G025YR24HR	16.82	55.72	56.80	0.0001	958053	12.25	342.56	16.84	31.68
13F1000P	13F	G100YR24HR	17.02	56.77	56.80	0.0002	1180395	12.22	529.16	17.02	51.12

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13F1154P	13F	G002YR24HR	28.50	71.40	66.45	0.0001	2178	12.92	0.93	0.00	0.00
13F1154P	13F	G010YR24HR	28.50	92.65	66.45	0.0006	2178	12.67	4.97	0.00	0.00
13F1154P	13F	G025YR24HR	28.50	112.48	66.45	0.0010	2178	12.67	9.14	0.00	0.00
13F1154P	13F	G100YR24HR	28.50	153.69	66.45	0.0021	2178	12.58	18.07	0.00	0.00
13F1158P	13F	G002YR24HR	26.50	5.87	0.00	0.0002	2178	12.42	1.32	0.00	0.00
13F1158P	13F	G010YR24HR	26.50	20.82	0.00	0.0007	2178	12.33	5.75	0.00	0.00
13F1158P	13F	G025YR24HR	26.50	34.28	0.00	0.0012	2178	12.25	10.06	0.00	0.00
13F1158P	13F	G100YR24HR	26.50	61.71	0.00	0.0022	2178	12.25	18.82	0.00	0.00
13F1300P	13F	G002YR24HR	12.98	55.23	55.15	0.0001	146845	12.08	76.50	12.98	22.25
13F1300P	13F	G010YR24HR	12.30	55.45	55.15	0.0002	150591	12.08	139.64	12.30	116.93
13F1300P	13F	G025YR24HR	16.79	55.72	55.15	0.0002	155477	12.08	184.94	12.19	173.76
13F1300P	13F	G100YR24HR	17.00	56.78	55.15	0.0001	159430	12.08	264.80	12.16	253.56
13F1374P	13F	G002YR24HR	17.70	64.97	65.45	0.0003	35191	12.17	11.06	17.70	0.75
13F1374P	13F	G010YR24HR	12.66	65.10	65.45	0.0004	37240	12.17	23.29	12.66	13.72
13F1374P	13F	G025YR24HR	22.52	65.50	65.45	0.0004	43663	12.17	32.44	12.38	27.40
13F1374P	13F	G100YR24HR	13.54	65.65	65.45	0.0002	46118	12.17	48.91	12.22	47.40
13F1378P	13F	G002YR24HR	72.00	60.78	65.75	0.0000	44675	12.42	6.12	0.00	0.00
13F1378P	13F	G010YR24HR	72.00	64.17	65.75	0.0002	58864	12.61	29.38	0.00	0.00
13F1378P	13F	G025YR24HR	22.52	65.50	65.75	0.0003	64408	12.36	57.54	0.00	0.00
13F1378P	13F	G100YR24HR	13.54	65.66	65.75	0.0005	65079	12.25	100.10	0.00	0.00
13G0100N	13G	G002YR24HR	12.77	46.28	0.00	0.0004	11380	12.80	21.15	12.86	21.34
13G0100N	13G	G010YR24HR	34.47	47.49	0.00	0.0004	17958	12.75	36.95	12.82	36.75
13G0100N	13G	G025YR24HR	32.67	48.25	0.00	0.0004	20936	32.93	58.95	33.10	58.96
13G0100N	13G	G100YR24HR	26.13	49.53	0.00	0.0004	36393	26.33	80.56	26.16	102.77
13G0200N	13G	G002YR24HR	12.79	47.05	0.00	0.0002	4367	12.74	21.19	12.80	21.15
13G0200N	13G	G010YR24HR	12.77	47.76	0.00	0.0002	5171	12.70	37.07	12.75	36.95
13G0200N	13G	G025YR24HR	32.76	48.67	0.00	0.0002	5882	32.89	58.95	32.93	58.95
13G0200N	13G	G100YR24HR	26.13	49.75	0.00	0.0002	8360	26.37	80.48	26.33	80.56
13G0400N	13G	G002YR24HR	12.79	47.08	50.45	0.0002	9420	12.61	21.76	12.74	21.19
13G0400N	13G	G010YR24HR	12.76	47.80	50.45	0.0002	12287	12.59	38.08	12.70	37.07
13G0400N	13G	G025YR24HR	32.79	48.96	50.45	0.0002	51409	32.32	58.97	32.89	58.95
13G0400N	13G	G100YR24HR	26.16	50.22	50.45	0.0002	60140	26.39	80.10	26.37	80.48
13G0500N	13G	G002YR24HR	12.75	47.25	48.15	0.0002	21646	12.33	24.47	12.68	20.39
13G0500N	13G	G010YR24HR	12.73	47.99	48.15	0.0002	34647	12.33	42.90	12.65	35.65
13G0500N	13G	G025YR24HR	32.75	49.04	48.15	0.0002	58563	12.33	56.05	12.63	47.53
13G0500N	13G	G100YR24HR	26.18	50.24	48.15	0.0002	83359	12.33	80.91	12.50	74.80
13G0600N	13G	G002YR24HR	12.74	47.29	0.00	0.0002	9002	12.08	8.97	12.16	5.32
13G0600N	13G	G010YR24HR	12.71	48.02	0.00	0.0002	11863	12.08	15.70	12.14	9.90
13G0600N	13G	G025YR24HR	32.72	49.04	0.00	0.0002	15507	12.08	20.46	12.13	13.28
13G0600N	13G	G100YR24HR	26.17	50.24	0.00	0.0002	24256	12.08	28.77	12.13	19.28
13G1200P	13G	G002YR24HR	38.08	47.20	0.00	0.0001	962946	12.08	137.06	60.79	5.88
13G1200P	13G	G010YR24HR	34.16	48.52	0.00	0.0001	1122219	12.08	231.50	61.40	10.26
13G1200P	13G	G025YR24HR	32.71	49.09	0.00	0.0001	1181506	12.08	298.48	72.00	10.53
13G1200P	13G	G100YR24HR	26.19	50.26	0.00	0.0002	1294829	12.08	416.32	8.39	4.56
13G2000N	13G	G002YR24HR	38.00	47.20	0.00	0.0005	14072	12.23	7.59	12.23	6.27
13G2000N	13G	G010YR24HR	34.13	48.53	0.00	0.0005	21745	12.22	11.39	12.23	6.88
13G2000N	13G	G025YR24HR	32.69	49.09	0.00	0.0005	27108	12.04	10.77	13.84	4.15

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13G2000N	13G	G100YR24HR	26.16	50.27	0.00	0.0005	44096	11.83	7.73	11.34	1.87
13G2100N	13G	G002YR24HR	38.08	47.20	0.00	0.0005	10815	12.25	8.60	12.23	7.59
13G2100N	13G	G010YR24HR	34.14	48.53	0.00	0.0005	18256	12.21	14.75	12.22	11.39
13G2100N	13G	G025YR24HR	32.70	49.09	0.00	0.0005	23956	12.05	16.03	12.04	10.77
13G2100N	13G	G100YR24HR	26.17	50.27	0.00	0.0005	45415	11.83	12.25	11.83	7.73
13H0150P	13H	G002YR24HR	13.75	55.07	61.05	0.0001	52272	12.08	19.04	13.75	2.14
13H0150P	13H	G010YR24HR	13.90	56.19	61.05	0.0002	52272	12.08	36.46	13.90	3.51
13H0150P	13H	G025YR24HR	14.11	57.06	61.05	0.0002	52272	12.08	49.08	14.11	4.28
13H0150P	13H	G100YR24HR	12.92	58.19	61.05	0.0003	52272	12.08	71.39	12.92	15.52
13H0350P	13H	G002YR24HR	24.37	55.88	60.05	0.0001	69696	12.08	15.81	14.80	0.45
13H0350P	13H	G010YR24HR	24.11	56.59	60.05	0.0001	69696	12.08	31.24	13.68	1.44
13H0350P	13H	G025YR24HR	18.67	57.17	60.05	0.0001	69696	12.08	42.54	13.71	1.99
13H0350P	13H	G100YR24HR	13.07	57.84	60.05	0.0002	69696	12.08	62.62	13.06	10.50
13I0300N	13I	G002YR24HR	33.02	51.73	57.32	0.0039	4853	26.89	44.96	26.92	44.94
13I0300N	13I	G010YR24HR	30.62	52.82	57.32	0.0039	5076	30.39	74.19	30.42	74.19
13I0300N	13I	G025YR24HR	29.55	53.35	57.32	0.0039	5348	33.18	91.00	33.18	91.02
13I0300N	13I	G100YR24HR	26.33	54.13	57.32	0.0039	5368	33.99	112.13	34.05	112.16
13I0400N	13I	G002YR24HR	27.03	53.51	0.00	-0.0002	4533	27.00	44.96	27.03	44.96
13I0400N	13I	G010YR24HR	30.40	54.08	0.00	-0.0002	4903	30.37	74.19	30.39	74.19
13I0400N	13I	G025YR24HR	32.75	54.37	0.00	-0.0002	5078	33.16	91.00	33.18	91.00
13I0400N	13I	G100YR24HR	30.88	54.80	0.00	-0.0002	5343	33.96	112.12	33.99	112.13
13I0610P	13I	G002YR24HR	24.29	54.75	58.95	0.0001	12173	12.42	2.41	24.22	0.64
13I0610P	13I	G010YR24HR	15.49	55.81	58.95	0.0001	13954	12.33	6.60	15.40	4.79
13I0610P	13I	G025YR24HR	14.64	56.67	58.95	0.0002	15398	12.45	10.96	14.58	9.86
13I0610P	13I	G100YR24HR	33.95	58.51	58.95	0.0003	18475	12.69	22.99	13.97	20.56
13I0620P	13I	G002YR24HR	24.29	54.75	60.95	0.0001	51045	12.50	8.39	24.50	0.57
13I0620P	13I	G010YR24HR	15.48	55.81	60.95	0.0001	55357	12.42	24.55	14.79	4.00
13I0620P	13I	G025YR24HR	14.64	56.69	60.95	0.0002	58897	12.42	38.15	13.94	8.64
13I0620P	13I	G100YR24HR	33.95	58.51	60.95	0.0003	66243	12.42	64.20	13.71	18.72
13I0700N	13I	G002YR24HR	27.95	56.71	0.00	-0.0018	3366	28.47	44.45	27.95	31.06
13I0700N	13I	G010YR24HR	19.91	57.55	0.00	-0.0018	3748	19.90	67.74	19.91	67.74
13I0700N	13I	G025YR24HR	20.56	58.27	0.00	-0.0018	4288	20.54	111.74	20.56	111.73
13I0700N	13I	G100YR24HR	19.43	59.08	0.00	-0.0016	5922	19.41	174.23	19.43	174.23
13I0900N	13I	G002YR24HR	27.92	56.85	61.40	0.0013	4552	18.58	29.27	28.47	44.45
13I0900N	13I	G010YR24HR	19.91	57.71	61.40	0.0013	5658	19.73	67.75	19.90	67.74
13I0900N	13I	G025YR24HR	20.55	59.69	61.40	0.0014	11809	20.53	133.41	20.54	111.74
13I0900N	13I	G100YR24HR	19.41	62.55	61.40	0.0015	18921	13.73	203.16	19.41	174.23
13I1000N	13I	G002YR24HR	19.18	59.12	0.00	0.0008	4945	31.09	40.92	18.70	28.75
13I1000N	13I	G010YR24HR	20.02	60.08	0.00	0.0025	6487	19.95	66.88	20.00	66.87
13I1000N	13I	G025YR24HR	20.55	60.81	0.00	0.0019	11119	20.42	110.74	20.55	132.38
13I1000N	13I	G100YR24HR	19.37	62.84	0.00	0.0019	14215	19.02	172.54	13.73	197.99
13I1500P	13I	G002YR24HR	12.78	62.42	65.25	0.0002	31768	12.42	144.29	12.59	123.50
13I1500P	13I	G010YR24HR	12.72	64.49	65.25	0.0005	38808	12.68	227.43	12.70	227.13
13I1500P	13I	G025YR24HR	12.63	64.65	65.25	0.0006	39575	12.61	327.51	12.63	327.38
13I1500P	13I	G100YR24HR	12.65	64.84	65.25	0.0007	40500	12.64	514.50	12.65	514.44
13I1502N	13I	G002YR24HR	12.80	62.94	63.38	0.0003	474	14.74	37.78	14.71	37.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13I1502N	13I	G010YR24HR	13.57	65.03	63.38	-0.0005	24799	15.24	46.29	14.95	50.52
13I1502N	13I	G025YR24HR	13.56	65.39	63.38	0.0006	28425	13.47	43.54	15.50	48.61
13I1502N	13I	G100YR24HR	13.34	65.76	63.38	0.0006	32113	13.00	47.87	13.63	47.11
13I1504N	13I	G002YR24HR	12.82	63.35	63.78	0.0014	486	14.80	37.65	14.78	37.71
13I1504N	13I	G010YR24HR	13.66	65.55	63.78	-0.0016	71228	12.94	48.13	15.24	46.19
13I1504N	13I	G025YR24HR	13.54	66.08	63.78	-0.0013	93275	12.80	67.86	13.48	43.30
13I1504N	13I	G100YR24HR	13.22	66.55	63.78	-0.0014	113958	12.62	99.23	13.02	47.33
13I1506N	13I	G002YR24HR	12.96	64.94	65.05	0.0021	2557	14.85	37.45	14.83	37.51
13I1506N	13I	G010YR24HR	13.31	66.00	65.05	0.0015	22679	16.09	36.28	16.07	36.34
13I1506N	13I	G025YR24HR	13.24	66.26	65.05	-0.0015	28181	12.34	33.83	16.79	32.86
13I1506N	13I	G100YR24HR	13.12	66.59	65.05	-0.0015	35142	12.29	38.28	11.51	33.31
13I1508N	13I	G002YR24HR	12.97	65.10	65.05	-0.0032	451	14.39	19.15	14.37	19.21
13I1508N	13I	G010YR24HR	13.31	66.00	65.05	-0.0021	451	15.90	18.55	15.88	18.62
13I1508N	13I	G025YR24HR	13.26	66.26	65.05	-0.0021	451	11.89	17.93	11.88	17.36
13I1508N	13I	G100YR24HR	13.14	66.59	65.05	-0.0021	451	11.71	18.23	11.63	17.89
13I1510N	13I	G002YR24HR	12.98	65.35	65.65	-0.0042	464	12.03	19.78	14.39	19.15
13I1510N	13I	G010YR24HR	13.30	66.00	65.65	-0.0041	21019	12.87	30.83	12.94	29.51
13I1510N	13I	G025YR24HR	13.29	66.25	65.65	-0.0029	29233	12.71	47.63	12.84	44.72
13I1510N	13I	G100YR24HR	13.15	66.60	65.65	0.0026	39140	12.66	81.58	12.67	74.70
13I1512N	13I	G002YR24HR	13.02	65.36	65.65	0.0031	1171	15.69	32.71	15.69	32.76
13I1512N	13I	G010YR24HR	13.30	66.01	65.65	0.0028	6351	16.92	31.47	16.92	31.51
13I1512N	13I	G025YR24HR	13.24	66.26	65.65	0.0025	8695	17.45	27.77	11.24	28.13
13I1512N	13I	G100YR24HR	13.12	66.59	65.65	-0.0021	11753	10.41	25.92	10.24	27.96
13I1514P	13I	G002YR24HR	13.62	65.72	65.95	0.0004	324220	12.33	93.75	14.02	34.84
13I1514P	13I	G010YR24HR	13.19	66.15	65.95	0.0002	406274	12.33	161.48	13.17	79.39
13I1514P	13I	G025YR24HR	13.01	66.32	65.95	0.0002	428565	12.33	209.20	12.95	120.34
13I1514P	13I	G100YR24HR	12.98	66.59	65.95	-0.0002	463519	12.33	292.69	12.72	191.59
13J0300N	13J	G002YR24HR	12.36	60.44	61.97	0.0006	2838	12.33	74.37	12.36	74.27
13J0300N	13J	G010YR24HR	12.25	61.49	61.97	0.0007	13875	12.23	126.17	12.25	125.85
13J0300N	13J	G025YR24HR	12.21	61.66	61.97	0.0007	16412	12.19	158.67	12.21	158.37
13J0300N	13J	G100YR24HR	12.18	61.87	61.97	0.0005	19507	12.17	211.39	12.18	211.07
13J0320N	13J	G002YR24HR	12.44	62.10	0.00	0.0003	710	12.44	68.63	12.44	68.62
13J0320N	13J	G010YR24HR	12.25	63.33	0.00	-0.0044	450	12.25	114.06	12.25	114.06
13J0320N	13J	G025YR24HR	12.20	64.05	0.00	-0.0047	1208	12.20	142.05	12.20	141.88
13J0320N	13J	G100YR24HR	12.18	65.14	0.00	-0.0046	1794	12.17	186.78	12.18	186.71
13J0340N	13J	G002YR24HR	12.46	63.06	65.05	0.0003	1137	12.45	67.84	12.44	67.83
13J0340N	13J	G010YR24HR	12.25	64.98	65.05	0.0041	482	12.24	112.14	12.25	112.13
13J0340N	13J	G025YR24HR	12.20	66.02	65.05	0.0046	2710	12.18	139.76	12.20	139.31
13J0340N	13J	G100YR24HR	12.17	66.70	65.05	0.0045	4219	12.17	183.00	12.17	182.76
13J0360N	13J	G002YR24HR	12.86	63.74	66.95	0.0002	2236	12.84	56.58	12.86	56.53
13J0360N	13J	G010YR24HR	12.28	65.83	66.95	0.0020	1780	12.84	82.91	12.95	86.21
13J0360N	13J	G025YR24HR	13.05	67.23	66.95	0.0024	2410	13.04	107.45	13.09	107.62
13J0360N	13J	G100YR24HR	12.88	67.82	66.95	0.0025	6418	12.88	147.29	12.90	147.37
13J0400N	13J	G002YR24HR	12.84	68.23	72.25	0.0002	1847	12.83	56.64	12.84	56.58
13J0400N	13J	G010YR24HR	12.84	68.86	72.25	0.0002	1587	12.83	83.00	12.84	82.91
13J0400N	13J	G025YR24HR	13.05	71.77	72.25	0.0023	845	13.04	107.50	13.04	107.45
13J0400N	13J	G100YR24HR	12.88	73.24	72.25	0.0033	4861	12.83	147.52	12.88	147.29

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J0600N	13J	G002YR24HR	12.51	71.55	74.35	0.0002	4461	12.45	44.45	12.50	44.31
13J0600N	13J	G010YR24HR	12.21	72.22	74.35	0.0003	4900	12.11	62.35	12.21	61.41
13J0600N	13J	G025YR24HR	13.09	72.88	74.35	-0.0008	5432	12.08	71.61	12.17	70.39
13J0600N	13J	G100YR24HR	12.93	74.58	74.35	0.0013	22056	12.89	242.32	12.64	94.78
13J0640N	13J	G002YR24HR	15.39	73.10	0.00	-0.0005	4060	21.18	43.70	15.10	40.62
13J0640N	13J	G010YR24HR	13.70	73.25	0.00	0.0004	4154	12.34	49.12	12.33	49.07
13J0640N	13J	G025YR24HR	13.09	73.40	0.00	0.0007	6244	12.98	63.28	12.97	63.09
13J0640N	13J	G100YR24HR	12.93	75.55	0.00	-0.0032	10965	12.64	88.95	12.93	236.29
13J0680N	13J	G002YR24HR	15.35	73.47	0.00	0.0029	544	15.19	40.34	21.18	43.57
13J0680N	13J	G010YR24HR	13.67	73.77	0.00	0.0029	455	13.64	46.74	13.65	46.73
13J0680N	13J	G025YR24HR	13.09	74.10	0.00	0.0030	455	12.85	54.65	13.28	54.65
13J0680N	13J	G100YR24HR	12.93	75.80	0.00	0.0030	455	14.42	54.45	14.41	54.49
13J0700N	13J	G002YR24HR	15.28	74.25	75.03	0.0003	582	15.18	40.34	15.19	40.34
13J0700N	13J	G010YR24HR	13.66	75.15	75.03	-0.0006	1193	13.59	46.75	13.64	46.74
13J0700N	13J	G025YR24HR	13.01	76.18	75.03	-0.0006	4374	12.98	61.42	13.00	61.37
13J0700N	13J	G100YR24HR	12.91	76.56	75.03	0.0016	4374	12.65	83.61	12.91	83.42
13J0800N	13J	G002YR24HR	15.24	75.07	76.25	0.0003	5117	14.99	40.35	15.18	40.34
13J0800N	13J	G010YR24HR	13.64	76.22	76.25	0.0004	9946	12.95	68.55	13.59	46.75
13J0800N	13J	G025YR24HR	12.99	76.47	76.25	0.0004	18065	12.43	71.73	12.98	61.47
13J0800N	13J	G100YR24HR	12.91	76.61	76.25	0.0006	19164	12.65	85.12	12.90	84.93
13J0900N	13J	G002YR24HR	15.24	75.26	0.00	0.0016	8887	14.99	39.85	15.26	39.84
13J0900N	13J	G010YR24HR	13.64	76.24	0.00	0.0016	19371	12.92	48.39	12.95	65.72
13J0900N	13J	G025YR24HR	12.99	76.50	0.00	0.0016	30767	12.90	58.32	16.08	62.72
13J0900N	13J	G100YR24HR	12.92	76.65	0.00	0.0016	37739	12.84	79.73	12.94	79.54
13J1000N	13J	G002YR24HR	15.17	76.22	76.15	-0.0014	1239	14.95	39.85	14.99	39.85
13J1000N	13J	G010YR24HR	13.39	76.75	76.15	-0.0014	1691	12.92	48.43	12.92	48.39
13J1000N	13J	G025YR24HR	12.93	76.84	76.15	-0.0014	2484	12.89	58.33	12.90	58.32
13J1000N	13J	G100YR24HR	12.86	76.93	76.15	-0.0014	2566	12.83	79.74	12.84	79.73
13J1100N	13J	G002YR24HR	15.18	76.23	76.15	0.0042	964	17.59	37.86	17.59	37.87
13J1100N	13J	G010YR24HR	13.40	76.76	76.15	0.0036	1329	25.50	39.38	25.50	39.40
13J1100N	13J	G025YR24HR	12.93	76.84	76.15	0.0036	1411	26.02	40.05	26.00	40.07
13J1100N	13J	G100YR24HR	12.87	76.94	76.15	0.0036	1497	13.24	41.70	13.24	41.73
13J1300N	13J	G002YR24HR	15.62	76.61	77.05	0.0015	3035	17.58	37.82	17.59	37.86
13J1300N	13J	G010YR24HR	13.76	77.06	77.05	0.0015	36263	25.50	39.32	25.50	39.38
13J1300N	13J	G025YR24HR	13.43	77.17	77.05	-0.0014	39185	26.04	40.01	26.02	40.05
13J1300N	13J	G100YR24HR	13.11	77.41	77.05	-0.0014	52681	12.80	43.82	13.24	41.70
13J1400N	13J	G002YR24HR	15.68	76.65	77.05	0.0046	19503	16.36	37.81	16.51	37.94
13J1400N	13J	G010YR24HR	13.88	77.08	77.05	0.0046	46409	14.32	49.04	14.55	49.49
13J1400N	13J	G025YR24HR	13.48	77.19	77.05	0.0046	46867	13.89	55.04	14.00	55.51
13J1400N	13J	G100YR24HR	13.12	77.42	77.05	0.0046	50276	12.97	72.82	13.15	72.12
13J1600N	13J	G002YR24HR	15.83	76.86	75.95	-0.0035	93406	14.66	38.23	16.36	37.81
13J1600N	13J	G010YR24HR	14.11	77.42	75.95	-0.0035	130990	12.37	63.52	14.32	49.04
13J1600N	13J	G025YR24HR	13.73	77.61	75.95	-0.0035	141868	12.31	79.05	13.89	55.04
13J1600N	13J	G100YR24HR	13.03	77.84	75.95	-0.0035	156789	12.50	96.19	12.97	72.82
13J1800N	13J	G002YR24HR	15.66	77.15	76.95	0.0003	21250	14.15	38.80	14.66	38.23
13J1800N	13J	G010YR24HR	13.89	77.73	76.95	0.0003	46314	12.70	85.36	12.75	82.10

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J1800N	13J	G025YR24HR	13.37	77.92	76.95	0.0003	54151	12.36	120.46	12.57	113.21
13J1800N	13J	G100YR24HR	12.64	78.26	76.95	0.0002	67087	12.48	202.17	12.56	194.00
13J1820P	13J	G002YR24HR	13.53	80.12	82.05	0.0002	28312	12.50	17.77	13.52	9.15
13J1820P	13J	G010YR24HR	13.13	81.23	82.05	0.0002	31556	12.50	36.28	13.76	24.56
13J1820P	13J	G025YR24HR	13.05	82.01	82.05	0.0002	47938	12.50	50.16	13.05	35.36
13J1820P	13J	G100YR24HR	12.53	82.18	82.05	0.0003	47938	12.42	75.37	12.53	74.59
13J1900N	13J	G002YR24HR	15.95	77.46	81.75	-0.0002	3429	16.86	31.84	16.89	31.87
13J1900N	13J	G010YR24HR	15.50	78.09	81.75	0.0002	3870	16.52	56.81	16.53	56.83
13J1900N	13J	G025YR24HR	15.47	78.34	81.75	0.0007	3821	16.43	72.42	16.42	72.44
13J1900N	13J	G100YR24HR	16.57	78.65	81.75	0.0007	4052	17.08	98.09	17.09	98.10
13J2100N	13J	G002YR24HR	16.39	77.81	82.26	0.0001	3283	16.87	31.49	16.91	31.51
13J2100N	13J	G010YR24HR	16.33	78.65	82.26	0.0002	3422	16.54	56.24	16.56	56.25
13J2100N	13J	G025YR24HR	16.47	79.30	82.26	-0.0007	3338	16.44	71.71	16.47	71.71
13J2100N	13J	G100YR24HR	17.10	80.24	82.26	-0.0007	3670	17.06	97.21	17.10	97.21
13J2200P	13J	G002YR24HR	16.97	80.13	78.45	0.0001	681954	12.33	156.34	16.87	31.49
13J2200P	13J	G010YR24HR	16.55	81.16	78.45	0.0001	1028490	12.33	260.94	16.54	56.24
13J2200P	13J	G025YR24HR	16.44	81.65	78.45	0.0001	1226758	12.34	339.59	16.44	71.71
13J2200P	13J	G100YR24HR	17.06	82.31	78.45	0.0001	1513348	12.25	466.26	17.06	97.21
13J2220P	13J	G002YR24HR	14.08	81.30	84.15	0.0001	75408	12.67	35.49	14.05	18.73
13J2220P	13J	G010YR24HR	14.08	82.77	84.15	0.0002	162918	12.68	79.34	14.07	37.15
13J2220P	13J	G025YR24HR	14.63	83.49	84.15	0.0003	285835	12.51	124.05	13.54	43.59
13J2220P	13J	G100YR24HR	15.19	84.43	84.15	0.0004	467737	12.42	179.06	12.69	44.91
13J2221P	13J	G002YR24HR	14.60	87.10	87.45	0.0001	94835	12.23	22.34	14.60	2.49
13J2221P	13J	G010YR24HR	12.86	87.46	87.45	0.0001	100377	12.15	42.95	12.86	16.82
13J2221P	13J	G025YR24HR	12.47	87.55	87.45	0.0001	101136	12.14	55.42	12.47	41.41
13J2221P	13J	G100YR24HR	12.25	87.63	87.45	0.0001	101774	12.12	77.13	12.25	73.29
13J2222P	13J	G002YR24HR	12.36	88.39	89.20	0.0001	36754	12.08	19.36	12.36	13.17
13J2222P	13J	G010YR24HR	12.24	88.64	89.20	0.0001	39521	12.08	31.68	12.24	25.56
13J2222P	13J	G025YR24HR	12.23	88.76	89.20	0.0001	40976	12.08	40.32	12.23	33.08
13J2222P	13J	G100YR24HR	12.22	88.97	89.20	0.0001	43292	12.08	55.43	12.22	45.94
13J2231N	13J	G002YR24HR	16.59	80.18	0.00	-0.0009	495	12.50	42.42	12.50	42.26
13J2231N	13J	G010YR24HR	13.80	81.39	0.00	-0.0009	495	12.53	57.37	12.54	57.17
13J2231N	13J	G025YR24HR	14.05	82.00	0.00	-0.0009	495	12.65	56.74	12.68	56.58
13J2231N	13J	G100YR24HR	14.70	82.76	0.00	-0.0017	495	12.63	57.15	12.66	56.98
13J2232N	13J	G002YR24HR	13.48	80.48	81.45	0.0005	450	12.50	41.83	12.50	41.68
13J2232N	13J	G010YR24HR	13.19	82.30	81.45	0.0005	450	12.94	76.18	12.94	76.14
13J2232N	13J	G025YR24HR	13.42	82.94	81.45	0.0005	450	13.11	86.59	13.11	86.54
13J2232N	13J	G100YR24HR	13.83	83.71	81.45	0.0010	450	13.26	95.38	13.27	95.34
13J2233P	13J	G002YR24HR	13.52	81.94	81.85	0.0001	58616	13.08	19.11	13.52	17.91
13J2233P	13J	G010YR24HR	13.20	82.33	81.85	0.0001	89501	12.92	43.95	13.50	44.02
13J2233P	13J	G025YR24HR	13.42	82.96	81.85	0.0001	142726	12.83	58.40	13.92	53.53
13J2233P	13J	G100YR24HR	13.84	83.73	81.85	0.0002	341445	12.83	79.62	14.78	61.14
13J2234P	13J	G002YR24HR	14.05	82.85	83.45	0.0001	40849	12.42	12.90	14.05	4.19
13J2234P	13J	G010YR24HR	13.25	83.29	83.45	0.0001	69298	12.42	24.25	13.25	13.01
13J2234P	13J	G025YR24HR	13.26	83.56	83.45	0.0001	90925	12.42	32.45	13.00	17.22
13J2234P	13J	G100YR24HR	13.55	84.01	83.45	0.0001	135717	12.42	46.91	12.84	21.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K0250N	13K	G002YR24HR	12.22	58.04	0.00	0.0007	510	12.22	80.51	12.22	80.51
13K0250N	13K	G010YR24HR	12.10	58.36	0.00	0.0005	510	12.08	90.31	12.10	90.30
13K0250N	13K	G025YR24HR	12.09	58.46	0.00	0.0004	510	12.08	93.08	12.09	93.05
13K0250N	13K	G100YR24HR	12.09	58.61	0.00	0.0004	510	12.08	97.20	12.09	97.16
13K0400N	13K	G002YR24HR	12.26	60.27	60.67	0.0014	7729	12.08	82.03	12.32	74.39
13K0400N	13K	G010YR24HR	12.15	60.85	60.67	0.0014	11551	12.15	89.52	12.17	89.56
13K0400N	13K	G025YR24HR	12.10	60.90	60.67	0.0014	11865	12.08	100.59	12.10	100.46
13K0400N	13K	G100YR24HR	13.74	61.21	60.67	0.0014	20160	13.73	246.43	13.74	246.43
13K0550N	13K	G002YR24HR	12.24	61.08	64.95	0.0065	494	12.09	72.69	12.54	72.64
13K0550N	13K	G010YR24HR	12.20	61.87	64.95	-0.0054	471	11.87	75.90	12.21	74.96
13K0550N	13K	G025YR24HR	15.89	62.30	64.95	-0.0057	471	15.78	88.28	15.80	88.28
13K0550N	13K	G100YR24HR	13.64	62.76	64.95	-0.0057	471	12.42	96.64	12.42	96.52
13K0650N	13K	G002YR24HR	12.24	61.68	64.35	0.0018	552	12.09	62.88	12.09	62.59
13K0650N	13K	G010YR24HR	12.61	63.02	64.35	0.0064	4627	13.52	72.14	14.54	72.26
13K0650N	13K	G025YR24HR	15.92	64.46	64.35	0.0064	25119	15.87	97.09	15.92	97.06
13K0650N	13K	G100YR24HR	13.75	65.02	64.35	0.0066	44589	13.72	241.40	13.75	241.32
13K0750N	13K	G002YR24HR	12.23	62.69	64.95	0.0021	1373	12.08	63.87	12.09	62.88
13K0750N	13K	G010YR24HR	12.80	64.37	64.95	0.0021	102610	12.08	97.88	13.52	72.14
13K0750N	13K	G025YR24HR	15.88	65.25	64.95	0.0022	204796	12.23	125.15	15.87	97.09
13K0750N	13K	G100YR24HR	13.72	65.73	64.95	0.0020	213515	13.56	243.92	13.72	241.40
13K0820N	13K	G002YR24HR	12.76	63.23	62.63	0.0014	2817	13.34	33.67	13.34	34.09
13K0820N	13K	G010YR24HR	12.82	64.41	62.63	0.0015	4773	24.63	34.28	24.64	34.60
13K0820N	13K	G025YR24HR	15.88	65.27	62.63	0.0018	5672	26.55	35.68	26.55	35.94
13K0820N	13K	G100YR24HR	13.72	65.77	62.63	0.0014	6315	28.80	35.84	28.80	36.10
13K0860N	13K	G002YR24HR	12.84	63.42	62.12	0.0006	3222	19.16	20.65	19.08	20.66
13K0860N	13K	G010YR24HR	12.87	64.51	62.12	0.0006	4859	29.46	20.60	29.46	20.65
13K0860N	13K	G025YR24HR	15.88	65.43	62.12	0.0004	5862	32.15	20.59	32.15	20.64
13K0860N	13K	G100YR24HR	13.73	65.91	62.12	0.0004	6489	34.44	20.59	34.44	20.64
13K0900P	13K	G002YR24HR	12.85	63.37	63.95	0.0002	52584	12.08	16.19	13.34	6.77
13K0900P	13K	G010YR24HR	12.81	64.40	63.95	0.0003	82516	12.08	26.81	13.55	9.75
13K0900P	13K	G025YR24HR	15.88	65.26	63.95	0.0003	100588	12.08	34.25	15.88	12.64
13K0900P	13K	G100YR24HR	13.72	65.76	63.95	0.0004	112237	13.22	72.44	13.66	68.35
13K1100N	13K	G002YR24HR	12.93	64.34	67.75	0.0008	2667	13.14	26.37	13.34	26.60
13K1100N	13K	G010YR24HR	13.45	65.90	67.75	0.0008	4273	14.23	34.24	14.32	34.37
13K1100N	13K	G025YR24HR	15.73	67.20	67.75	0.0008	5605	14.76	37.15	22.31	37.21
13K1100N	13K	G100YR24HR	13.60	67.52	67.75	0.0008	5935	12.65	37.04	25.09	37.27
13K1150P	13K	G002YR24HR	12.95	64.69	62.45	0.0006	49935	12.17	35.23	13.27	6.05
13K1150P	13K	G010YR24HR	13.70	66.47	62.45	0.0005	88613	12.13	66.80	14.26	7.85
13K1150P	13K	G025YR24HR	15.56	67.87	62.45	0.0004	118899	12.13	87.99	14.82	8.49
13K1150P	13K	G100YR24HR	13.33	68.13	62.45	0.0004	124718	12.10	124.82	21.48	8.46
13K1300N	13K	G002YR24HR	12.94	64.69	67.75	0.0008	10230	12.25	42.02	12.24	39.10
13K1300N	13K	G010YR24HR	13.69	66.48	67.75	-0.0006	20786	12.17	73.18	12.20	59.59
13K1300N	13K	G025YR24HR	15.54	67.87	67.75	-0.0006	30450	12.17	92.31	12.19	73.34
13K1300N	13K	G100YR24HR	13.33	68.13	67.75	-0.0006	32452	12.28	130.25	12.28	102.45
13K1500N	13K	G002YR24HR	12.25	73.73	0.00	0.0003	5281	12.13	24.32	12.25	23.20
13K1500N	13K	G010YR24HR	12.15	74.31	0.00	0.0003	5853	12.08	39.96	12.15	39.00
13K1500N	13K	G025YR24HR	12.14	74.57	0.00	0.0003	6117	12.08	48.10	12.14	46.97

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K1500N	13K	G100YR24HR	12.12	74.94	0.00	-0.0003	6512	13.55	78.10	13.59	78.06
13K1600N	13K	G002YR24HR	18.50	74.62	0.00	0.0003	2956	18.50	19.46	18.53	19.46
13K1600N	13K	G010YR24HR	16.00	74.97	0.00	0.0003	3046	17.09	25.31	17.04	25.31
13K1600N	13K	G025YR24HR	12.16	75.10	0.00	0.0003	3132	14.58	27.52	14.63	27.52
13K1600N	13K	G100YR24HR	12.14	75.39	0.00	0.0003	3263	13.50	33.08	12.34	33.20
13K1750N	13K	G002YR24HR	18.51	74.72	0.00	-0.0004	18561	18.19	18.89	18.75	18.90
13K1750N	13K	G010YR24HR	16.01	75.07	0.00	-0.0004	18561	16.60	38.77	16.39	38.94
13K1750N	13K	G025YR24HR	14.67	75.13	0.00	-0.0004	18561	14.77	46.02	14.81	46.05
13K1750N	13K	G100YR24HR	13.60	75.46	0.00	-0.0004	20730	13.59	77.23	13.66	77.33
13K2000N	13K	G002YR24HR	20.17	79.09	0.00	0.0000	3485	20.09	4.15	20.17	4.15
13K2000N	13K	G010YR24HR	20.23	79.38	0.00	0.0000	3640	20.14	6.54	20.23	6.54
13K2000N	13K	G025YR24HR	20.22	79.53	0.00	0.0000	3738	20.14	8.24	20.22	8.24
13K2000N	13K	G100YR24HR	20.31	79.73	0.00	0.0001	3868	20.23	10.80	20.31	10.80
13K2240P	13K	G002YR24HR	12.41	80.33	0.00	0.0001	43560	12.08	23.56	12.41	14.19
13K2240P	13K	G010YR24HR	12.23	80.59	0.00	0.0001	43560	12.08	37.79	12.23	31.00
13K2240P	13K	G025YR24HR	12.21	80.72	0.00	0.0001	43560	12.08	47.77	12.21	40.50
13K2240P	13K	G100YR24HR	12.19	80.91	0.00	0.0001	43560	12.08	65.27	12.19	56.64
13K3050P	13K	G002YR24HR	12.57	78.23	0.00	0.0000	276768	12.08	39.18	12.57	23.12
13K3050P	13K	G010YR24HR	12.99	78.44	0.00	0.0000	305960	12.54	79.02	12.99	62.21
13K3050P	13K	G025YR24HR	12.70	78.54	0.00	0.0001	320706	12.29	116.20	12.70	90.26
13K3050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	340651	12.08	170.31	12.46	137.93
13K3200P	13K	G002YR24HR	12.56	80.87	81.95	0.0001	20583	12.42	34.17	12.56	32.01
13K3200P	13K	G010YR24HR	12.53	81.38	81.95	0.0002	21233	12.33	54.52	12.53	51.78
13K3200P	13K	G025YR24HR	12.52	81.69	81.95	0.0002	21642	12.33	68.82	12.52	65.71
13K3200P	13K	G100YR24HR	12.42	82.02	81.95	0.0002	21980	12.33	93.92	12.42	93.69
13K4050P	13K	G002YR24HR	14.37	78.23	0.00	0.0001	395673	12.10	58.06	14.78	11.09
13K4050P	13K	G010YR24HR	13.01	78.44	0.00	0.0001	415064	12.08	95.04	13.26	41.30
13K4050P	13K	G025YR24HR	12.71	78.54	0.00	0.0001	424303	12.08	120.58	12.83	61.14
13K4050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	436892	12.08	167.03	12.49	106.88
13K4200P	13K	G002YR24HR	12.20	80.56	85.95	0.0009	125	12.17	24.24	12.18	24.18
13K4200P	13K	G010YR24HR	12.97	81.70	85.95	-0.0215	105482	12.17	50.03	12.94	25.19
13K4200P	13K	G025YR24HR	13.08	82.32	85.95	-0.0234	170994	12.30	88.55	13.24	27.30
13K4200P	13K	G100YR24HR	13.23	83.01	85.95	-0.0241	254640	12.17	158.02	13.60	29.59
13K4400P	13K	G002YR24HR	12.72	81.20	82.15	0.0002	32671	12.08	24.52	12.72	7.72
13K4400P	13K	G010YR24HR	12.60	82.46	82.15	0.0003	32671	12.08	39.68	12.59	16.27
13K4400P	13K	G025YR24HR	12.35	82.63	82.15	0.0003	32671	12.08	50.30	12.34	34.02
13K4400P	13K	G100YR24HR	13.22	83.02	82.15	0.0004	32671	12.08	68.91	12.16	61.65
13L0020N	13L	G002YR24HR	12.10	53.44	53.95	0.0016	783	12.08	9.27	12.10	9.09
13L0020N	13L	G010YR24HR	12.08	54.08	53.95	0.0016	559	12.08	17.29	12.08	17.26
13L0020N	13L	G025YR24HR	12.08	54.15	53.95	0.0016	559	12.08	23.68	12.08	23.66
13L0020N	13L	G100YR24HR	14.37	54.50	53.95	0.0052	485	12.08	35.79	12.08	35.77
13L0040P	13L	G002YR24HR	24.30	53.05	53.23	0.0000	601710	12.25	92.79	4.04	2.95
13L0040P	13L	G010YR24HR	24.29	53.82	53.23	0.0001	688113	12.25	165.19	22.49	3.38
13L0040P	13L	G025YR24HR	18.74	54.13	53.23	0.0001	739802	12.25	220.32	59.16	3.00
13L0040P	13L	G100YR24HR	14.33	54.57	53.23	0.0001	828223	12.25	316.67	1.70	18.64
13L0200N	13L	G002YR24HR	30.20	51.91	54.35	0.0000	10529	25.34	85.48	25.38	85.43

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L0200N	13L	G010YR24HR	28.50	53.02	54.35	0.0001	11710	23.66	165.12	23.64	162.81
13L0200N	13L	G025YR24HR	28.32	53.57	54.35	0.0012	12114	42.79	217.85	26.89	204.55
13L0200N	13L	G100YR24HR	26.54	54.30	54.35	0.0012	17179	27.41	297.68	27.39	297.69
13L0400N	13L	G002YR24HR	29.96	51.94	54.85	0.0000	39994	25.50	85.63	25.53	85.45
13L0400N	13L	G010YR24HR	28.24	53.06	54.85	0.0001	41019	24.54	162.28	23.66	162.84
13L0400N	13L	G025YR24HR	27.81	53.80	54.85	0.0003	39875	26.79	204.69	42.79	217.85
13L0400N	13L	G100YR24HR	27.15	54.79	54.85	-0.0003	39875	27.40	297.65	27.41	297.68
13L0820P	13L	G002YR24HR	29.92	51.94	53.95	0.0001	49870	12.25	35.44	12.39	33.90
13L0820P	13L	G010YR24HR	28.19	53.07	53.95	0.0001	72842	12.25	60.79	12.33	59.70
13L0820P	13L	G025YR24HR	27.80	53.80	53.95	0.0001	90499	12.25	78.63	12.31	77.50
13L0820P	13L	G100YR24HR	27.15	54.80	53.95	0.0001	138493	12.25	109.83	12.22	101.76
13L1020P	13L	G002YR24HR	14.70	54.65	56.35	0.0001	160094	12.33	34.31	14.70	5.98
13L1020P	13L	G010YR24HR	13.06	54.93	56.35	0.0001	167915	12.33	58.70	13.06	32.97
13L1020P	13L	G025YR24HR	12.80	55.03	56.35	0.0001	171150	12.33	75.86	12.80	54.48
13L1020P	13L	G100YR24HR	12.60	55.17	56.35	0.0001	175432	12.33	105.88	12.60	92.04
13L1202N	GEE	G002YR24HR	12.88	60.54	60.58	0.0002	25374	12.33	11.57	12.65	8.36
13L1202N	GEE	G010YR24HR	13.62	61.61	60.58	0.0001	61238	12.33	23.90	12.09	9.41
13L1202N	GEE	G025YR24HR	13.98	62.27	60.58	0.0001	73163	12.33	33.08	11.88	9.06
13L1202N	GEE	G100YR24HR	14.46	63.27	60.58	0.0002	92021	12.33	49.55	11.68	8.54
13L1203N	GEE	G002YR24HR	12.88	60.50	60.65	-0.0017	1048	12.65	9.82	12.74	8.80
13L1203N	GEE	G010YR24HR	13.62	61.60	60.65	0.0042	4835	12.09	12.09	12.87	9.01
13L1203N	GEE	G025YR24HR	13.98	62.27	60.65	0.0028	5885	11.88	11.11	12.95	9.08
13L1203N	GEE	G100YR24HR	14.46	63.27	60.65	-0.0027	7422	12.33	12.45	13.14	9.14
13L1400N	13L	G002YR24HR	24.29	52.27	53.95	0.0001	9250	14.95	134.87	14.97	134.73
13L1400N	13L	G010YR24HR	24.48	53.39	53.95	0.0001	10166	14.95	277.00	14.96	276.76
13L1400N	13L	G025YR24HR	25.41	54.13	53.95	0.0001	10178	14.74	360.14	14.75	359.96
13L1400N	13L	G100YR24HR	25.57	55.22	53.95	0.0002	10195	14.11	494.86	13.91	495.80
13L1600N	13L	G002YR24HR	16.19	52.58	53.95	0.0001	4742	14.94	134.93	14.95	134.87
13L1600N	13L	G010YR24HR	15.74	53.80	53.95	0.0001	4795	14.95	277.10	14.95	277.00
13L1600N	13L	G025YR24HR	15.14	54.37	53.95	0.0002	4799	14.73	360.19	14.74	360.14
13L1600N	13L	G100YR24HR	24.35	55.49	53.95	0.0002	4807	14.11	494.98	14.11	494.86
13L1825N	13L	G002YR24HR	12.56	54.84	57.35	0.0003	10856	12.53	241.91	12.55	241.73
13L1825N	13L	G010YR24HR	12.56	55.70	57.35	0.0016	13043	12.22	365.06	12.77	380.06
13L1825N	13L	G025YR24HR	12.90	56.22	57.35	0.0016	14209	12.81	460.97	12.83	460.56
13L1825N	13L	G100YR24HR	13.09	57.18	57.35	0.0016	15707	12.58	587.52	12.60	584.85
13L1875P	13L	G002YR24HR	12.61	55.25	58.15	0.0003	183112	12.23	224.66	12.91	178.82
13L1875P	13L	G010YR24HR	13.05	56.19	58.15	0.0003	377323	12.17	349.04	13.30	298.77
13L1875P	13L	G025YR24HR	13.11	56.68	58.15	0.0003	494221	12.17	426.15	13.22	386.41
13L1875P	13L	G100YR24HR	13.08	57.27	58.15	0.0003	635220	12.54	624.26	12.72	536.45
13L1885P	13L	G002YR24HR	12.29	56.47	60.00	0.0002	28763	12.17	82.28	12.28	76.75
13L1885P	13L	G010YR24HR	12.27	57.10	60.00	0.0002	31851	12.17	135.70	12.27	128.46
13L1885P	13L	G025YR24HR	12.26	57.50	60.00	0.0003	35096	12.17	173.17	12.26	163.99
13L1885P	13L	G100YR24HR	12.27	58.10	60.00	0.0003	47935	12.17	238.76	12.27	224.20
13L1890P	13L	G002YR24HR	12.36	56.07	56.94	0.0004	58495	12.26	87.99	12.36	84.92
13L1890P	13L	G010YR24HR	12.30	56.27	56.94	0.0001	63446	12.24	147.53	12.30	145.91
13L1890P	13L	G025YR24HR	12.29	56.38	56.94	0.0001	67251	12.23	188.52	12.29	186.77
13L1890P	13L	G100YR24HR	13.07	57.17	56.94	0.0001	97629	12.24	257.78	12.17	241.49

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L1895P	13L	G002YR24HR	15.64	55.91	58.25	0.0002	76748	13.52	36.43	15.64	32.66
13L1895P	13L	G010YR24HR	14.61	56.78	58.25	0.0002	90886	12.09	46.63	20.29	37.57
13L1895P	13L	G025YR24HR	14.41	57.23	58.25	0.0002	97874	11.94	74.34	25.30	35.76
13L1895P	13L	G100YR24HR	15.00	58.14	58.25	0.0002	113404	12.25	52.00	15.37	27.04
13L1950P	13L	G002YR24HR	15.64	55.92	55.95	0.0002	1176629	12.50	236.80	15.49	96.45
13L1950P	13L	G010YR24HR	14.61	56.78	55.95	0.0002	1285228	12.61	479.28	14.95	208.84
13L1950P	13L	G025YR24HR	14.41	57.23	55.95	0.0002	1345086	12.45	652.24	15.01	256.20
13L1950P	13L	G100YR24HR	15.00	58.14	55.95	0.0002	1454310	12.24	841.70	15.15	333.04
13L1951P	GEE	G002YR24HR	14.74	56.35	0.00	0.0001	21771	12.08	7.86	14.74	0.54
13L1951P	GEE	G010YR24HR	14.62	56.78	0.00	0.0002	27925	12.08	13.22	12.51	6.49
13L1951P	GEE	G025YR24HR	14.42	57.23	0.00	0.0002	36918	12.08	16.98	12.33	12.00
13L1951P	GEE	G100YR24HR	15.01	58.14	0.00	0.0001	62527	12.08	23.56	12.18	20.77
13L1975P	13L	G002YR24HR	14.65	56.01	55.95	0.0003	347776	12.49	186.54	13.33	137.43
13L1975P	13L	G010YR24HR	14.61	56.79	55.95	0.0003	416557	12.50	318.89	12.73	267.69
13L1975P	13L	G025YR24HR	14.41	57.23	55.95	0.0003	467057	12.43	405.68	12.48	330.72
13L1975P	13L	G100YR24HR	15.00	58.14	55.95	0.0003	550735	12.34	549.05	12.23	366.54
13L2050P	13L	G002YR24HR	12.88	56.55	55.95	0.0012	234265	12.26	211.57	12.54	164.88
13L2050P	13L	G010YR24HR	12.62	57.01	55.95	0.0012	295431	12.25	330.31	12.54	284.04
13L2050P	13L	G025YR24HR	14.40	57.24	55.95	0.0012	321807	12.25	392.27	12.45	358.59
13L2050P	13L	G100YR24HR	15.00	58.14	55.95	0.0012	390739	12.25	514.03	12.35	481.30
13L2150N	13L	G002YR24HR	12.35	61.50	67.25	0.0005	497	12.35	119.69	12.35	119.69
13L2150N	13L	G010YR24HR	12.34	63.97	67.25	0.0009	491	12.33	173.29	12.34	173.28
13L2150N	13L	G025YR24HR	12.42	64.97	67.25	0.0010	487	12.41	190.88	12.42	190.87
13L2150N	13L	G100YR24HR	13.96	69.32	67.25	0.0010	446	13.95	253.15	13.96	253.14
13L2300P	13L	G002YR24HR	12.52	65.05	67.25	0.0002	28415	12.39	94.76	12.55	94.13
13L2300P	13L	G010YR24HR	12.58	66.88	67.25	0.0003	39163	12.27	155.58	13.25	140.33
13L2300P	13L	G025YR24HR	12.57	67.73	67.25	0.0005	58499	12.08	182.76	12.84	147.03
13L2300P	13L	G100YR24HR	13.96	69.42	67.25	0.0006	125100	13.38	268.62	14.15	242.28
13L2400N	13L	G002YR24HR	12.63	67.12	71.05	0.0008	542	12.62	86.95	12.62	86.94
13L2400N	13L	G010YR24HR	12.41	69.51	71.05	0.0008	147	12.27	134.79	12.27	134.72
13L2400N	13L	G025YR24HR	12.44	70.51	71.05	0.0015	147	12.08	148.67	12.08	148.40
13L2400N	13L	G100YR24HR	13.47	72.99	71.05	0.0018	75729	13.26	268.48	13.39	263.20
13L2520P	13L	G002YR24HR	12.17	75.55	78.95	0.0000	5445	12.17	21.56	12.17	21.49
13L2520P	13L	G010YR24HR	12.17	75.72	78.95	0.0001	5445	12.17	42.55	12.17	42.51
13L2520P	13L	G025YR24HR	12.17	75.83	78.95	0.0001	5445	12.17	57.91	12.17	57.91
13L2520P	13L	G100YR24HR	12.11	76.01	78.95	0.0001	5445	12.08	85.67	12.11	85.52
13L2540P	13L	G002YR24HR	12.33	73.22	78.95	0.0002	6534	12.08	10.03	12.33	7.06
13L2540P	13L	G010YR24HR	12.31	73.96	78.95	0.0003	6534	12.08	15.96	12.26	11.73
13L2540P	13L	G025YR24HR	12.21	74.26	78.95	0.0003	6534	12.08	20.12	12.20	16.87
13L2540P	13L	G100YR24HR	12.35	74.97	78.95	0.0004	6534	12.08	27.42	12.11	21.73
13L2560P	13L	G002YR24HR	12.18	82.32	88.95	0.0000	28314	12.08	26.85	12.18	26.54
13L2560P	13L	G010YR24HR	12.17	82.41	88.95	0.0000	28314	12.08	45.34	12.17	44.82
13L2560P	13L	G025YR24HR	12.16	82.47	88.95	0.0000	28314	12.08	58.32	12.16	57.64
13L2560P	13L	G100YR24HR	12.15	82.56	88.95	0.0000	28314	12.08	81.00	12.15	80.09
13L2700N	13L	G002YR24HR	12.57	71.28	74.35	-0.0013	2504	15.58	50.96	12.57	63.37
13L2700N	13L	G010YR24HR	12.96	72.71	74.35	0.0013	3277	12.90	121.15	12.91	120.92

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L2700N	13L	G025YR24HR	13.14	74.07	74.35	-0.0013	3997	12.61	178.11	12.62	177.36
13L2700N	13L	G100YR24HR	12.98	74.66	74.35	-0.0013	7426	12.40	273.45	12.40	272.74
13L2720P	13L	G002YR24HR	12.81	73.65	74.95	0.0001	19229	12.08	10.64	12.72	2.93
13L2720P	13L	G010YR24HR	13.19	74.68	74.95	0.0002	24708	12.08	18.30	12.44	2.86
13L2720P	13L	G025YR24HR	13.83	75.43	74.95	0.0003	27388	12.08	23.69	20.28	2.78
13L2720P	13L	G100YR24HR	12.81	76.15	74.95	0.0003	29284	12.08	33.11	12.80	8.68
13L2750P	13L	G002YR24HR	16.97	77.95	80.50	0.0002	83861	12.17	53.08	16.97	2.92
13L2750P	13L	G010YR24HR	12.88	78.41	80.50	0.0003	87314	12.17	85.97	12.88	38.43
13L2750P	13L	G025YR24HR	12.58	78.68	80.50	0.0003	89417	12.17	109.02	12.58	72.92
13L2750P	13L	G100YR24HR	12.38	79.02	80.50	0.0003	92082	12.17	149.39	12.38	130.00
13L2800N	13L	G002YR24HR	15.49	72.45	77.75	0.0006	4447	15.46	46.80	15.56	46.80
13L2800N	13L	G010YR24HR	13.01	73.28	77.75	0.0006	4919	13.57	78.55	13.49	78.71
13L2800N	13L	G025YR24HR	13.20	74.38	77.75	0.0006	5399	13.24	100.96	13.26	100.99
13L2800N	13L	G100YR24HR	13.03	75.04	77.75	0.0006	6596	13.03	152.93	13.05	152.94
13L3000N	13L	G002YR24HR	15.53	74.29	77.95	0.0004	4129	15.50	46.80	15.46	46.80
13L3000N	13L	G010YR24HR	13.60	75.06	77.95	0.0004	4291	13.57	78.56	13.57	78.55
13L3000N	13L	G025YR24HR	13.24	75.59	77.95	0.0004	4408	13.21	100.97	13.24	100.96
13L3000N	13L	G100YR24HR	13.03	77.74	77.95	0.0004	5135	12.97	153.14	13.03	152.93
13L3100N	13L	G002YR24HR	15.53	74.93	80.75	0.0005	5804	15.49	46.59	15.53	46.58
13L3100N	13L	G010YR24HR	13.60	75.65	80.75	0.0005	5657	13.56	77.94	13.60	77.93
13L3100N	13L	G025YR24HR	13.26	76.14	80.75	0.0005	5742	13.22	100.01	13.28	100.00
13L3100N	13L	G100YR24HR	13.03	77.93	80.75	0.0005	5282	12.89	151.74	13.00	151.20
13L3140P	13L	G002YR24HR	13.66	82.67	84.55	0.0001	184710	12.25	60.52	13.64	13.11
13L3140P	13L	G010YR24HR	13.53	83.46	84.55	0.0001	201234	12.17	102.28	13.53	24.08
13L3140P	13L	G025YR24HR	13.51	84.00	84.55	0.0002	213286	12.17	131.82	13.51	31.21
13L3140P	13L	G100YR24HR	12.88	84.51	84.55	0.0002	229348	12.17	183.48	12.88	87.93
13M0300N	13M	G002YR24HR	24.80	52.08	54.55	0.0008	7082	14.81	20.77	14.90	20.69
13M0300N	13M	G010YR24HR	27.60	53.44	54.55	0.0008	8162	14.58	34.84	14.63	34.58
13M0300N	13M	G025YR24HR	30.19	54.40	54.55	0.0046	11404	18.37	49.18	14.10	38.19
13M0300N	13M	G100YR24HR	36.72	55.63	54.55	0.0050	15336	21.01	76.26	47.38	43.00
13M0850N	13M	G002YR24HR	12.22	52.41	57.28	-0.0050	730	12.21	52.08	12.21	52.06
13M0850N	13M	G010YR24HR	12.19	53.67	57.28	0.0050	629	12.18	76.27	12.19	76.24
13M0850N	13M	G025YR24HR	26.90	54.63	57.28	-0.0050	488	12.11	81.01	12.12	81.01
13M0850N	13M	G100YR24HR	35.80	55.94	57.28	-0.0050	452	12.16	86.56	12.17	86.55
13M0950N	13M	G002YR24HR	12.21	54.40	56.26	0.0047	683	12.21	49.72	12.21	49.71
13M0950N	13M	G010YR24HR	12.20	55.25	56.26	0.0050	557	12.19	72.14	12.20	72.13
13M0950N	13M	G025YR24HR	12.16	55.67	56.26	0.0050	458	12.27	75.56	12.29	75.67
13M0950N	13M	G100YR24HR	12.20	56.46	56.26	0.0050	458	12.29	79.34	12.31	79.40
13M0970N	13M	G002YR24HR	12.19	55.35	55.81	-0.0050	436	12.12	11.83	12.17	11.55
13M0970N	13M	G010YR24HR	12.16	57.03	55.81	-0.0050	436	12.09	16.28	12.12	15.78
13M0970N	13M	G025YR24HR	12.13	57.42	55.81	0.0050	436	11.97	16.91	12.01	15.85
13M0970N	13M	G100YR24HR	12.16	57.79	55.81	0.0050	436	11.86	17.01	11.89	15.76
13M0990P	13M	G002YR24HR	12.12	58.17	57.95	0.0011	10890	12.08	14.84	12.12	14.22
13M0990P	13M	G010YR24HR	12.11	58.30	57.95	0.0013	10890	12.08	24.20	12.09	23.64
13M0990P	13M	G025YR24HR	12.11	58.40	57.95	0.0012	10890	12.08	30.77	12.11	29.74
13M0990P	13M	G100YR24HR	12.10	58.54	57.95	0.0012	10890	12.08	42.25	12.10	41.39

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M1100N	13M	G002YR24HR	12.23	54.68	56.35	0.0042	2438	12.21	27.94	12.26	28.04
13M1100N	13M	G010YR24HR	12.29	56.36	56.35	0.0047	35080	12.13	41.61	12.36	41.44
13M1100N	13M	G025YR24HR	12.44	56.82	56.35	-0.0049	46893	12.14	57.64	12.79	48.21
13M1100N	13M	G100YR24HR	12.57	57.73	56.35	0.0046	62383	12.14	80.86	12.50	63.33
13M1200N	13M	G002YR24HR	12.23	55.48	56.85	0.0020	2836	12.19	26.13	12.23	25.94
13M1200N	13M	G010YR24HR	12.29	56.46	56.85	-0.0040	4600	12.09	37.75	12.26	35.84
13M1200N	13M	G025YR24HR	12.43	56.88	56.85	0.0050	5339	12.14	46.11	17.82	44.48
13M1200N	13M	G100YR24HR	12.56	57.76	56.85	0.0024	13080	12.18	62.00	12.43	57.39
13M1400N	13M	G002YR24HR	12.21	56.12	58.58	0.0025	4654	12.14	23.81	12.21	23.18
13M1400N	13M	G010YR24HR	12.28	56.65	58.58	0.0027	5312	12.09	34.51	12.10	32.30
13M1400N	13M	G025YR24HR	12.41	56.98	58.58	0.0026	5898	12.14	41.38	12.14	39.57
13M1400N	13M	G100YR24HR	12.54	57.86	58.58	0.0027	8103	12.20	57.92	12.35	54.60
13M1500N	13M	G002YR24HR	12.17	56.67	58.65	0.0029	4687	12.09	20.03	12.16	19.10
13M1500N	13M	G010YR24HR	12.28	57.05	58.65	0.0032	5093	12.08	27.53	20.14	26.74
13M1500N	13M	G025YR24HR	12.39	57.31	58.65	0.0031	5436	19.58	38.90	19.62	38.90
13M1500N	13M	G100YR24HR	12.50	58.05	58.65	0.0031	6586	13.29	48.83	13.29	49.00
13M1520P	13M	G002YR24HR	12.11	61.37	61.45	0.0035	4356	12.08	11.19	12.11	10.89
13M1520P	13M	G010YR24HR	12.34	61.63	61.45	0.0037	38303	12.08	18.19	11.93	12.80
13M1520P	13M	G025YR24HR	12.41	61.82	61.45	-0.0039	41456	12.08	23.10	12.41	13.81
13M1520P	13M	G100YR24HR	12.35	62.03	61.45	-0.0039	44798	12.08	31.69	12.35	21.27
13M1600N	13M	G002YR24HR	24.54	56.73	61.04	0.0031	694	24.23	8.90	24.29	8.90
13M1600N	13M	G010YR24HR	21.08	57.80	61.04	0.0037	629	21.03	25.83	21.18	25.83
13M1600N	13M	G025YR24HR	19.88	58.81	61.04	0.0033	526	19.84	37.56	20.01	37.56
13M1600N	13M	G100YR24HR	22.18	60.12	61.04	-0.0062	449	19.20	44.47	19.20	44.47
13M1925P	13M	G002YR24HR	12.86	63.39	66.95	0.0023	21780	12.08	23.42	12.86	8.11
13M1925P	13M	G010YR24HR	12.88	64.93	66.95	0.0028	21780	12.08	37.09	12.88	12.36
13M1925P	13M	G025YR24HR	12.94	66.13	66.95	0.0031	21780	12.08	46.71	12.94	14.13
13M1925P	13M	G100YR24HR	12.69	67.62	66.95	0.0038	26130	12.08	63.59	12.69	28.73
13M2317N	13M	G002YR24HR	13.18	59.74	0.00	-0.0043	2996	13.12	35.98	13.18	29.75
13M2317N	13M	G010YR24HR	13.21	59.98	0.00	0.0046	2761	12.38	36.22	13.48	33.06
13M2317N	13M	G025YR24HR	16.68	60.10	0.00	0.0043	2468	12.23	36.32	12.88	34.83
13M2317N	13M	G100YR24HR	17.33	61.52	0.00	-0.0046	2229	12.06	36.39	12.68	34.95
13M2318N	13M	G002YR24HR	13.12	60.18	0.00	0.0050	2381	14.08	31.64	13.12	35.98
13M2318N	13M	G010YR24HR	12.38	60.19	0.00	0.0044	2339	13.04	32.80	12.38	36.22
13M2318N	13M	G025YR24HR	12.23	60.20	0.00	0.0050	2338	12.88	34.19	12.23	36.32
13M2318N	13M	G100YR24HR	16.36	61.75	0.00	0.0050	2194	12.72	35.58	12.06	36.39
13M2319N	13M	G002YR24HR	14.08	60.30	0.00	0.0043	2533	13.14	28.01	14.08	31.64
13M2319N	13M	G010YR24HR	13.05	60.35	0.00	-0.0033	2531	13.02	32.80	13.04	32.80
13M2319N	13M	G025YR24HR	12.91	60.41	0.00	0.0034	2529	12.87	34.19	12.88	34.19
13M2319N	13M	G100YR24HR	16.29	61.82	0.00	-0.0050	2336	12.71	35.59	12.72	35.58
13M2320N	13M	G002YR24HR	14.09	60.54	0.00	0.0027	2491	13.47	27.74	13.14	28.01
13M2320N	13M	G010YR24HR	13.04	60.70	0.00	0.0019	2486	12.99	32.81	13.02	32.80
13M2320N	13M	G025YR24HR	12.89	60.76	0.00	0.0017	2483	12.84	34.21	12.87	34.19
13M2320N	13M	G100YR24HR	16.19	61.91	0.00	0.0032	2332	12.68	35.60	12.71	35.59
13M2330P	13M	G002YR24HR	13.40	69.09	68.00	0.0027	60595	12.38	38.60	15.44	16.50
13M2330P	13M	G010YR24HR	12.90	70.05	68.00	0.0028	88198	12.12	79.71	12.90	46.19
13M2330P	13M	G025YR24HR	12.75	70.37	68.00	-0.0028	97348	12.08	102.03	12.75	75.04

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M2330P	13M	G100YR24HR	12.64	70.82	68.00	0.0050	110322	12.21	146.19	12.64	125.93
13M2331N	13M	G002YR24HR	13.40	69.08	0.00	0.0050	5374	12.12	22.24	12.13	22.23
13M2331N	13M	G010YR24HR	12.90	70.05	0.00	-0.0039	12121	12.10	38.13	12.06	36.50
13M2331N	13M	G025YR24HR	12.75	70.37	0.00	-0.0049	14348	12.09	49.31	12.08	41.50
13M2331N	13M	G100YR24HR	12.64	70.82	0.00	-0.0050	17497	12.09	68.94	12.11	55.99
13M2332P	13M	G002YR24HR	12.17	74.04	74.45	0.0013	6359	12.08	13.08	12.17	12.72
13M2332P	13M	G010YR24HR	12.16	74.26	74.45	0.0014	6622	12.08	21.60	12.16	21.14
13M2332P	13M	G025YR24HR	12.14	74.38	74.45	0.0014	6985	12.08	27.57	12.14	27.05
13M2332P	13M	G100YR24HR	12.13	74.55	74.45	0.0014	7624	12.08	38.01	12.13	37.43
13M2333N	13M	G002YR24HR	13.47	67.35	0.00	0.0050	2192	13.32	27.80	13.47	27.74
13M2333N	13M	G010YR24HR	12.99	68.59	0.00	0.0048	2193	12.76	32.98	12.99	32.81
13M2333N	13M	G025YR24HR	12.84	68.97	0.00	-0.0042	2193	12.61	34.43	12.84	34.21
13M2333N	13M	G100YR24HR	12.68	69.36	0.00	-0.0038	2182	12.35	36.20	12.68	35.60
13M2334N	13M	G002YR24HR	13.40	69.13	67.86	-0.0049	448	12.68	29.97	12.83	31.70
13M2334N	13M	G010YR24HR	12.94	70.11	67.86	0.0050	448	12.62	54.67	12.57	57.01
13M2334N	13M	G025YR24HR	12.75	70.45	67.86	-0.0050	448	12.59	73.41	12.57	77.01
13M2334N	13M	G100YR24HR	12.63	70.93	67.86	-0.0050	448	12.56	105.81	12.58	109.43
13M2335N	13M	G002YR24HR	12.80	70.58	70.00	0.0050	26650	12.60	28.22	12.77	27.42
13M2335N	13M	G010YR24HR	12.71	70.89	70.00	0.0050	33323	12.58	51.07	12.69	49.97
13M2335N	13M	G025YR24HR	12.66	71.08	70.00	-0.0048	38232	12.54	68.43	12.66	67.03
13M2335N	13M	G100YR24HR	12.63	71.36	70.00	-0.0045	45611	12.51	98.46	12.62	96.52
13M2340P	13M	G002YR24HR	12.74	71.33	70.95	0.0007	107778	12.25	39.65	12.73	25.32
13M2340P	13M	G010YR24HR	12.67	71.66	70.95	0.0007	123764	12.25	65.84	12.66	45.71
13M2340P	13M	G025YR24HR	12.63	71.84	70.95	0.0008	137910	12.25	84.22	12.62	61.02
13M2340P	13M	G100YR24HR	12.59	72.09	70.95	0.0008	157940	12.25	116.39	12.58	87.52
13N0050P	13N	G002YR24HR	27.00	57.18	60.00	0.0002	129417	12.17	51.39	0.00	0.00
13N0050P	13N	G010YR24HR	27.00	58.78	60.00	0.0003	256932	12.17	91.76	0.00	0.00
13N0050P	13N	G025YR24HR	18.71	59.02	60.00	0.0003	291301	12.17	120.45	0.00	0.00
13N0050P	13N	G100YR24HR	14.56	59.51	60.00	0.0003	363303	12.17	170.80	0.00	0.00
13N0100P	13N	G002YR24HR	14.63	53.61	55.50	0.0001	89963	12.08	26.99	15.49	2.99
13N0100P	13N	G010YR24HR	13.85	54.46	55.50	0.0002	98716	12.08	49.52	16.36	11.00
13N0100P	13N	G025YR24HR	13.97	55.01	55.50	0.0002	104646	12.08	65.62	15.02	8.15
13N0100P	13N	G100YR24HR	20.64	55.67	55.50	0.0002	118076	12.08	93.91	12.12	29.19
13N0150N	13N	G002YR24HR	14.67	52.59	56.67	0.0001	849	14.63	7.31	14.66	7.30
13N0150N	13N	G010YR24HR	13.86	53.79	56.67	0.0006	543	13.83	17.72	13.85	17.71
13N0150N	13N	G025YR24HR	24.31	54.24	56.67	0.0007	457	14.02	20.47	14.03	20.47
13N0150N	13N	G100YR24HR	20.92	55.42	56.67	0.0005	457	12.44	20.76	12.44	20.61
13N0200P	13N	G002YR24HR	13.76	54.24	56.00	0.0000	77727	12.00	4.51	13.76	0.07
13N0200P	13N	G010YR24HR	13.81	54.48	56.00	0.0000	85610	12.00	6.31	13.81	0.14
13N0200P	13N	G025YR24HR	13.95	55.02	56.00	0.0001	110253	12.45	24.77	13.95	2.02
13N0200P	13N	G100YR24HR	20.61	55.68	56.00	0.0002	127050	12.13	57.06	14.19	17.34
13N0250N	13N	G002YR24HR	14.73	52.17	56.50	0.0001	3154	14.65	7.36	14.73	7.35
13N0250N	13N	G010YR24HR	26.15	53.32	56.50	0.0004	2860	13.85	17.85	14.25	17.97
13N0250N	13N	G025YR24HR	26.30	54.09	56.50	0.0006	2228	13.97	22.49	13.97	22.52
13N0250N	13N	G100YR24HR	24.76	55.21	56.50	0.0004	2228	13.73	35.51	13.74	35.39
13N0300N	13N	G002YR24HR	26.40	52.19	56.00	-0.0016	5524	12.43	33.01	12.47	32.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13N0300N	13N	G010YR24HR	25.24	53.37	56.00	-0.0016	6443	13.10	55.05	13.10	54.96
13N0300N	13N	G025YR24HR	26.31	54.11	56.00	-0.0016	8207	15.52	76.53	15.55	76.21
13N0300N	13N	G100YR24HR	26.26	55.18	56.00	-0.0016	14324	14.89	111.37	15.02	110.87
13N0301P	13N	G002YR24HR	13.50	58.25	58.60	0.0001	67027	12.33	17.60	13.50	6.10
13N0301P	13N	G010YR24HR	12.85	58.56	58.60	0.0001	83586	12.33	31.62	12.85	19.68
13N0301P	13N	G025YR24HR	12.85	58.76	58.60	0.0001	101650	12.25	41.71	12.65	25.89
13N0301P	13N	G100YR24HR	14.53	59.46	58.60	0.0001	167912	12.25	59.43	12.75	35.07
13N0350N	13N	G002YR24HR	12.42	52.92	56.00	0.0001	8352	12.36	33.31	12.42	33.04
13N0350N	13N	G010YR24HR	24.07	53.48	56.00	0.0002	9209	12.35	55.07	12.41	54.74
13N0350N	13N	G025YR24HR	24.96	54.18	56.00	0.0002	10233	15.49	76.05	15.52	76.05
13N0350N	13N	G100YR24HR	24.50	55.40	56.00	0.0002	16742	14.87	110.96	14.89	110.95
13N0400N	13N	G002YR24HR	12.40	53.29	57.88	0.0002	6947	12.26	26.16	12.36	25.36
13N0400N	13N	G010YR24HR	13.97	54.00	57.88	0.0002	7265	15.60	52.15	15.64	52.16
13N0400N	13N	G025YR24HR	23.90	54.43	57.88	0.0002	8450	14.13	68.07	15.75	67.94
13N0400N	13N	G100YR24HR	24.28	55.49	57.88	0.0002	12177	15.58	94.04	15.48	94.02
13N0600N	13N	G002YR24HR	12.38	53.37	57.88	0.0002	4631	12.25	27.23	12.26	26.16
13N0600N	13N	G010YR24HR	15.58	54.31	57.88	0.0002	4980	15.58	52.15	15.60	52.15
13N0600N	13N	G025YR24HR	15.63	55.08	57.88	0.0002	6913	13.99	68.18	14.13	68.07
13N0600N	13N	G100YR24HR	15.95	56.32	57.88	0.0003	19565	15.54	94.15	15.58	94.04
13N0700P	13N	G002YR24HR	12.33	54.29	58.00	0.0001	52025	12.08	11.42	12.33	7.97
13N0700P	13N	G010YR24HR	12.32	54.39	58.00	0.0001	63893	12.08	17.87	12.32	12.75
13N0700P	13N	G025YR24HR	12.30	54.45	58.00	0.0001	70595	12.08	22.42	12.30	16.36
13N0700P	13N	G100YR24HR	24.50	55.40	58.00	0.0002	130781	12.08	30.42	12.97	23.20
13N0750P	13N	G002YR24HR	25.50	53.16	57.00	0.0000	110071	12.08	10.79	0.00	0.00
13N0750P	13N	G010YR24HR	25.50	53.50	57.00	0.0000	116678	12.08	17.22	0.00	0.00
13N0750P	13N	G025YR24HR	25.50	53.74	57.00	0.0001	117693	12.08	21.74	0.00	0.00
13N0750P	13N	G100YR24HR	31.28	54.76	57.00	0.0001	120858	12.08	29.66	0.00	0.00
13N0800P	13N	G002YR24HR	24.60	53.85	58.00	-0.0163	35532	12.08	10.23	24.45	0.32
13N0800P	13N	G010YR24HR	21.60	55.25	58.00	-0.0163	45159	12.08	19.25	21.50	1.85
13N0800P	13N	G025YR24HR	15.02	55.34	58.00	-0.0163	46160	12.08	25.26	15.00	7.61
13N0800P	13N	G100YR24HR	13.07	55.47	58.00	-0.0163	47610	12.08	35.90	13.07	19.03
13N0805N	13N	G002YR24HR	24.64	53.57	0.00	0.0005	120	24.45	0.32	24.64	0.32
13N0805N	13N	G010YR24HR	24.17	54.67	0.00	0.0008	120	17.24	0.50	17.15	0.49
13N0805N	13N	G025YR24HR	24.27	54.90	0.00	0.0005	120	14.10	0.53	14.08	0.52
13N0805N	13N	G100YR24HR	24.95	55.33	0.00	0.0003	120	12.56	0.54	12.72	0.51
13N0810N	13N	G002YR24HR	26.29	52.23	0.00	0.0001	123	24.64	0.32	24.62	0.32
13N0810N	13N	G010YR24HR	25.15	53.47	0.00	0.0004	114	17.15	0.49	17.16	0.49
13N0810N	13N	G025YR24HR	26.26	54.17	0.00	0.0005	114	14.08	0.52	14.09	0.52
13N0810N	13N	G100YR24HR	26.15	55.19	0.00	0.0002	114	12.72	0.51	12.65	0.49
13N0900P	13N	G002YR24HR	24.59	53.85	57.00	0.0029	45089	12.08	14.82	12.82	1.43
13N0900P	13N	G010YR24HR	21.49	55.25	57.00	0.0029	56532	12.08	27.58	12.81	3.99
13N0900P	13N	G025YR24HR	14.95	55.46	57.00	0.0029	59660	12.08	36.96	14.92	6.28
13N0900P	13N	G100YR24HR	13.74	56.16	57.00	0.0029	81381	12.08	53.79	13.77	15.62
13P0400N	13P	G002YR24HR	12.49	57.26	58.87	0.0002	499	12.49	64.11	12.49	64.11
13P0400N	13P	G010YR24HR	12.47	58.30	58.87	0.0003	1615	12.46	115.03	12.47	115.02
13P0400N	13P	G025YR24HR	12.41	58.66	58.87	0.0005	2885	12.40	155.57	12.41	155.56
13P0400N	13P	G100YR24HR	12.34	58.88	58.87	0.0005	4624	12.34	231.50	12.34	231.49

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P0450N	13P	G002YR24HR	12.53	55.40	0.00	-0.0005	14350	12.49	64.11	12.53	64.03
13P0450N	13P	G010YR24HR	12.49	55.72	0.00	-0.0005	16845	12.47	115.02	12.49	114.97
13P0450N	13P	G025YR24HR	12.42	55.85	0.00	-0.0005	17245	12.41	155.56	12.42	155.47
13P0450N	13P	G100YR24HR	12.35	56.09	0.00	-0.0005	18511	12.34	231.49	12.35	231.31
13P0500P	13P	G002YR24HR	12.52	60.52	65.25	0.0002	88928	12.08	78.87	12.52	62.11
13P0500P	13P	G010YR24HR	12.48	61.13	65.25	0.0002	124443	12.17	141.74	12.48	111.29
13P0500P	13P	G025YR24HR	12.42	61.44	65.25	0.0002	139779	12.08	196.19	12.42	150.05
13P0500P	13P	G100YR24HR	12.35	61.83	65.25	0.0002	160682	12.08	274.38	12.35	222.55
13P0501N	GEE	G002YR24HR	13.49	71.14	0.00	0.0002	21692	12.08	9.47	13.49	1.10
13P0501N	GEE	G010YR24HR	12.31	71.30	0.00	0.0002	24182	12.08	16.04	12.31	11.76
13P0501N	GEE	G025YR24HR	12.17	71.37	0.00	0.0002	25340	12.08	20.66	12.17	18.70
13P0501N	GEE	G100YR24HR	12.12	71.45	0.00	0.0001	26597	12.08	28.72	12.12	27.36
13P0800N	13P	G002YR24HR	12.47	65.03	69.18	0.0002	1177	12.45	34.63	12.47	34.63
13P0800N	13P	G010YR24HR	12.42	65.51	69.18	0.0002	1321	12.42	49.83	12.42	49.82
13P0800N	13P	G025YR24HR	12.41	65.78	69.18	0.0002	1398	12.39	58.91	12.39	58.90
13P0800N	13P	G100YR24HR	12.36	66.28	69.18	0.0003	1503	12.34	75.28	12.36	75.23
13P0900N	13P	G002YR24HR	12.50	68.10	70.15	0.0002	1044	12.50	33.81	12.50	33.80
13P0900N	13P	G010YR24HR	12.42	68.24	70.15	0.0001	1136	12.42	48.27	12.42	48.26
13P0900N	13P	G025YR24HR	12.42	68.35	70.15	0.0001	1198	12.42	56.88	12.42	56.87
13P0900N	13P	G100YR24HR	12.42	68.56	70.15	0.0001	1441	12.42	72.17	12.42	72.17
13P0950N	13P	G002YR24HR	12.68	70.02	0.00	0.0002	12497	12.31	23.84	12.68	20.41
13P0950N	13P	G010YR24HR	13.08	71.69	0.00	0.0003	19949	12.33	36.93	13.16	27.88
13P0950N	13P	G025YR24HR	13.26	72.86	0.00	0.0004	19940	12.18	46.17	13.72	31.56
13P0950N	13P	G100YR24HR	14.21	74.43	0.00	0.0004	19940	12.15	56.18	15.32	36.45
13P1000N	13P	G002YR24HR	12.60	70.26	71.25	0.0001	9898	12.25	25.59	12.31	23.84
13P1000N	13P	G010YR24HR	13.07	71.70	71.25	0.0002	26310	12.41	48.23	12.33	36.93
13P1000N	13P	G025YR24HR	13.26	72.86	71.25	0.0003	31686	12.33	69.42	12.18	46.17
13P1000N	13P	G100YR24HR	14.21	74.43	71.25	0.0004	59021	12.21	96.83	12.15	56.18
13P1200N	13P	G002YR24HR	12.49	72.09	74.95	0.0001	8456	12.28	9.19	12.49	8.71
13P1200N	13P	G010YR24HR	12.55	72.86	74.95	0.0002	10801	12.39	25.08	12.55	22.95
13P1200N	13P	G025YR24HR	12.45	73.36	74.95	0.0003	12402	12.24	36.62	12.45	33.51
13P1200N	13P	G100YR24HR	14.17	75.16	74.95	0.0003	38270	12.20	51.55	12.21	42.05
13P1250N	GEE	G002YR24HR	14.86	74.63	0.00	0.0002	24272	12.08	8.86	14.86	0.59
13P1250N	GEE	G010YR24HR	12.40	74.77	0.00	0.0002	26836	12.08	14.93	12.40	9.18
13P1250N	GEE	G025YR24HR	12.22	74.85	0.00	0.0002	28191	12.08	19.19	12.22	15.93
13P1250N	GEE	G100YR24HR	14.18	75.16	0.00	0.0001	35740	12.08	26.64	12.13	25.03
13P1300N	13P	G002YR24HR	12.28	73.67	77.05	0.0004	1189	12.24	9.20	12.28	9.19
13P1300N	13P	G010YR24HR	12.42	74.08	77.05	0.0004	2091	12.32	16.15	12.28	16.10
13P1300N	13P	G025YR24HR	12.42	74.41	77.05	0.0004	4475	12.31	21.60	12.38	21.19
13P1300N	13P	G100YR24HR	13.89	75.45	77.05	0.0004	17184	12.33	31.88	13.54	29.86
13P1400N	13P	G002YR24HR	12.52	74.83	78.15	0.0004	2799	12.39	7.11	12.45	7.02
13P1400N	13P	G010YR24HR	12.44	75.14	78.15	0.0004	2969	12.38	12.71	12.44	12.65
13P1400N	13P	G025YR24HR	12.47	75.36	78.15	0.0004	3073	12.41	17.18	12.46	17.13
13P1400N	13P	G100YR24HR	13.57	75.92	78.15	0.0004	3347	13.42	29.90	13.44	29.83
13P1600N	13P	G002YR24HR	12.39	75.64	79.28	0.0003	2786	12.35	7.14	12.39	7.11
13P1600N	13P	G010YR24HR	12.39	75.94	79.28	0.0003	2878	12.35	12.76	12.38	12.71

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P1600N	13P	G025YR24HR	12.42	76.15	79.28	0.0003	2935	12.37	17.23	12.41	17.18
13P1600N	13P	G100YR24HR	13.45	76.70	79.28	0.0003	3069	13.38	29.94	13.42	29.90
13P1650N	13P	G002YR24HR	12.36	75.91	79.65	-0.0005	2143	12.33	7.17	12.35	7.14
13P1650N	13P	G010YR24HR	12.36	76.28	79.65	-0.0005	2603	12.32	12.83	12.35	12.76
13P1650N	13P	G025YR24HR	12.39	76.52	79.65	-0.0005	2897	12.33	17.33	12.37	17.23
13P1650N	13P	G100YR24HR	13.41	77.12	79.65	-0.0005	3585	13.35	29.99	13.38	29.94
13P1700N	13P	G002YR24HR	12.68	76.32	80.35	-0.0001	2787	12.64	4.71	12.70	4.71
13P1700N	13P	G010YR24HR	12.62	76.65	80.35	0.0001	2907	12.69	8.56	12.73	8.61
13P1700N	13P	G025YR24HR	12.74	76.93	80.35	0.0001	3004	12.88	12.84	12.91	12.88
13P1700N	13P	G100YR24HR	13.39	77.71	80.35	0.0002	3274	13.34	28.45	13.38	28.42
13P1800P	13P	G002YR24HR	12.64	76.95	85.95	0.0000	100732	12.08	19.61	12.64	10.22
13P1800P	13P	G010YR24HR	12.67	77.19	85.95	0.0001	101826	12.09	35.51	12.68	20.68
13P1800P	13P	G025YR24HR	12.84	77.46	85.95	0.0001	103073	12.09	51.33	12.85	34.22
13P1800P	13P	G100YR24HR	13.36	78.28	85.95	0.0001	110508	12.10	84.44	13.76	68.06
13P1810P	13P	G002YR24HR	18.62	84.25	87.00	0.0001	55407	12.08	21.87	12.09	1.28
13P1810P	13P	G010YR24HR	13.01	84.79	87.00	0.0002	59366	12.08	36.39	12.98	6.54
13P1810P	13P	G025YR24HR	12.85	85.22	87.00	0.0002	63016	12.08	46.57	12.83	11.12
13P1810P	13P	G100YR24HR	12.81	85.99	87.00	0.0002	70974	12.08	64.36	12.69	16.62
13P1811N	13P	G002YR24HR	18.62	84.25	87.00	0.0001	2179	12.09	1.28	18.62	0.81
13P1811N	13P	G010YR24HR	13.02	84.68	87.00	0.0002	2179	12.98	6.54	13.02	6.53
13P1811N	13P	G025YR24HR	12.88	84.90	87.00	0.0002	2179	12.83	11.12	12.86	11.11
13P1811N	13P	G100YR24HR	12.89	85.27	87.00	0.0001	2179	12.69	16.62	12.78	16.51
13P1812N	13P	G002YR24HR	18.71	82.17	87.00	0.0000	2380	18.62	0.81	18.71	0.81
13P1812N	13P	G010YR24HR	13.12	83.07	87.00	0.0002	2411	13.02	6.53	13.12	6.50
13P1812N	13P	G025YR24HR	13.04	83.79	87.00	0.0003	2248	12.86	11.11	13.04	10.96
13P1812N	13P	G100YR24HR	12.93	84.81	87.00	0.0003	2242	12.78	16.51	12.93	16.43
13P1813N	13P	G002YR24HR	18.74	81.26	86.00	0.0000	962	18.71	0.81	18.74	0.81
13P1813N	13P	G010YR24HR	13.15	81.53	86.00	0.0001	3234	13.12	6.50	13.15	6.50
13P1813N	13P	G025YR24HR	13.06	81.66	86.00	0.0001	3252	13.04	10.96	13.06	10.95
13P1813N	13P	G100YR24HR	12.95	81.79	86.00	0.0001	3309	12.93	16.43	12.95	16.43
13P1814N	13P	G002YR24HR	16.43	78.57	87.50	0.0004	3602	16.43	35.61	16.43	35.61
13P1814N	13P	G010YR24HR	15.59	78.72	87.50	0.0004	5800	15.58	58.15	15.59	58.15
13P1814N	13P	G025YR24HR	14.02	78.78	87.50	0.0004	5889	14.00	72.87	14.02	72.87
13P1814N	13P	G100YR24HR	13.19	78.93	87.50	0.0004	6004	14.23	102.89	14.22	102.94
13P1815N	13P	G002YR24HR	16.49	76.92	83.79	0.0005	5961	16.43	35.61	16.41	35.60
13P1815N	13P	G010YR24HR	15.61	77.21	83.79	0.0005	6003	15.59	44.48	15.55	44.48
13P1815N	13P	G025YR24HR	14.06	77.34	83.79	0.0005	6010	14.01	48.90	14.06	48.90
13P1815N	13P	G100YR24HR	13.07	78.28	83.79	0.0005	5497	14.42	56.35	14.32	56.87
13P1820N	13P	G002YR24HR	16.35	81.62	89.60	0.0022	1684	16.30	34.38	16.31	34.38
13P1820N	13P	G010YR24HR	17.66	82.46	89.60	0.0022	1660	17.58	54.90	17.62	54.90
13P1820N	13P	G025YR24HR	16.18	82.86	89.60	0.0022	1460	16.23	65.05	16.18	65.05
13P1820N	13P	G100YR24HR	15.03	83.79	89.60	0.0022	606	15.12	88.21	15.03	88.21
13P1822N	13P	G002YR24HR	21.48	82.41	91.00	0.0005	1155	21.05	1.99	21.40	1.96
13P1822N	13P	G010YR24HR	17.67	82.63	91.00	0.0005	1192	16.87	2.96	17.31	2.96
13P1822N	13P	G025YR24HR	16.27	82.97	91.00	0.0006	1179	17.04	3.76	17.30	3.77
13P1822N	13P	G100YR24HR	15.12	83.91	91.00	0.0007	576	18.14	4.04	18.13	4.42

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P1824N	13P	G002YR24HR	21.05	83.31	88.00	0.0011	874	20.81	1.97	21.05	1.99
13P1824N	13P	G010YR24HR	16.87	83.47	88.00	0.0011	901	17.03	2.96	16.87	2.96
13P1824N	13P	G025YR24HR	17.04	83.59	88.00	0.0011	909	16.98	3.76	17.04	3.76
13P1824N	13P	G100YR24HR	15.13	84.07	88.00	0.0011	765	12.86	3.92	18.14	4.04
13P2010N	13P	G002YR24HR	16.32	84.28	90.05	-0.0059	561	12.48	9.42	13.02	21.40
13P2010N	13P	G010YR24HR	17.63	85.00	90.05	-0.0047	516	12.46	15.42	12.19	24.13
13P2010N	13P	G025YR24HR	16.11	85.37	90.05	-0.0051	515	12.46	19.51	11.99	23.03
13P2010N	13P	G100YR24HR	15.02	86.29	90.05	-0.0062	455	12.47	26.43	12.48	26.23
13P2050N	13P	G002YR24HR	12.49	85.44	90.05	0.0001	10213	12.17	10.98	12.48	9.42
13P2050N	13P	G010YR24HR	12.47	85.94	90.05	0.0001	11769	12.25	18.08	12.46	15.42
13P2050N	13P	G025YR24HR	12.46	86.25	90.05	0.0002	12754	12.22	22.97	12.46	19.51
13P2050N	13P	G100YR24HR	12.47	86.79	90.05	0.0002	14375	12.17	31.61	12.47	26.43
13P2200N	13P	G002YR24HR	12.49	85.44	87.35	0.0002	2223	0.00	0.00	12.93	0.38
13P2200N	13P	G010YR24HR	12.47	85.94	87.35	0.0003	2224	0.00	0.00	12.92	0.57
13P2200N	13P	G025YR24HR	12.46	86.25	87.35	0.0003	2217	0.00	0.00	12.92	0.70
13P2200N	13P	G100YR24HR	12.47	86.79	87.35	0.0003	2180	72.00	0.23	13.00	0.90
13P2300P	13P	G002YR24HR	15.19	89.47	92.00	0.0001	40426	12.08	20.12	12.08	4.56
13P2300P	13P	G010YR24HR	13.39	90.42	92.00	0.0002	48615	12.08	33.04	14.30	3.95
13P2300P	13P	G025YR24HR	13.39	91.09	92.00	0.0002	55010	12.08	42.08	14.91	5.16
13P2300P	13P	G100YR24HR	13.61	92.16	92.00	0.0003	66819	12.08	57.91	16.27	6.32
13P2350N	13P	G002YR24HR	15.16	89.43	91.94	0.0015	2181	12.08	4.56	12.10	2.95
13P2350N	13P	G010YR24HR	13.09	90.11	91.94	0.0015	2181	14.30	3.95	14.29	4.02
13P2350N	13P	G025YR24HR	13.01	90.61	91.94	0.0015	2181	14.91	5.16	14.86	5.27
13P2350N	13P	G100YR24HR	13.06	91.45	91.94	0.0015	2181	16.27	6.32	16.27	6.45
13P2400P	13P	G002YR24HR	15.15	89.43	92.30	-0.0100	53534	12.08	27.10	15.12	2.66
13P2400P	13P	G010YR24HR	13.07	90.09	92.30	-0.0100	63776	12.08	39.88	13.06	9.96
13P2400P	13P	G025YR24HR	12.99	90.58	92.30	-0.0100	71333	12.08	50.95	13.04	13.63
13P2400P	13P	G100YR24HR	13.04	91.41	92.30	-0.0100	84093	12.08	70.81	12.88	17.04
13P2410N	13P	G002YR24HR	15.16	89.41	93.17	-0.0051	2181	15.12	2.66	15.16	2.66
13P2410N	13P	G010YR24HR	13.09	89.76	93.17	-0.0051	2181	13.06	9.96	13.08	9.96
13P2410N	13P	G025YR24HR	12.98	89.97	93.17	-0.0051	2181	13.04	13.63	13.04	13.65
13P2410N	13P	G100YR24HR	13.49	90.50	93.17	-0.0051	2181	12.88	17.04	12.92	16.96
13P2420N	13P	G002YR24HR	15.28	88.17	93.17	0.0000	2741	15.16	2.66	15.28	2.66
13P2420N	13P	G010YR24HR	13.18	89.08	93.17	0.0002	2647	13.08	9.96	13.16	9.94
13P2420N	13P	G025YR24HR	12.95	89.51	93.17	0.0003	2337	13.04	13.65	13.02	13.74
13P2420N	13P	G100YR24HR	13.52	90.33	93.17	0.0002	2208	12.92	16.96	12.97	16.85
13P2620N	13P	G002YR24HR	72.00	85.88	89.95	0.0026	911	12.34	36.68	12.35	36.56
13P2620N	13P	G010YR24HR	72.00	86.74	89.95	0.0026	489	12.09	41.80	12.09	41.58
13P2620N	13P	G025YR24HR	72.00	87.31	89.95	0.0026	489	11.99	43.85	12.01	43.51
13P2620N	13P	G100YR24HR	24.57	88.27	89.95	0.0026	489	11.90	42.56	11.89	42.29
13P2640N	13P	G002YR24HR	12.37	87.62	89.95	0.0009	510	12.30	36.74	12.34	36.68
13P2640N	13P	G010YR24HR	12.10	88.76	89.95	0.0009	482	12.08	42.35	12.09	41.80
13P2640N	13P	G025YR24HR	12.08	89.65	89.95	0.0011	482	11.99	45.58	11.99	43.85
13P2640N	13P	G100YR24HR	15.59	90.02	89.95	0.0011	482	11.85	44.24	11.90	42.56
13P2643N	13P	G002YR24HR	12.10	89.61	91.95	0.0035	493	12.00	24.73	12.10	24.33
13P2643N	13P	G010YR24HR	12.09	90.83	91.95	0.0032	493	12.08	27.63	12.08	27.60
13P2643N	13P	G025YR24HR	12.08	90.89	91.95	0.0025	493	12.08	31.90	12.08	31.89

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P2643N	13P	G100YR24HR	12.08	90.92	91.95	0.0014	493	12.08	39.48	12.08	39.47
13P2644N	13P	G002YR24HR	12.09	92.63	92.95	0.0018	468	11.99	19.13	12.00	15.90
13P2644N	13P	G010YR24HR	12.08	92.82	92.95	0.0020	468	11.83	19.49	11.83	15.79
13P2644N	13P	G025YR24HR	13.63	92.92	92.95	0.0024	468	11.75	20.03	14.33	15.78
13P2644N	13P	G100YR24HR	12.53	93.17	92.95	0.0028	468	11.67	20.57	11.68	15.37
13P2646N	13P	G002YR24HR	12.09	92.61	92.95	0.0034	439	0.00	0.00	12.68	1.64
13P2646N	13P	G010YR24HR	12.08	92.80	92.95	0.0039	439	13.69	9.14	13.70	9.14
13P2646N	13P	G025YR24HR	13.66	92.92	92.95	0.0046	439	18.00	13.84	18.00	13.85
13P2646N	13P	G100YR24HR	12.55	93.16	92.95	0.0055	439	23.84	11.49	23.84	11.50
13P2660P	13P	G002YR24HR	12.79	87.74	88.95	0.0008	210609	12.08	45.11	13.42	17.71
13P2660P	13P	G010YR24HR	14.73	88.42	88.95	0.0007	354392	12.08	82.94	18.00	14.36
13P2660P	13P	G025YR24HR	16.90	89.05	88.95	0.0006	481440	12.08	110.20	25.00	14.89
13P2660P	13P	G100YR24HR	15.62	90.05	88.95	0.0002	686589	12.48	231.80	25.33	21.29
13P2661P	13P	G002YR24HR	23.77	89.63	89.05	0.0001	234818	12.08	21.16	23.77	0.86
13P2661P	13P	G010YR24HR	13.26	89.79	89.05	0.0001	273760	12.08	55.65	13.26	9.20
13P2661P	13P	G025YR24HR	12.80	89.95	89.05	0.0001	311382	12.08	83.27	12.80	25.93
13P2661P	13P	G100YR24HR	12.48	90.14	89.05	0.0001	357856	12.08	135.05	12.48	75.82
13P3100P	GEE	G002YR24HR	0.00	0.00	0.00	0.0000	9	12.07	12.76	0.00	0.00
13P3100P	GEE	G010YR24HR	0.00	0.00	0.00	0.0000	9	12.06	17.18	0.00	0.00
13P3100P	GEE	G025YR24HR	0.00	0.00	0.00	0.0000	9	12.07	20.89	0.00	0.00
13P3100P	GEE	G100YR24HR	0.00	0.00	0.00	0.0000	9	12.09	27.47	0.00	0.00
13P3120N	GEE	G002YR24HR	12.07	91.64	94.44	0.0005	168	12.02	12.82	12.05	12.77
13P3120N	GEE	G010YR24HR	12.06	92.83	94.44	0.0006	143	12.04	17.22	12.05	17.19
13P3120N	GEE	G025YR24HR	12.07	93.85	94.44	0.0007	143	12.05	20.93	12.06	20.89
13P3120N	GEE	G100YR24HR	12.09	96.12	94.44	0.0012	143	12.06	27.55	12.08	27.49
13P3150N	GEE	G002YR24HR	12.07	91.39	93.61	0.0004	268	12.05	12.77	12.07	12.76
13P3150N	GEE	G010YR24HR	12.06	92.17	93.61	0.0005	174	12.05	17.19	12.06	17.18
13P3150N	GEE	G025YR24HR	12.07	92.88	93.61	0.0006	170	12.06	20.89	12.07	20.89
13P3150N	GEE	G100YR24HR	12.09	94.43	93.61	0.0008	161	12.08	27.49	12.09	27.47
13P3250N	GEE	G002YR24HR	12.06	91.72	94.12	-0.0009	145	12.00	12.94	12.02	12.82
13P3250N	GEE	G010YR24HR	12.06	93.08	94.12	-0.0009	146	12.00	17.31	12.04	17.22
13P3250N	GEE	G025YR24HR	12.07	94.22	94.12	-0.0008	146	12.02	21.04	12.05	20.93
13P3250N	GEE	G100YR24HR	12.08	96.75	94.12	0.0013	146	12.00	27.74	12.06	27.55
13P3300N	GEE	G002YR24HR	12.06	91.79	94.91	-0.0036	157	12.00	13.10	12.00	12.94
13P3300N	GEE	G010YR24HR	12.06	93.20	94.91	-0.0036	157	12.00	17.58	12.00	17.31
13P3300N	GEE	G025YR24HR	12.07	94.41	94.91	-0.0036	157	12.00	21.44	12.02	21.04
13P3300N	GEE	G100YR24HR	12.08	97.08	94.91	-0.0036	157	12.00	28.46	12.00	27.74
13P3350N	GEE	G002YR24HR	12.06	91.83	93.16	0.0038	154	12.00	13.26	12.00	13.10
13P3350N	GEE	G010YR24HR	12.05	93.28	93.16	0.0037	154	12.00	17.86	12.00	17.58
13P3350N	GEE	G025YR24HR	12.06	94.52	93.16	0.0027	154	12.00	21.86	12.00	21.44
13P3350N	GEE	G100YR24HR	12.08	97.27	93.16	0.0027	154	12.00	29.22	12.00	28.46
13P3400P	GEE	G002YR24HR	12.06	91.85	94.00	0.0044	129	12.00	42.11	12.00	41.98
13P3400P	GEE	G010YR24HR	12.05	93.32	94.00	0.0035	129	12.00	66.71	12.00	66.48
13P3400P	GEE	G025YR24HR	12.06	94.58	94.00	0.0018	129	12.00	83.99	12.00	83.64
13P3400P	GEE	G100YR24HR	12.08	97.37	94.00	0.0018	129	12.00	114.35	12.00	113.72
13P3450N	GEE	G002YR24HR	12.07	91.72	90.98	0.0005	2620	12.00	28.73	12.06	27.72

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P3450N	GEE	G010YR24HR	12.06	92.94	90.98	0.0006	2339	12.00	48.66	12.06	47.03
13P3450N	GEE	G025YR24HR	12.08	93.98	90.98	0.0007	2335	12.00	61.83	12.08	59.25
13P3450N	GEE	G100YR24HR	12.09	96.27	90.98	0.0012	2318	12.00	84.59	12.09	79.91
13P3500N	GEE	G002YR24HR	72.00	85.88	90.56	0.0061	742	12.06	27.72	12.08	27.69
13P3500N	GEE	G010YR24HR	72.00	86.74	90.56	0.0061	437	12.06	47.03	12.07	47.01
13P3500N	GEE	G025YR24HR	72.00	87.31	90.56	0.0061	171	12.08	59.25	12.08	59.23
13P3500N	GEE	G100YR24HR	72.00	88.19	90.56	0.0061	171	12.09	79.91	12.09	79.88
13Q0500N	13Q	G002YR24HR	25.50	84.52	88.65	0.0000	70775	12.08	7.33	0.00	0.00
13Q0500N	13Q	G010YR24HR	25.50	84.91	88.65	0.0000	78740	12.08	12.36	0.00	0.00
13Q0500N	13Q	G025YR24HR	25.50	86.47	88.65	0.0002	110605	12.74	56.79	0.00	0.00
13Q0500N	13Q	G100YR24HR	13.66	88.89	88.65	0.0004	160233	12.48	179.12	13.66	25.94
13Q0820P	13Q	G002YR24HR	12.94	88.19	89.05	0.0002	73227	12.45	60.11	12.92	53.03
13Q0820P	13Q	G010YR24HR	13.14	89.55	89.05	0.0002	84723	12.57	126.25	12.80	91.83
13Q0820P	13Q	G025YR24HR	12.75	89.97	89.05	0.0003	88219	12.64	171.08	12.72	165.56
13Q0820P	13Q	G100YR24HR	12.50	90.22	89.05	0.0004	90370	12.42	298.22	12.48	293.50
13Q0821N	13Q	G002YR24HR	14.05	87.39	87.00	0.0008	3695	13.55	42.55	13.55	42.45
13Q0821N	13Q	G010YR24HR	14.17	88.60	87.00	0.0006	4475	12.57	51.88	12.57	50.70
13Q0821N	13Q	G025YR24HR	14.29	89.17	87.00	0.0002	4846	12.31	55.81	12.31	54.27
13Q0821N	13Q	G100YR24HR	14.07	89.70	87.00	0.0002	5186	11.90	53.57	11.90	52.63
13Q0822N	13Q	G002YR24HR	14.07	85.68	89.85	0.0004	726	14.04	11.13	14.07	11.13
13Q0822N	13Q	G010YR24HR	13.87	85.99	89.85	0.0002	597	14.25	13.79	14.27	13.80
13Q0822N	13Q	G025YR24HR	14.56	86.14	89.85	0.0001	576	14.21	14.86	14.24	14.85
13Q0822N	13Q	G100YR24HR	13.66	88.88	89.85	0.0027	488	12.61	14.06	12.61	13.91
13Q0840P	13Q	G002YR24HR	14.07	87.39	0.00	0.0001	120421	12.08	7.74	14.89	7.44
13Q0840P	13Q	G010YR24HR	14.17	88.60	0.00	0.0001	144072	12.08	12.07	19.47	13.87
13Q0840P	13Q	G025YR24HR	14.30	89.17	0.00	0.0002	155329	12.08	15.12	22.21	13.71
13Q0840P	13Q	G100YR24HR	14.08	89.70	0.00	0.0002	165671	12.08	20.51	26.55	16.63
13Q0860P	13Q	G002YR24HR	12.97	87.92	0.00	0.0000	188891	12.17	10.68	12.97	2.46
13Q0860P	13Q	G010YR24HR	12.82	88.04	0.00	0.0000	195763	12.08	23.48	12.33	8.08
13Q0860P	13Q	G025YR24HR	12.79	88.15	0.00	0.0000	201818	12.08	31.73	12.12	9.28
13Q0860P	13Q	G100YR24HR	22.67	88.34	0.00	0.0001	213078	12.08	44.82	11.87	7.53
13Q0861N	13Q	G002YR24HR	14.03	87.53	89.01	0.0002	2197	12.97	2.46	13.12	2.44
13Q0861N	13Q	G010YR24HR	13.21	88.04	89.01	0.0003	2197	12.33	8.08	12.36	5.46
13Q0861N	13Q	G025YR24HR	12.80	88.15	89.01	0.0004	2197	12.12	9.28	12.17	5.78
13Q0861N	13Q	G100YR24HR	22.62	88.34	89.01	0.0006	2197	11.87	7.53	27.37	4.96
13Q0865N	13Q	G002YR24HR	14.09	87.37	89.00	0.0002	2203	13.12	2.44	15.29	3.73
13Q0865N	13Q	G010YR24HR	15.42	88.37	89.00	0.0005	2203	12.36	5.46	20.13	4.51
13Q0865N	13Q	G025YR24HR	15.94	88.84	89.00	0.0006	2203	20.03	6.23	20.08	6.36
13Q0865N	13Q	G100YR24HR	16.81	89.40	89.00	0.0005	2203	25.38	7.48	25.43	7.59
13Q0870P	13Q	G002YR24HR	14.91	87.38	88.00	0.0001	119298	12.08	31.24	15.98	5.50
13Q0870P	13Q	G010YR24HR	15.45	88.38	88.00	0.0001	211824	12.08	51.66	20.54	9.89
13Q0870P	13Q	G025YR24HR	15.97	88.85	88.00	0.0001	261023	12.08	65.99	19.59	12.51
13Q0870P	13Q	G100YR24HR	16.84	89.40	88.00	0.0001	319285	12.08	91.06	22.18	13.26
13Q0875N	13Q	G002YR24HR	14.09	87.35	90.00	0.0002	2485	15.29	7.91	15.40	8.32
13Q0875N	13Q	G010YR24HR	14.47	88.44	90.00	0.0005	2220	20.13	12.45	20.14	12.93
13Q0875N	13Q	G025YR24HR	14.64	88.96	90.00	0.0006	2220	22.92	12.59	22.93	13.01
13Q0875N	13Q	G100YR24HR	14.24	89.53	90.00	0.0005	2220	27.26	15.06	27.28	15.35

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q0880N	13Q	G002YR24HR	14.07	87.35	89.00	0.0002	2327	13.43	30.73	13.43	29.15
13Q0880N	13Q	G010YR24HR	14.17	88.58	89.00	0.0005	2259	12.56	38.06	14.03	32.58
13Q0880N	13Q	G025YR24HR	14.30	89.16	89.00	0.0007	2259	12.31	40.37	13.59	33.68
13Q0880N	13Q	G100YR24HR	14.08	89.69	89.00	0.0005	2259	11.90	37.86	11.89	32.44
13Q0885N	13Q	G002YR24HR	14.48	86.15	89.00	0.0003	2267	13.43	29.15	13.65	28.36
13Q0885N	13Q	G010YR24HR	14.33	86.65	89.00	0.0006	2231	14.03	32.58	14.10	32.54
13Q0885N	13Q	G025YR24HR	14.67	87.14	89.00	0.0006	2231	13.59	33.68	13.86	33.48
13Q0885N	13Q	G100YR24HR	14.61	87.96	89.00	0.0005	2231	11.89	32.44	13.43	31.32
13Q0890N	13Q	G002YR24HR	14.49	85.83	89.82	0.0002	2296	13.65	28.36	14.48	28.25
13Q0890N	13Q	G010YR24HR	14.41	86.23	89.82	0.0003	2270	14.10	32.54	14.16	32.51
13Q0890N	13Q	G025YR24HR	14.80	86.70	89.82	0.0003	2212	13.86	33.48	14.00	33.34
13Q0890N	13Q	G100YR24HR	14.71	87.60	89.82	0.0003	2212	13.43	31.32	13.50	31.06
13Q0895N	13Q	G002YR24HR	14.52	85.06	87.11	0.0111	2456	14.48	28.25	14.50	28.25
13Q0895N	13Q	G010YR24HR	16.29	85.30	87.11	0.0111	2366	14.16	32.51	14.18	32.47
13Q0895N	13Q	G025YR24HR	15.68	85.58	87.11	0.0111	2205	14.00	33.34	14.04	33.28
13Q0895N	13Q	G100YR24HR	14.99	86.44	87.11	0.0111	2205	13.50	31.06	12.76	31.86
13Q0896N	13Q	G002YR24HR	14.52	85.01	87.11	-0.0112	2178	14.50	28.25	14.51	28.25
13Q0896N	13Q	G010YR24HR	16.51	85.25	87.11	-0.0112	2178	14.18	32.47	14.20	32.44
13Q0896N	13Q	G025YR24HR	15.82	85.52	87.11	-0.0112	2178	14.04	33.28	14.07	33.23
13Q0896N	13Q	G100YR24HR	15.01	86.38	87.11	-0.0112	2178	12.76	31.86	12.76	37.33
13Q0924P	13Q	G002YR24HR	13.14	88.70	88.95	0.0002	47247	12.42	38.05	13.04	24.69
13Q0924P	13Q	G010YR24HR	13.13	89.61	88.95	0.0002	52970	12.42	66.06	12.63	51.26
13Q0924P	13Q	G025YR24HR	12.76	90.04	88.95	0.0002	55726	12.42	85.89	12.73	74.44
13Q0924P	13Q	G100YR24HR	12.51	90.34	88.95	0.0003	57593	12.42	120.64	12.55	118.88
13Q0940P	13Q	G002YR24HR	13.25	88.46	88.95	0.0002	42914	12.99	26.63	13.37	25.12
13Q0940P	13Q	G010YR24HR	13.13	89.59	88.95	0.0002	49816	12.62	58.14	12.64	47.79
13Q0940P	13Q	G025YR24HR	12.76	90.01	88.95	0.0003	52444	12.69	81.81	12.77	80.87
13Q0940P	13Q	G100YR24HR	12.51	90.30	88.95	0.0003	54175	12.50	133.83	12.56	134.82
13Q2290P	13Q	G002YR24HR	24.84	80.83	85.95	0.0001	55618	12.50	11.87	18.68	0.36
13Q2290P	13Q	G010YR24HR	17.84	83.28	85.95	0.0002	65811	12.50	26.95	19.95	5.41
13Q2290P	13Q	G025YR24HR	20.44	85.48	85.95	0.0002	77309	12.50	38.56	24.90	6.76
13Q2290P	13Q	G100YR24HR	22.70	88.33	85.95	0.0004	100956	12.42	60.10	29.28	8.07
13Q2291N	13Q	G002YR24HR	24.84	80.83	0.00	0.0002	2183	12.77	1.86	24.84	0.35
13Q2291N	13Q	G010YR24HR	17.87	83.11	0.00	0.0003	2183	17.14	6.33	17.85	6.30
13Q2291N	13Q	G025YR24HR	20.48	85.24	0.00	0.0002	2183	18.94	7.38	20.44	7.36
13Q2291N	13Q	G100YR24HR	22.74	88.01	0.00	0.0004	2183	12.82	9.40	22.71	8.60
13Q2292N	13Q	G002YR24HR	25.19	77.01	0.00	0.0000	2300	24.84	0.35	24.69	0.35
13Q2292N	13Q	G010YR24HR	17.93	78.23	0.00	0.0000	2216	17.85	6.30	17.93	6.30
13Q2292N	13Q	G025YR24HR	20.78	78.44	0.00	0.0002	2218	20.44	7.36	20.55	7.36
13Q2292N	13Q	G100YR24HR	22.79	78.81	0.00	0.0003	2204	22.71	8.60	23.15	8.60
13Q2293N	13Q	G002YR24HR	16.54	76.06	0.00	0.0000	2607	24.69	0.35	24.53	0.36
13Q2293N	13Q	G010YR24HR	17.78	76.84	0.00	0.0003	2578	17.93	6.30	17.99	6.30
13Q2293N	13Q	G025YR24HR	20.18	77.02	0.00	0.0003	2546	20.55	7.36	20.54	7.36
13Q2293N	13Q	G100YR24HR	20.06	77.30	0.00	0.0003	2392	23.15	8.60	24.58	8.61
13Q2294N	13Q	G002YR24HR	16.45	76.05	0.00	0.0006	2298	24.53	0.36	24.51	0.38
13Q2294N	13Q	G010YR24HR	17.65	76.43	0.00	0.0010	2293	17.99	6.30	18.00	6.31

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q2294N	13Q	G025YR24HR	19.81	76.52	0.00	0.0011	2280	20.54	7.36	20.48	7.37
13Q2294N	13Q	G100YR24HR	12.20	76.79	0.00	0.0005	2296	24.58	8.61	24.54	8.63
13Q2295N	13Q	G002YR24HR	16.42	76.05	0.00	0.0010	2180	24.51	0.38	24.50	0.39
13Q2295N	13Q	G010YR24HR	17.63	76.36	0.00	0.0007	2180	18.00	6.31	18.00	6.31
13Q2295N	13Q	G025YR24HR	12.41	76.50	0.00	0.0005	2180	20.48	7.37	20.44	7.37
13Q2295N	13Q	G100YR24HR	12.19	76.78	0.00	0.0004	2180	24.54	8.63	24.53	8.65
13Q2296N	13Q	G002YR24HR	16.41	76.05	0.00	0.0006	2183	24.50	0.39	24.50	0.41
13Q2296N	13Q	G010YR24HR	12.51	76.32	0.00	0.0005	2183	18.00	6.31	17.93	6.31
13Q2296N	13Q	G025YR24HR	12.34	76.51	0.00	0.0004	2183	20.44	7.37	20.40	7.37
13Q2296N	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	2183	24.53	8.65	24.51	8.67
13Q2300P	13Q	G002YR24HR	16.41	76.05	0.00	0.0002	24377	12.00	19.24	16.41	1.44
13Q2300P	13Q	G010YR24HR	12.49	76.33	0.00	0.0003	26616	12.03	30.60	12.49	17.09
13Q2300P	13Q	G025YR24HR	12.29	76.52	0.00	0.0004	28185	12.08	37.05	12.29	33.49
13Q2300P	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	30293	12.08	64.70	12.18	60.63
CEMETERY	13F	G002YR24HR	29.00	62.88	63.55	0.0001	121444	12.67	15.17	0.00	0.00
CEMETERY	13F	G010YR24HR	17.80	63.60	63.55	0.0001	175912	12.58	33.03	17.80	3.57
CEMETERY	13F	G025YR24HR	14.62	63.69	63.55	0.0001	182747	12.58	46.62	14.62	14.82
CEMETERY	13F	G100YR24HR	13.44	63.83	63.55	0.0001	193913	12.58	71.29	13.44	41.97
CONCORD	13M	G002YR24HR	24.33	58.01	58.95	0.0007	927810	12.08	169.54	24.23	8.90
CONCORD	13M	G010YR24HR	21.22	59.15	58.95	0.0007	991570	12.08	275.15	21.03	25.83
CONCORD	13M	G025YR24HR	19.90	59.86	58.95	0.0011	1061161	12.32	370.73	19.84	37.56
CONCORD	13M	G100YR24HR	20.97	61.23	58.95	0.0014	1194717	12.17	575.49	19.20	44.47
CRYSTBWL	13N	G002YR24HR	26.00	59.55	64.95	0.0000	382244	12.17	69.63	0.00	0.00
CRYSTBWL	13N	G010YR24HR	26.00	60.44	64.95	0.0001	408785	12.17	119.61	0.00	0.00
CRYSTBWL	13N	G025YR24HR	26.00	61.05	64.95	0.0001	426368	12.17	154.79	0.00	0.00
CRYSTBWL	13N	G100YR24HR	26.00	62.08	64.95	0.0001	457097	12.17	216.29	0.00	0.00
DUCKPOND	13F	G002YR24HR	25.50	50.60	57.25	0.0001	33227	12.08	10.06	0.00	0.00
DUCKPOND	13F	G010YR24HR	25.50	52.70	57.25	0.0002	37914	12.08	23.81	0.00	0.00
DUCKPOND	13F	G025YR24HR	25.50	54.04	57.25	0.0003	46253	12.08	34.51	0.00	0.00
DUCKPOND	13F	G100YR24HR	25.50	56.07	57.25	0.0004	58872	12.08	54.18	0.00	0.00
ELLEN	13M	G002YR24HR	25.50	65.42	67.75	0.0003	237355	12.08	24.22	0.00	0.00
ELLEN	13M	G010YR24HR	25.50	65.89	67.75	0.0004	249206	12.08	45.28	0.00	0.00
ELLEN	13M	G025YR24HR	25.50	66.22	67.75	0.0005	258383	12.08	60.42	0.00	0.00
ELLEN	13M	G100YR24HR	25.50	66.80	67.75	0.0006	274457	12.08	87.06	0.00	0.00
EVERGRN	13I	G002YR24HR	13.26	60.07	63.95	0.0001	164981	12.52	129.21	13.26	110.31
EVERGRN	13I	G010YR24HR	19.91	60.63	63.95	0.0001	176837	12.67	235.41	12.87	228.21
EVERGRN	13I	G025YR24HR	20.48	61.50	63.95	0.0002	194638	12.60	340.46	12.72	334.69
EVERGRN	13I	G100YR24HR	19.34	62.86	63.95	0.0002	224572	12.60	532.71	12.66	527.99
FAIRY	13I	G002YR24HR	27.01	53.96	53.95	0.0000	2416879	12.08	306.30	27.00	44.96
FAIRY	13I	G010YR24HR	30.38	55.31	53.95	0.0001	2588113	12.08	548.25	30.37	74.19
FAIRY	13I	G025YR24HR	33.16	56.45	53.95	0.0001	2777388	12.08	715.56	33.16	91.00
FAIRY	13I	G100YR24HR	33.96	58.51	53.95	0.0001	3335886	12.08	1005.96	33.96	112.12
FERN	13I	G002YR24HR	13.69	62.67	62.45	0.0001	166517	12.08	35.29	13.69	3.89
FERN	13I	G010YR24HR	24.25	63.17	62.45	0.0001	176153	12.08	63.97	12.67	23.33
FERN	13I	G025YR24HR	17.81	63.29	62.45	0.0001	178794	12.08	84.39	12.51	41.87
FERN	13I	G100YR24HR	14.03	63.54	62.45	0.0001	184470	12.08	120.22	12.39	76.47

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
GEM	13I	G002YR24HR	25.50	71.57	73.35	0.0000	210221	12.08	23.32	0.00	0.00
GEM	13I	G010YR24HR	25.50	72.12	73.35	0.0001	225177	12.08	45.47	0.00	0.00
GEM	13I	G025YR24HR	25.50	72.50	73.35	0.0001	239974	12.08	61.61	0.00	0.00
GEM	13I	G100YR24HR	25.50	73.14	73.35	0.0001	275077	12.08	90.22	0.00	0.00
GRASSY	13P	G002YR24HR	16.32	84.28	86.95	0.0001	533464	12.17	123.43	16.30	34.38
GRASSY	13P	G010YR24HR	17.64	85.00	86.95	0.0001	558680	12.19	215.62	17.58	51.94
GRASSY	13P	G025YR24HR	16.12	85.37	86.95	0.0001	570155	12.17	271.10	16.03	61.29
GRASSY	13P	G100YR24HR	15.05	86.29	86.95	0.0002	598852	12.08	382.19	15.02	84.29
GRIFFIN	13K	G002YR24HR	18.25	75.48	75.95	0.0000	731785	12.47	57.11	18.19	18.89
GRIFFIN	13K	G010YR24HR	16.24	76.23	75.95	0.0000	846578	12.81	145.13	16.39	43.00
GRIFFIN	13K	G025YR24HR	14.76	76.51	75.95	0.0001	894796	12.58	246.27	14.76	86.85
GRIFFIN	13K	G100YR24HR	13.59	76.86	75.95	0.0001	955179	12.42	435.29	13.59	190.30
HODGE	13H	G002YR24HR	72.00	52.01	53.05	0.0000	963299	12.08	73.21	0.00	0.00
HODGE	13H	G010YR24HR	72.00	52.55	53.05	0.0000	1010226	12.08	153.30	0.00	0.00
HODGE	13H	G025YR24HR	72.00	52.94	53.05	0.0001	1044469	12.08	212.63	0.00	0.00
HODGE	13H	G100YR24HR	21.89	53.24	53.05	0.0001	1068739	12.08	319.00	21.89	13.46
IRENE-N	13H	G002YR24HR	25.50	55.87	0.00	0.0000	391708	12.08	62.62	0.00	0.00
IRENE-N	13H	G010YR24HR	27.16	56.55	0.00	0.0001	420329	12.08	103.98	0.00	0.00
IRENE-N	13H	G025YR24HR	29.47	57.02	0.00	0.0001	439781	12.08	132.84	0.00	0.00
IRENE-N	13H	G100YR24HR	25.50	57.81	0.00	0.0001	469381	12.08	182.88	0.00	0.00
IRENE-S	13H	G002YR24HR	25.50	56.60	0.00	0.0001	239022	12.08	65.86	0.00	0.00
IRENE-S	13H	G010YR24HR	25.50	57.85	0.00	0.0001	264970	12.08	123.56	0.00	0.00
IRENE-S	13H	G025YR24HR	25.50	58.72	0.00	0.0002	282268	12.08	165.54	0.00	0.00
IRENE-S	13H	G100YR24HR	25.50	60.11	0.00	0.0002	338436	12.08	240.06	0.00	0.00
JANE	13I	G002YR24HR	27.50	65.73	66.05	0.0001	97277	12.42	17.56	0.00	0.00
JANE	13I	G010YR24HR	13.94	66.46	66.05	0.0001	111413	12.72	48.49	13.94	38.15
JANE	13I	G025YR24HR	13.26	66.67	66.05	0.0002	115852	12.58	81.75	13.26	70.14
JANE	13I	G100YR24HR	12.81	67.06	66.05	0.0003	123356	12.56	158.44	12.81	144.89
JESUP	13A	G002YR24HR	0.00	8.75	0.00	0.0000	11528	15.37	587.12	0.00	0.00
JESUP	13A	G010YR24HR	0.00	8.75	0.00	0.0000	11528	15.60	1008.46	0.00	0.00
JESUP	13A	G025YR24HR	0.00	8.75	0.00	0.0000	11528	15.68	1277.22	0.00	0.00
JESUP	13A	G100YR24HR	0.00	8.75	0.00	0.0000	11528	15.89	1661.99	0.00	0.00
KATHRYN	13A	G002YR24HR	33.22	51.70	51.95	0.0000	3538380	12.33	411.73	31.32	142.78
KATHRYN	13A	G010YR24HR	30.65	52.75	51.95	0.0001	3741740	12.33	638.61	29.22	256.84
KATHRYN	13A	G025YR24HR	29.37	53.25	51.95	0.0001	3904860	12.33	796.58	28.31	339.04
KATHRYN	13A	G100YR24HR	26.18	53.95	51.95	0.0001	4171643	12.33	1080.46	25.74	482.98
LOST	13N	G002YR24HR	28.12	52.14	53.95	0.0000	829178	12.33	91.17	24.52	16.94
LOST	13N	G010YR24HR	26.22	53.32	53.95	0.0001	983643	12.38	156.92	24.22	36.71
LOST	13N	G025YR24HR	26.75	54.08	53.95	0.0001	1044291	12.28	206.06	20.88	49.93
LOST	13N	G100YR24HR	26.42	55.16	53.95	0.0001	1124004	12.25	278.66	20.35	66.94
LOTUS	13K	G002YR24HR	26.50	83.50	85.85	0.0000	190585	12.33	11.23	0.00	0.00
LOTUS	13K	G010YR24HR	26.50	84.30	85.85	0.0000	210573	12.25	33.68	0.00	0.00
LOTUS	13K	G025YR24HR	26.50	84.91	85.85	0.0001	231525	12.25	52.82	0.00	0.00
LOTUS	13K	G100YR24HR	26.50	85.90	85.85	0.0001	296083	12.25	89.63	0.00	0.00
LPRAIRIE	13P	G002YR24HR	25.50	92.42	91.95	0.0001	398497	12.08	52.64	0.00	0.00
LPRAIRIE	13P	G010YR24HR	13.69	92.62	91.95	0.0001	442871	12.08	91.65	13.69	9.14
LPRAIRIE	13P	G025YR24HR	13.73	92.94	91.95	0.0001	510829	12.08	119.16	18.00	13.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
LPRAIRIE	13P	G100YR24HR	12.59	93.14	91.95	0.0001	554696	12.08	167.27	12.65	70.72
LWILDMER	13I	G002YR24HR	26.43	62.60	63.45	0.0000	408769	12.42	17.79	0.00	0.00
LWILDMER	13I	G010YR24HR	24.31	63.17	63.45	0.0000	490879	12.45	64.22	24.31	2.11
LWILDMER	13I	G025YR24HR	17.86	63.28	63.45	0.0001	514537	12.42	106.74	17.86	8.24
LWILDMER	13I	G100YR24HR	14.01	63.53	63.45	0.0001	565412	12.33	185.47	14.01	35.00
MALTBIE	13P	G002YR24HR	15.41	86.14	83.95	0.0003	323698	12.25	223.27	12.89	21.04
MALTBIE	13P	G010YR24HR	17.90	88.05	83.95	0.0003	987420	12.25	378.70	12.21	21.04
MALTBIE	13P	G025YR24HR	20.17	88.82	83.95	0.0003	1122068	12.25	487.91	11.99	21.04
MALTBIE	13P	G100YR24HR	23.70	90.07	83.95	0.0004	1338656	12.25	678.87	11.36	21.04
ORANGE	13I	G002YR24HR	25.50	73.89	0.00	0.0001	138917	12.08	39.17	0.00	0.00
ORANGE	13I	G010YR24HR	25.50	74.98	0.00	0.0001	176795	12.08	69.79	0.00	0.00
ORANGE	13I	G025YR24HR	18.64	75.30	0.00	0.0002	179578	12.08	91.48	18.64	3.27
ORANGE	13I	G100YR24HR	12.94	75.46	0.00	0.0002	180904	12.08	129.49	12.94	26.25
OXFORD	13L	G002YR24HR	13.01	70.85	72.95	0.0005	230782	12.23	114.16	13.01	74.95
OXFORD	13L	G010YR24HR	13.72	72.03	72.95	0.0005	288465	12.16	198.00	13.94	120.50
OXFORD	13L	G025YR24HR	14.22	73.42	72.95	0.0005	358263	12.48	272.92	14.76	133.78
OXFORD	13L	G100YR24HR	13.34	74.46	72.95	0.0005	425505	12.30	445.03	13.33	248.76
PEARL	13P	G002YR24HR	72.00	85.88	86.95	0.0000	622225	12.17	77.27	0.00	0.00
PEARL	13P	G010YR24HR	72.00	86.74	86.95	0.0001	661686	12.17	126.47	0.00	0.00
PEARL	13P	G025YR24HR	72.00	87.31	86.95	0.0001	789185	12.17	162.14	0.00	0.00
PEARL	13P	G100YR24HR	72.00	88.19	86.95	0.0001	1075939	12.17	223.79	72.00	0.23
PINEYRDG	13P	G002YR24HR	20.81	83.95	85.95	0.0002	47893	12.25	28.62	20.81	1.97
PINEYRDG	13P	G010YR24HR	17.03	85.22	85.95	0.0002	70107	12.25	47.14	17.03	2.96
PINEYRDG	13P	G025YR24HR	16.98	86.25	85.95	0.0003	97682	12.25	60.12	16.98	3.76
PINEYRDG	13P	G100YR24HR	18.94	87.52	85.95	0.0004	179572	12.25	82.82	12.86	3.92
PLAZA	13K	G002YR24HR	25.50	74.54	75.65	0.0000	130578	12.08	13.15	0.00	0.00
PLAZA	13K	G010YR24HR	25.50	74.92	75.65	0.0000	141658	12.08	21.86	0.00	0.00
PLAZA	13K	G025YR24HR	25.50	75.17	75.65	0.0001	152232	12.08	27.96	0.00	0.00
PLAZA	13K	G100YR24HR	25.50	75.57	75.65	0.0001	170096	12.08	38.64	0.00	0.00
PRAIRIE	13P	G002YR24HR	72.00	85.88	87.95	0.0000	5705487	12.25	681.66	13.86	3.75
PRAIRIE	13P	G010YR24HR	72.00	86.74	87.95	0.0001	6118188	12.21	1114.95	13.85	5.33
PRAIRIE	13P	G025YR24HR	72.00	87.31	87.95	0.0001	6420649	12.17	1410.84	13.85	5.71
PRAIRIE	13P	G100YR24HR	72.00	88.19	87.95	0.0001	6895351	12.17	1919.28	24.50	7.24
QUAIL	13M	G002YR24HR	19.73	62.66	65.95	0.0005	156293	12.08	26.47	19.73	0.87
QUAIL	13M	G010YR24HR	20.14	63.18	65.95	0.0006	160302	12.08	44.04	19.84	1.28
QUAIL	13M	G025YR24HR	23.25	63.60	65.95	0.0006	167647	12.08	56.36	13.38	1.39
QUAIL	13M	G100YR24HR	24.13	64.36	65.95	0.0008	181347	12.08	77.87	12.35	1.44
QUEENS	13L	G002YR24HR	15.74	52.75	53.95	0.0001	708030	12.38	294.69	14.94	134.93
QUEENS	13L	G010YR24HR	15.45	53.95	53.95	0.0001	794492	12.29	446.08	14.95	277.10
QUEENS	13L	G025YR24HR	15.02	54.53	53.95	0.0002	831914	12.39	583.54	14.73	360.19
QUEENS	13L	G100YR24HR	24.26	55.52	53.95	0.0002	899700	12.58	792.11	14.11	494.98
SECRET	13M	G002YR24HR	16.03	52.09	52.95	0.0009	580058	12.33	113.48	14.81	20.77
SECRET	13M	G010YR24HR	27.60	53.44	52.95	0.0008	796535	12.33	182.47	14.58	34.84
SECRET	13M	G025YR24HR	30.20	54.40	52.95	0.0009	1058496	12.41	221.89	18.37	49.18
SECRET	13M	G100YR24HR	36.74	55.63	52.95	0.0011	1379541	12.47	297.95	21.01	76.26
TRIPLT-M	13L	G002YR24HR	28.16	52.13	51.95	0.0000	2895462	12.08	320.62	25.42	79.35

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
TRIPLT-M	13L	G010YR24HR	26.23	53.32	51.95	0.0001	3198585	12.08	543.12	22.14	153.02
TRIPLT-M	13L	G025YR24HR	26.76	54.08	51.95	0.0001	3389783	12.08	706.69	20.57	198.40
TRIPLT-M	13L	G100YR24HR	26.42	55.16	51.95	0.0001	3695282	12.08	1025.93	24.23	276.05
TRIPLT-N	13L	G002YR24HR	29.92	51.94	52.25	0.0000	1164399	12.33	139.79	27.03	75.38
TRIPLT-N	13L	G010YR24HR	28.19	53.07	52.25	0.0001	1383253	12.33	232.65	24.57	140.47
TRIPLT-N	13L	G025YR24HR	27.79	53.80	52.25	0.0001	1551223	12.33	300.16	26.53	178.27
TRIPLT-N	13L	G100YR24HR	27.15	54.80	52.25	0.0001	1699986	12.25	418.20	27.20	268.30
TRIPLT-S	13L	G002YR24HR	27.96	52.14	0.00	0.0000	1501182	12.08	194.73	16.08	101.75
TRIPLT-S	13L	G010YR24HR	26.21	53.32	0.00	0.0001	1820753	12.08	346.75	15.49	217.88
TRIPLT-S	13L	G025YR24HR	26.75	54.08	0.00	0.0001	1967088	12.08	458.21	14.62	263.16
TRIPLT-S	13L	G100YR24HR	26.42	55.16	0.00	0.0001	2146338	12.08	673.49	14.45	339.53
TROUT	13K	G002YR24HR	20.15	79.21	80.65	0.0000	791990	12.08	100.48	20.09	4.15
TROUT	13K	G010YR24HR	20.18	79.70	80.65	0.0001	848296	12.08	198.42	20.14	6.54
TROUT	13K	G025YR24HR	20.17	80.04	80.65	0.0001	885138	12.08	261.15	20.14	8.24
TROUT	13K	G100YR24HR	20.25	80.60	80.65	0.0001	938728	12.08	369.74	20.23	10.80
WILDMERE	13I	G002YR24HR	19.08	59.22	57.95	0.0000	1657671	12.50	196.58	31.09	40.92
WILDMERE	13I	G010YR24HR	20.08	60.62	57.95	0.0001	1851681	12.69	441.49	20.19	65.59
WILDMERE	13I	G025YR24HR	20.50	61.49	57.95	0.0001	1983669	12.70	662.91	20.47	109.24
WILDMERE	13I	G100YR24HR	19.37	62.86	57.95	0.0002	2209649	12.59	1127.59	19.04	170.12
YVONNE	13N	G002YR24HR	17.81	53.74	53.95	0.0001	1206953	12.25	284.12	18.18	20.23
YVONNE	13N	G010YR24HR	16.03	54.72	53.95	0.0001	1526561	12.25	520.62	16.98	46.68
YVONNE	13N	G025YR24HR	15.96	55.37	53.95	0.0002	1777844	12.25	690.74	17.00	61.37
YVONNE	13N	G100YR24HR	15.97	56.36	53.95	0.0002	2224864	12.25	991.06	16.10	83.57

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.1 Input Data – Scenario 1

E.2 Basin Max Comparison Report – Scenario 1

E.3 Link Max Comparison Report – Scenario 1

E.4 Node Max Comparison Report – Scenario 1

E.5 Input Data – Scenario 2

E.6 Basin Max Comparison Report – Scenario 2

E.7 Link Max Comparison Report – Scenario 2

E.8 Node Max Comparison Report – Scenario 2

E.9 Input Data – Scenario 3

E.10 Basin Max Comparison Report – Scenario 3

E.11 Link Max Comparison Report – Scenario 3

E.12 Node Max Comparison Report – Scenario 3

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.1 Input Data – Scenario 1

```
==========================================================================================
==== Basins ==============================================================================
==========================================================================================

         Name: 13A0100B                Node: 13A0100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.940                      Time Shift(hrs): 0.00
         Curve Number: 84.91              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0300B                Node: 13A0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 107.00
            Area(ac): 29.540                     Time Shift(hrs): 0.00
         Curve Number: 81.06              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0600B                Node: 13A0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 124.00
            Area(ac): 9.680                      Time Shift(hrs): 0.00
         Curve Number: 92.05              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0725B                Node: 13A0725N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.520                      Time Shift(hrs): 0.00
         Curve Number: 82.88              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0735B                Node: 13A0735P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 62.00
            Area(ac): 20.270                     Time Shift(hrs): 0.00
         Curve Number: 87.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0800B                Node: 13A0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 16.420                     Time Shift(hrs): 0.00
         Curve Number: 73.45              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0820B                Node: 13A0820P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 160.00
             Area(ac): 34.270                    Time Shift(hrs): 0.00
        Curve Number: 89.89                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A0950B                 Node: 13A0950N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.900                    Time Shift(hrs): 0.00
        Curve Number: 76.25                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1000B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.360                     Time Shift(hrs): 0.00
        Curve Number: 77.41                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1001B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 64.00
             Area(ac): 12.670                    Time Shift(hrs): 0.00
        Curve Number: 72.34                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1002B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.580                     Time Shift(hrs): 0.00
        Curve Number: 84.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1101B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 89.00
             Area(ac): 23.280                    Time Shift(hrs): 0.00
        Curve Number: 81.85                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A1102B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.660                     Time Shift(hrs): 0.00
        Curve Number: 84.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13A1300B                Node: 13A1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 10.410                   Time Shift(hrs): 0.00
         Curve Number: 86.80              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1400B                Node: 13A1400N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.680                    Time Shift(hrs): 0.00
         Curve Number: 79.51              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1600B                Node: 13A1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.200                    Time Shift(hrs): 0.00
         Curve Number: 89.98              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1601B                Node: 13A1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
             Area(ac): 7.720                    Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1700B                Node: 13A1700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.910                    Time Shift(hrs): 0.00
         Curve Number: 89.75              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1701B                Node: 13A1700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 30.960                   Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1800B                Node: 13A1800N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.670                    Time Shift(hrs): 0.00
           Curve Number: 89.30              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1801B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 6.580                    Time Shift(hrs): 0.00
           Curve Number: 83.20              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1802B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 1.710                    Time Shift(hrs): 0.00
           Curve Number: 80.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1901B                 Node: 13A1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 28.00
              Area(ac): 14.830                   Time Shift(hrs): 0.00
           Curve Number: 84.14              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1902B                 Node: 13A1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 2.410                    Time Shift(hrs): 0.00
           Curve Number: 76.94              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A2100B                 Node: 13A2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.370                    Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A2200B                 Node: 13A2200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 7.230                    Time Shift(hrs): 0.00
           Curve Number: 91.93              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A2201B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 20.390                     Time Shift(hrs): 0.00
         Curve Number: 82.68               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13A2202B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.910                      Time Shift(hrs): 0.00
         Curve Number: 80.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13A2220B                Node: 13A2220P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 17.460                     Time Shift(hrs): 0.00
         Curve Number: 66.07               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13A2300B                Node: 13A2300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.700                      Time Shift(hrs): 0.00
         Curve Number: 83.98               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13A2350B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.980                      Time Shift(hrs): 0.00
         Curve Number: 89.67               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13A2351B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.650                      Time Shift(hrs): 0.00
         Curve Number: 83.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13A2400B                Node: 13A2400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 5.280                    Time Shift(hrs): 0.00
        Curve Number: 83.77              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2600B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.600                    Time Shift(hrs): 0.00
        Curve Number: 90.54              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2601B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 34.00
            Area(ac): 35.030                   Time Shift(hrs): 0.00
        Curve Number: 78.69              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2701B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.870                    Time Shift(hrs): 0.00
        Curve Number: 82.29              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2750B                Node: 13A2750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 16.880                   Time Shift(hrs): 0.00
        Curve Number: 80.67              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2820B                Node: 13A2820P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 10.590                   Time Shift(hrs): 0.00
        Curve Number: 82.14              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2900B                Node: 13A2900N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 82.00
            Area(ac): 22.470                   Time Shift(hrs): 0.00
        Curve Number: 69.30              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13A2901B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 118.00
            Area(ac): 43.380                    Time Shift(hrs): 0.00
         Curve Number: 73.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A2902B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 77.00
            Area(ac): 39.360                    Time Shift(hrs): 2.22
         Curve Number: 65.83             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A2903B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 96.00
            Area(ac): 33.570                    Time Shift(hrs): 4.30
         Curve Number: 52.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3200B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.420                     Time Shift(hrs): 0.00
         Curve Number: 85.41             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3201B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 25.00
            Area(ac): 16.280                    Time Shift(hrs): 0.00
         Curve Number: 83.40             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3202B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.970                     Time Shift(hrs): 0.00
         Curve Number: 75.92             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3300B                Node: 13A3300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.210                   Time Shift(hrs): 0.00
           Curve Number: 87.18              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3320B                 Node: 13A3320P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.340                  Time Shift(hrs): 0.00
           Curve Number: 77.64              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3400B                 Node: 13A3400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 40.400                  Time Shift(hrs): 0.00
           Curve Number: 83.51              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3420B                 Node: 13A3420P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.660                   Time Shift(hrs): 0.00
           Curve Number: 70.01              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3440B                 Node: 13A3440P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 182.00
               Area(ac): 19.240                  Time Shift(hrs): 0.00
           Curve Number: 56.10              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3600B                 Node: 13A3600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.700                   Time Shift(hrs): 0.00
           Curve Number: 86.31              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3910B                 Node: 13A3910P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.290                  Time Shift(hrs): 0.00
           Curve Number: 85.67              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13A3920B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.210                  Time Shift(hrs): 0.00
        Curve Number: 93.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3921B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.560                  Time Shift(hrs): 0.00
        Curve Number: 83.28             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3930B                Node: 13A3930N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 21.000                  Time Shift(hrs): 0.00
        Curve Number: 83.49             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3940B                Node: 13A3940N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.500                   Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3950B                Node: 13A3950N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 9.990                   Time Shift(hrs): 0.00
        Curve Number: 83.78             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3952B                Node: 13A3952P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 102.00
            Area(ac): 46.940                  Time Shift(hrs): 0.00
        Curve Number: 67.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3954B                Node: 13A3954P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
```

```
             Area(ac): 35.320                 Time Shift(hrs): 0.00
         Curve Number: 65.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3956B                Node: 13A3954P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.820                  Time Shift(hrs): 0.00
         Curve Number: 56.11             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3960B                Node: 13A3960P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.560                  Time Shift(hrs): 0.00
         Curve Number: 72.26             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3962B                Node: 13A3962P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
             Area(ac): 24.070                 Time Shift(hrs): 0.00
         Curve Number: 81.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3964B                Node: 13A3962P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 16.340                 Time Shift(hrs): 0.00
         Curve Number: 84.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3990B                Node: 13A3990P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 38.570                 Time Shift(hrs): 0.00
         Curve Number: 72.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A4000B                Node: 13A4000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.450                  Time Shift(hrs): 0.00
         Curve Number: 93.63             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
         Name: 13A4120B                 Node: 13A4120P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.400                     Time Shift(hrs): 0.00
         Curve Number: 86.21               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4200B                 Node: 13A4200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.700                      Time Shift(hrs): 0.00
         Curve Number: 90.79               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4300B                 Node: 13A4300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 20.100                     Time Shift(hrs): 0.00
         Curve Number: 87.40               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4301B                 Node: 13A4300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.530                     Time Shift(hrs): 0.00
         Curve Number: 80.75               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4700B                 Node: 13A4700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 19.780                     Time Shift(hrs): 0.00
         Curve Number: 81.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4701B                 Node: 13A4700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.320                      Time Shift(hrs): 0.00
         Curve Number: 83.02               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13A4720B                 Node: 13A4700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.640                     Time Shift(hrs): 0.00
```

```
          Curve Number: 49.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A4721B                Node: 13A4700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 17.010                  Time Shift(hrs): 0.50
          Curve Number: 48.27             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5001B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.770                  Time Shift(hrs): 0.00
          Curve Number: 91.93             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5002B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.910                   Time Shift(hrs): 0.00
          Curve Number: 88.11             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5100B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.790                  Time Shift(hrs): 0.00
          Curve Number: 93.87             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5101B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.780                  Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5300B                Node: 13A5300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.350                   Time Shift(hrs): 0.00
          Curve Number: 88.04             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5320B                Node: 13A5320P              Status: Onsite
```

```
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.540                   Time Shift(hrs): 0.00
          Curve Number: 61.91               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5400B                 Node: 13A5400N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
             Area(ac): 23.730                   Time Shift(hrs): 0.00
          Curve Number: 83.93               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5500B                 Node: 13A5500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.830                   Time Shift(hrs): 0.00
          Curve Number: 79.14               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5600B                 Node: 13A5600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.440                   Time Shift(hrs): 0.00
          Curve Number: 87.94               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5800B                 Node: 13A5800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.780                    Time Shift(hrs): 0.00
          Curve Number: 91.93               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A6000B                 Node: 13A6000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 96.640                   Time Shift(hrs): 0.00
          Curve Number: 85.25               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A6200B                 Node: KATHRYN                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 43.00
             Area(ac): 160.110                  Time Shift(hrs): 0.00
          Curve Number: 92.44               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A6201B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.140                     Time Shift(hrs): 0.00
        Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0200B                 Node: 13B0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 63.00
            Area(ac): 11.350                    Time Shift(hrs): 0.00
        Curve Number: 63.39              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0400B                 Node: 13B0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.210                    Time Shift(hrs): 0.00
        Curve Number: 39.42              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0500B                 Node: 13B0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.890                     Time Shift(hrs): 0.00
        Curve Number: 46.74              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0710B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 39.600                    Time Shift(hrs): 0.00
        Curve Number: 83.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0740B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                     Time Shift(hrs): 0.00
        Curve Number: 73.59              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C0100B                 Node: 13C0100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 12.900                    Time Shift(hrs): 0.00
        Curve Number: 79.91               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0500B                 Node: 13C0500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.050                     Time Shift(hrs): 0.00
        Curve Number: 85.04               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0600B                 Node: 13C0600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 10.760                    Time Shift(hrs): 0.00
        Curve Number: 93.51               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0800B                 Node: 13C0800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 1.120                     Time Shift(hrs): 0.00
        Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1000B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.850                     Time Shift(hrs): 0.00
        Curve Number: 93.10               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1001B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.180                     Time Shift(hrs): 0.00
        Curve Number: 84.03               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1100B                 Node: 13C1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 7.320                     Time Shift(hrs): 0.00
        Curve Number: 93.19               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

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-----------------------------------------------------------------------------------------------
        Name: 13C1120B                Node: 13C1100N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
             Area(ac): 25.520                   Time Shift(hrs): 0.00
        Curve Number: 86.05              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1200B                Node: 13C1200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.810                    Time Shift(hrs): 0.00
        Curve Number: 93.10              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1201B                Node: 13C1200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.800                    Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1300B                Node: 13C1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.500                    Time Shift(hrs): 0.00
        Curve Number: 94.14              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1301B                Node: 13C1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.550                    Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1350B                Node: 13C1350N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 190.00
             Area(ac): 155.510                  Time Shift(hrs): 0.00
        Curve Number: 77.01              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1370B                Node: 13C1350N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 20.750                  Time Shift(hrs): 4.67
           Curve Number: 63.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13C1400B                 Node: 13C1400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 5.700                   Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13C1700B                 Node: 13C1700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 5.440                   Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13C1800B                 Node: 13C1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 10.250                  Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13C1801B                 Node: 13C1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 49.00
              Area(ac): 24.790                  Time Shift(hrs): 0.00
           Curve Number: 72.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13C1802B                 Node: 13C1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 77.00
              Area(ac): 56.830                  Time Shift(hrs): 0.00
           Curve Number: 61.06              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13C1850B                 Node: 13C1850N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 96.00
              Area(ac): 36.200                  Time Shift(hrs): 0.00
           Curve Number: 89.20              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13C1851B                Node: 13C1850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.470                      Time Shift(hrs): 0.00
         Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C1900B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.770                      Time Shift(hrs): 0.00
         Curve Number: 77.74               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C1901B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 102.00
            Area(ac): 29.990                     Time Shift(hrs): 1.45
         Curve Number: 61.77               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2200B                Node: 13C2200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
            Area(ac): 26.820                     Time Shift(hrs): 0.00
         Curve Number: 73.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2220B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 12.640                     Time Shift(hrs): 0.00
         Curve Number: 64.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2240B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.330                     Time Shift(hrs): 0.00
         Curve Number: 57.04               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2260B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 18.530                   Time Shift(hrs): 0.00
         Curve Number: 66.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2280B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 30.00
            Area(ac): 105.650                  Time Shift(hrs): 0.00
         Curve Number: 69.14             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2400B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.670                   Time Shift(hrs): 0.00
         Curve Number: 89.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2401B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.320                   Time Shift(hrs): 0.00
         Curve Number: 65.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13C2402B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 30.120                   Time Shift(hrs): 0.00
         Curve Number: 75.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13D0170B                Node: 13D0170P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 11.270                   Time Shift(hrs): 0.00
         Curve Number: 85.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13D0310B                Node: 13D0310N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.090                    Time Shift(hrs): 0.00
         Curve Number: 84.22             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13D0330B                Node: 13D0330N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 36.380                    Time Shift(hrs): 0.00
         Curve Number: 83.88             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0610B                Node: 13D0500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 19.050                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0630B                Node: 13D0700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.720                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0750B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.860                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0751B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
            Area(ac): 24.450                    Time Shift(hrs): 0.00
         Curve Number: 85.34             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0801B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 46.00
            Area(ac): 34.950                    Time Shift(hrs): 0.00
         Curve Number: 81.71             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0802B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
               Area(ac): 14.050                  Time Shift(hrs): 0.00
           Curve Number: 83.61              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0400B                 Node: 13F0400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
               Area(ac): 76.220                  Time Shift(hrs): 0.00
           Curve Number: 91.20              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0401B                 Node: 13F0400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 134.00
               Area(ac): 16.420                  Time Shift(hrs): 0.00
           Curve Number: 86.85              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0410B                 Node: 13F0410P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.660                   Time Shift(hrs): 0.00
           Curve Number: 78.03              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0420B                 Node: 13F0420P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.050                   Time Shift(hrs): 0.00
           Curve Number: 80.34              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0430B                 Node: 13F0430P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
               Area(ac): 31.040                  Time Shift(hrs): 0.00
           Curve Number: 91.59              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0440B                 Node: 13F0440P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.760                   Time Shift(hrs): 0.00
           Curve Number: 99.51              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

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--------------------------------------------------------------------------------------------------
        Name: 13F0450B                Node: 13F0450P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 75.00
            Area(ac): 13.600                  Time Shift(hrs): 0.00
        Curve Number: 84.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0750B                Node: 13F0750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.430                  Time Shift(hrs): 0.00
        Curve Number: 65.24             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0760B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.520                  Time Shift(hrs): 0.00
        Curve Number: 62.08             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0770B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 61.00
            Area(ac): 14.420                 Time Shift(hrs): 0.00
        Curve Number: 59.59             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1000B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 36.680                 Time Shift(hrs): 0.00
        Curve Number: 66.35             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1001B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 13.930                 Time Shift(hrs): 0.00
        Curve Number: 66.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1110B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
```

```
             Area(ac): 4.440                  Time Shift(hrs): 0.00
         Curve Number: 46.27             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1120B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.590                  Time Shift(hrs): 0.00
         Curve Number: 53.93             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1130B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 46.00
             Area(ac): 14.940                 Time Shift(hrs): 0.00
         Curve Number: 55.57             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1150B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 13.370                 Time Shift(hrs): 0.00
         Curve Number: 64.79             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1154B                Node: 13F1154P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
             Area(ac): 12.260                 Time Shift(hrs): 0.00
         Curve Number: 48.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1158B                Node: 13F1158P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
             Area(ac): 7.700                  Time Shift(hrs): 0.00
         Curve Number: 51.69             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1170B                Node: 13F1000P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
             Area(ac): 11.600                 Time Shift(hrs): 0.00
         Curve Number: 59.52             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13F1300B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.160                     Time Shift(hrs): 0.00
        Curve Number: 85.73              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1301B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.380                     Time Shift(hrs): 0.00
        Curve Number: 62.89              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1320B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.830                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1324B                Node: CEMETERY              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 58.00
            Area(ac): 26.660                    Time Shift(hrs): 0.00
        Curve Number: 72.25              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1340B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
            Area(ac): 9.400                     Time Shift(hrs): 0.00
        Curve Number: 81.37              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1360B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.170                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1374B                Node: 13F1374P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 23.00
            Area(ac): 10.870                    Time Shift(hrs): 0.00
```

```
          Curve Number: 73.73             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1378B                Node: 13F1378P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 18.970                  Time Shift(hrs): 0.00
          Curve Number: 58.14             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1380B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.480                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1400B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 8.810                   Time Shift(hrs): 0.00
          Curve Number: 83.97             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1404B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.270                   Time Shift(hrs): 0.00
          Curve Number: 84.71             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1420B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.140                   Time Shift(hrs): 0.00
          Curve Number: 83.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1440B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.660                   Time Shift(hrs): 0.00
          Curve Number: 87.01             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1500B                Node: DUCKPOND              Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.080                    Time Shift(hrs): 0.00
         Curve Number: 67.70               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0400B                 Node: 13G0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 88.05               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0500B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.290                     Time Shift(hrs): 0.00
         Curve Number: 87.66               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0501B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 52.00
             Area(ac): 16.240                    Time Shift(hrs): 0.00
         Curve Number: 87.15               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0600B                 Node: 13G0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.630                     Time Shift(hrs): 0.00
         Curve Number: 85.71               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1200B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 37.360                    Time Shift(hrs): 0.00
         Curve Number: 93.38               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1201B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 6.490                     Time Shift(hrs): 0.00
         Curve Number: 69.30               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G1202B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 24.210                    Time Shift(hrs): 0.00
        Curve Number: 84.26              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2200B                 Node: 13G2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 5.730                     Time Shift(hrs): 0.00
        Curve Number: 87.30              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2201B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 19.640                    Time Shift(hrs): 0.00
        Curve Number: 73.01              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0100B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 46.960                    Time Shift(hrs): 0.00
        Curve Number: 72.16              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0101B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 23.00
            Area(ac): 13.960                    Time Shift(hrs): 0.00
        Curve Number: 81.82              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0150B                 Node: 13H0150P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.270                    Time Shift(hrs): 0.00
        Curve Number: 79.17              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0200B                 Node: IRENE-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 32.110                    Time Shift(hrs): 0.00
        Curve Number: 76.25               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0220B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.270                     Time Shift(hrs): 0.00
        Curve Number: 93.05               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0240B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 6.950                     Time Shift(hrs): 0.00
        Curve Number: 92.98               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0300B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 22.240                    Time Shift(hrs): 0.00
        Curve Number: 90.93               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0320B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.240                     Time Shift(hrs): 0.00
        Curve Number: 93.12               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0340B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.560                     Time Shift(hrs): 0.00
        Curve Number: 94.82               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0350B                 Node: 13H0350P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 11.040                    Time Shift(hrs): 0.00
        Curve Number: 77.12               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13I0300B                 Node: 13I0300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 39.00
             Area(ac): 14.840                   Time Shift(hrs): 0.00
         Curve Number: 92.29              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0600B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 103.930                  Time Shift(hrs): 0.00
         Curve Number: 86.38              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0610B                 Node: 13I0610P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.250                    Time Shift(hrs): 0.00
         Curve Number: 73.84              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0620B                 Node: 13I0620P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 25.230                   Time Shift(hrs): 0.00
         Curve Number: 60.25              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0630B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 72.00
             Area(ac): 54.770                   Time Shift(hrs): 0.00
         Curve Number: 87.52              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0631B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 23.580                   Time Shift(hrs): 0.74
         Curve Number: 80.73              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0640B                 Node: LWILDMER               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 34.00
              Area(ac): 35.600                   Time Shift(hrs): 0.00
           Curve Number: 64.27               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I0660B                 Node: FERN                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 19.820                   Time Shift(hrs): 0.00
           Curve Number: 83.04               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I0900B                 Node: 13I0900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 10.360                   Time Shift(hrs): 0.00
           Curve Number: 64.99               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1000B                 Node: 13I1000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 13.260                   Time Shift(hrs): 0.00
           Curve Number: 76.31               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1200B                 Node: WILDMERE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 38.00
              Area(ac): 79.320                   Time Shift(hrs): 0.00
           Curve Number: 81.26               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1201B                 Node: WILDMERE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 48.00
              Area(ac): 54.370                   Time Shift(hrs): 0.00
           Curve Number: 82.79               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1220B                 Node: JANE                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 43.00
              Area(ac): 17.620                   Time Shift(hrs): 0.00
           Curve Number: 81.15               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13I1300B                Node: EVERGRN                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 8.170                      Time Shift(hrs): 0.00
         Curve Number: 76.19               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1500B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 6.520                      Time Shift(hrs): 0.00
         Curve Number: 88.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1501B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 91.470                     Time Shift(hrs): 0.00
         Curve Number: 84.65               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1502B                Node: 13I1502N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.480                      Time Shift(hrs): 0.00
         Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1504B                Node: 13I1504N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.000                      Time Shift(hrs): 0.00
         Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1510B                Node: 13I1510N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 22.610                     Time Shift(hrs): 0.00
         Curve Number: 80.23               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13I1512B                Node: 13I1512N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 61.00
            Area(ac): 3.090                    Time Shift(hrs): 0.00
         Curve Number: 80.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1514B                Node: 13I1514P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 40.00
            Area(ac): 72.830                   Time Shift(hrs): 0.00
         Curve Number: 87.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1540B                Node: GEM                   Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 15.730                   Time Shift(hrs): 0.00
         Curve Number: 77.99             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1560B                Node: ORANGE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 21.090                   Time Shift(hrs): 0.00
         Curve Number: 84.34             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0300B                Node: 13J0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.480                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0320B                Node: 13J0320N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 0.730                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0340B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.150                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13J0341B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
            Area(ac): 12.670                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0401B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 25.920                    Time Shift(hrs): 0.00
         Curve Number: 67.64             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0402B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.720                     Time Shift(hrs): 0.75
         Curve Number: 74.60             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0600B                Node: 13J0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.580                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0640B                Node: 13J0640N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.310                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0800B                Node: 13J0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.150                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1000B                Node: 13J1000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 70.00
               Area(ac): 17.550                  Time Shift(hrs): 0.00
           Curve Number: 71.70              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1300B                 Node: 13J1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
               Area(ac): 6.110                   Time Shift(hrs): 0.00
           Curve Number: 82.79              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1800B                 Node: 13J1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 19.650                  Time Shift(hrs): 0.00
           Curve Number: 79.44              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1820B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.920                   Time Shift(hrs): 0.00
           Curve Number: 78.75              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1821B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
               Area(ac): 5.830                   Time Shift(hrs): 0.00
           Curve Number: 86.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1822B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 57.00
               Area(ac): 19.330                  Time Shift(hrs): 0.00
           Curve Number: 70.91              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1900B                 Node: 13J1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.420                   Time Shift(hrs): 0.00
           Curve Number: 92.63              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13J2200B                Node: 13J2200P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 80.580                  Time Shift(hrs): 0.00
        Curve Number: 86.80             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2220B                Node: 13J2220P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 64.00
            Area(ac): 41.260                  Time Shift(hrs): 0.00
        Curve Number: 83.76             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2221B                Node: 13J2221P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.360                  Time Shift(hrs): 0.00
        Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2222B                Node: 13J2222P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.580                  Time Shift(hrs): 0.00
        Curve Number: 91.44             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2231B                Node: 13J2231N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.640                  Time Shift(hrs): 0.00
        Curve Number: 92.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2232B                Node: 13J2232N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 51.00
            Area(ac): 26.810                  Time Shift(hrs): 0.00
        Curve Number: 91.05             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2233B                Node: 13J2233P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 83.00
```

```
             Area(ac): 22.140                 Time Shift(hrs): 0.00
         Curve Number: 88.62              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13J2234B                 Node: 13J2234P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
             Area(ac): 13.320                  Time Shift(hrs): 0.00
         Curve Number: 81.08              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K0250B                 Node: 13K0250N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.280                   Time Shift(hrs): 0.00
         Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K0400B                 Node: 13K0400N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.310                   Time Shift(hrs): 0.00
         Curve Number: 94.37              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K0550B                 Node: 13K0550N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.360                   Time Shift(hrs): 0.00
         Curve Number: 93.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K0751B                 Node: 13K0750N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 23.820                  Time Shift(hrs): 0.00
         Curve Number: 85.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13K0752B                 Node: 13K0750N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.070                   Time Shift(hrs): 0.00
         Curve Number: 92.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13K0900B                Node: 13K0900P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.360                     Time Shift(hrs): 0.00
        Curve Number: 90.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1150B                Node: 13K1150P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.440                     Time Shift(hrs): 0.00
        Curve Number: 84.20              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1300B                Node: 13K1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 14.370                    Time Shift(hrs): 0.00
        Curve Number: 82.52              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1500B                Node: 13K1500N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.230                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1600B                Node: 13K1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.950                     Time Shift(hrs): 0.00
        Curve Number: 77.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1650B                Node: PLAZA                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.030                     Time Shift(hrs): 0.00
        Curve Number: 89.99              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1900B                Node: GRIFFIN               Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 53.200                    Time Shift(hrs): 0.00
```

```
          Curve Number: 68.03             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2200B                Node: TROUT                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 51.650                  Time Shift(hrs): 0.00
          Curve Number: 84.45             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2240B                Node: 13K2240P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.010                  Time Shift(hrs): 0.00
          Curve Number: 93.46             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2280B                Node: LOTUS                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 29.860                  Time Shift(hrs): 0.00
          Curve Number: 59.52             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3050B                Node: 13K3050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 19.030                  Time Shift(hrs): 0.00
          Curve Number: 83.96             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3200B                Node: 13K3200P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 44.00
            Area(ac): 23.680                  Time Shift(hrs): 0.00
          Curve Number: 94.50             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4050B                Node: 13K4050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 25.290                  Time Shift(hrs): 0.00
          Curve Number: 76.28             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4200B                Node: 13K4200P               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 21.530                    Time Shift(hrs): 0.00
         Curve Number: 70.44               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13K4400B                 Node: 13K4400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.610                    Time Shift(hrs): 0.00
         Curve Number: 92.54               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0020B                 Node: 13L0020N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.330                     Time Shift(hrs): 0.00
         Curve Number: 84.26               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0040B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
             Area(ac): 48.050                    Time Shift(hrs): 0.00
         Curve Number: 89.56               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0060B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.530                     Time Shift(hrs): 0.00
         Curve Number: 91.45               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0080B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.130                    Time Shift(hrs): 0.00
         Curve Number: 94.99               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0200B                 Node: 13L0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
             Area(ac): 29.370                    Time Shift(hrs): 0.00
         Curve Number: 84.12               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0400B                 Node: 13L0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.180                      Time Shift(hrs): 0.00
         Curve Number: 89.35               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0800B                 Node: TRIPLT-N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 44.00
            Area(ac): 85.140                     Time Shift(hrs): 0.00
         Curve Number: 85.29               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0820B                 Node: 13L0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 24.680                     Time Shift(hrs): 0.00
         Curve Number: 87.90               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1000B                 Node: TRIPLT-M               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 103.250                    Time Shift(hrs): 0.00
         Curve Number: 92.64               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1001B                 Node: TRIPLT-S               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 76.00
            Area(ac): 16.780                     Time Shift(hrs): 0.00
         Curve Number: 82.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1020B                 Node: 13L1020P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
            Area(ac): 26.560                     Time Shift(hrs): 0.00
         Curve Number: 88.23               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1200B                 Node: TRIPLT-S               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 66.390                    Time Shift(hrs): 0.00
          Curve Number: 90.69               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1201B                 Node: TRIPLT-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 68.00
             Area(ac): 10.960                    Time Shift(hrs): 0.00
          Curve Number: 70.78               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1202B                 Node: 13L1202N                Status: Onsite
        Group: Scenario1                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
             Area(ac): 13.510                    Time Shift(hrs): 0.00
          Curve Number: 74.84               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1203B                 Node: 13L1203N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
             Area(ac): 1.400                     Time Shift(hrs): 0.00
          Curve Number: 86.81               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1700B                 Node: QUEENS                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 44.200                    Time Shift(hrs): 0.00
          Curve Number: 88.99               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L1825B                 Node: 13L1825N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 0.400                     Time Shift(hrs): 0.00
          Curve Number: 89.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L1829B                 Node: 13L1875P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 19.680                    Time Shift(hrs): 0.00
          Curve Number: 94.04               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1875B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 43.100                    Time Shift(hrs): 0.00
        Curve Number: 95.33              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1876B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 66.800                    Time Shift(hrs): 0.00
        Curve Number: 88.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1877B                 Node: POND7                  Status: Onsite
        Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 31.880                    Time Shift(hrs): 0.00
        Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1878B                 Node: POND7                  Status: Onsite
        Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 17.930                    Time Shift(hrs): 0.00
        Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1895B                 Node: 13L1895P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 7.070                     Time Shift(hrs): 0.00
        Curve Number: 91.66              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1950B                 Node: 13L1950P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 53.300                    Time Shift(hrs): 0.00
        Curve Number: 95.35              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1951B                 Node: 13L1951P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.700                     Time Shift(hrs): 0.00
        Curve Number: 88.97               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L1952B                 Node: 13L1950P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 50.00
             Area(ac): 59.750                    Time Shift(hrs): 0.00
        Curve Number: 88.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L1975B                 Node: 13L1975P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 37.00
             Area(ac): 14.530                    Time Shift(hrs): 0.00
        Curve Number: 92.16               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2050B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 14.040                    Time Shift(hrs): 0.00
        Curve Number: 94.15               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2051B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.390                    Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2052B                 Node: POND10                 Status: Onsite
       Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 9.250                     Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2053B                 Node: POND10                 Status: Onsite
       Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 41.00
             Area(ac): 29.230                    Time Shift(hrs): 0.00
        Curve Number: 87.17               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13L2151B                 Node: 13L2300P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 4.500                    Time Shift(hrs): 0.00
           Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2152B                 Node: POND10                 Status: Onsite
        Group: Scenario1                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 22.00
              Area(ac): 19.480                   Time Shift(hrs): 0.00
           Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2300B                 Node: 13L2300P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 3.100                    Time Shift(hrs): 0.00
           Curve Number: 89.20              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2400B                 Node: 13L2400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 4.270                    Time Shift(hrs): 0.00
           Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2500B                 Node: OXFORD                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
              Area(ac): 18.730                   Time Shift(hrs): 0.00
           Curve Number: 92.11              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2520B                 Node: 13L2520P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
              Area(ac): 17.240                   Time Shift(hrs): 0.00
           Curve Number: 77.12              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2540B                 Node: 13L2540P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.190                    Time Shift(hrs): 0.00
           Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2560B                 Node: 13L2560P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 20.00
              Area(ac): 14.370                   Time Shift(hrs): 0.00
           Curve Number: 89.17              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2700B                 Node: 13L2700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 18.00
              Area(ac): 5.320                    Time Shift(hrs): 0.00
           Curve Number: 90.43              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------
         Name: 13L2720B                 Node: 13L2720P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 5.270                    Time Shift(hrs): 0.00
           Curve Number: 87.11              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2750B                 Node: 13L2750P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 26.00
              Area(ac): 29.110                   Time Shift(hrs): 0.00
           Curve Number: 92.83              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------
         Name: 13L3000B                 Node: 13L3000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 1.630                    Time Shift(hrs): 0.00
           Curve Number: 92.89              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L3140B                 Node: 13L3140P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 28.00
              Area(ac): 38.090                   Time Shift(hrs): 0.00
           Curve Number: 88.83              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13M0400B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 89.00
            Area(ac): 30.300                     Time Shift(hrs): 0.00
         Curve Number: 89.27               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0500B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                      Time Shift(hrs): 0.00
         Curve Number: 86.69               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0600B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 25.960                     Time Shift(hrs): 0.00
         Curve Number: 90.82               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0601B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
            Area(ac): 7.220                      Time Shift(hrs): 0.00
         Curve Number: 85.60               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0850B                Node: 13M0850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.350                      Time Shift(hrs): 0.00
         Curve Number: 87.59               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0950B                Node: 13M0950N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.500                      Time Shift(hrs): 0.00
         Curve Number: 92.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0990B                Node: 13M0990P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 6.530                    Time Shift(hrs): 0.00
        Curve Number: 91.76              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13M1200B                Node: 13M1200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.490                    Time Shift(hrs): 0.00
        Curve Number: 92.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13M1400B                Node: 13M1400N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.230                    Time Shift(hrs): 0.00
        Curve Number: 92.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13M1500B                Node: 13M1500N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.210                    Time Shift(hrs): 0.00
        Curve Number: 91.66              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13M1520B                Node: 13M1520P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.890                    Time Shift(hrs): 0.00
        Curve Number: 92.09              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13M1800B                Node: CONCORD               Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 43.240                   Time Shift(hrs): 0.00
        Curve Number: 93.61              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13M1925B                Node: 13M1925P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 10.930                   Time Shift(hrs): 0.00
        Curve Number: 95.16              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M2110B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.080                     Time Shift(hrs): 0.00
         Curve Number: 85.12             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2130B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 45.190                    Time Shift(hrs): 0.00
         Curve Number: 80.16             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2150B                Node: ELLEN                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.690                    Time Shift(hrs): 0.00
         Curve Number: 80.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2210B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 85.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2230B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.800                     Time Shift(hrs): 0.00
         Curve Number: 86.67             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2250B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.680                     Time Shift(hrs): 0.00
         Curve Number: 87.70             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2254B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 34.00
               Area(ac): 15.010                  Time Shift(hrs): 0.00
           Curve Number: 93.17              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13M2270B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.020                  Time Shift(hrs): 0.00
           Curve Number: 88.03              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13M2290B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.660                  Time Shift(hrs): 0.00
           Curve Number: 87.34              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13M2330B                 Node: 13M2330P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.800                  Time Shift(hrs): 0.00
           Curve Number: 92.06              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------------
         Name: 13M2331B                 Node: 13M2331N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.190                  Time Shift(hrs): 0.00
           Curve Number: 86.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision


-------------------------------------------------------------------------------------------------
         Name: 13M2332B                 Node: 13M2332P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
               Area(ac): 6.510                  Time Shift(hrs): 0.00
           Curve Number: 90.96              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13M2334B                 Node: 13M2334N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.480                  Time Shift(hrs): 0.00
           Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision
```

```
--------------------------------------------------------------------------------------------------
         Name: 13M2335B                Node: 13M2335N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.800                     Time Shift(hrs): 0.00
          Curve Number: 87.95             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13M2340B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 14.270                    Time Shift(hrs): 0.00
          Curve Number: 92.08             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13M2341B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 11.050                    Time Shift(hrs): 0.00
          Curve Number: 88.33             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13M2400B                Node: QUAIL                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.160                    Time Shift(hrs): 0.00
          Curve Number: 89.93             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13N0050B                Node: 13N0050P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 13.330                    Time Shift(hrs): 0.00
          Curve Number: 80.05             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13N0100B                Node: 13N0100P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.620                    Time Shift(hrs): 0.00
          Curve Number: 82.15             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13N0200B                Node: 13N0200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.540                   Time Shift(hrs): 0.00
           Curve Number: 95.12              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13N0200B2                Node: LOST                    Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
               Area(ac): 37.100                  Time Shift(hrs): 0.00
           Curve Number: 91.87              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Renamed from 13N0200B


-----------------------------------------------------------------------------------------------
         Name: 13N0201B                 Node: 13N0900P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 69.00
               Area(ac): 9.370                   Time Shift(hrs): 0.00
           Curve Number: 64.25              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0301B                 Node: 13N0301P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
               Area(ac): 14.380                  Time Shift(hrs): 0.00
           Curve Number: 83.98              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0600B                 Node: 13N0600N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 30.830                  Time Shift(hrs): 0.00
           Curve Number: 83.92              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0650B                 Node: CRYSTBWL                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
               Area(ac): 42.380                  Time Shift(hrs): 0.00
           Curve Number: 87.64              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0700B                 Node: 13N0700P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.620                   Time Shift(hrs): 0.00
           Curve Number: 96.53              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin
```

```
-----------------------------------------------------------------------------------------------
         Name: 13N0700B2                Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 103.690                    Time Shift(hrs): 0.00
         Curve Number: 77.69               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Renamed from 13N0700B


-----------------------------------------------------------------------------------------------
         Name: 13N0701B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 56.00
            Area(ac): 31.920                     Time Shift(hrs): 0.00
         Curve Number: 80.36               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0710B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.040                     Time Shift(hrs): 0.00
         Curve Number: 87.86               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0720B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 7.910                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0730B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 18.840                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0740B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
            Area(ac): 12.400                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0750B                 Node: YVONNE                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.460                     Time Shift(hrs): 0.00
         Curve Number: 89.10              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13N0751B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 45.470                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13N0752B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.010                     Time Shift(hrs): 0.00
         Curve Number: 86.68              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13N0800B                Node: 13N0800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.870                     Time Shift(hrs): 0.00
         Curve Number: 88.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin


-------------------------------------------------------------------------------------------------
         Name: 13N0850B                Node: 13N0750P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.540                     Time Shift(hrs): 0.00
         Curve Number: 93.97              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-------------------------------------------------------------------------------------------------
         Name: 13N0900B                Node: 13N0900P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 7.370                     Time Shift(hrs): 0.00
         Curve Number: 85.21              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-------------------------------------------------------------------------------------------------
         Name: 13P0200B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.730                    Time Shift(hrs): 0.00
         Curve Number: 84.24              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P0400B                Node: 13P0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.110                      Time Shift(hrs): 0.00
         Curve Number: 83.44               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0500B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.800                     Time Shift(hrs): 0.00
         Curve Number: 80.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0501B                Node: 13P0501N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.530                      Time Shift(hrs): 0.00
         Curve Number: 88.37               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0502B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.580                      Time Shift(hrs): 0.00
         Curve Number: 87.84               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0800B                Node: 13P0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.760                      Time Shift(hrs): 0.00
         Curve Number: 87.02               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13P0900B                Node: 13P0900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.340                      Time Shift(hrs): 0.00
         Curve Number: 88.10               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13P0950B                Node: 13P0900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 48.00
            Area(ac): 9.780                     Time Shift(hrs): 0.00
         Curve Number: 87.86              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Changed Name from 13P0900B

-----------------------------------------------------------------------------------------------
         Name: 13P1000B                Node: 13P1000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 28.00
            Area(ac): 11.450                    Time Shift(hrs): 0.00
         Curve Number: 88.25              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1250B                Node: 13P1200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.190                     Time Shift(hrs): 0.00
         Curve Number: 88.79              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1300B                Node: 13P1300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.520                     Time Shift(hrs): 0.00
         Curve Number: 87.24              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1650B                Node: 13P1650N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.150                     Time Shift(hrs): 0.00
         Curve Number: 89.85              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1800B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
            Area(ac): 6.640                     Time Shift(hrs): 0.00
         Curve Number: 92.66              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1801B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.330                     Time Shift(hrs): 0.00
         Curve Number: 91.76              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P1810B                Node: 13P1810P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.050                    Time Shift(hrs): 0.00
         Curve Number: 89.91             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin / merge with smaller basins

-----------------------------------------------------------------------------------------------
         Name: 13P1814B                Node: 13P1814N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                  Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
            Area(ac): 5.080                     Time Shift(hrs): 0.00
         Curve Number: 95.15             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1826B                Node: PINEYRDG              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 34.00
            Area(ac): 18.470                    Time Shift(hrs): 0.00
         Curve Number: 91.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1900B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 20.00
            Area(ac): 25.900                    Time Shift(hrs): 0.00
         Curve Number: 96.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1901B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.910                     Time Shift(hrs): 0.00
         Curve Number: 87.54             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1902B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.840                     Time Shift(hrs): 0.00
         Curve Number: 95.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P1920B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.050                   Time Shift(hrs): 0.00
           Curve Number: 95.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P2010B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.910                   Time Shift(hrs): 0.00
           Curve Number: 84.50              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P2014B                 Node: PEARL                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.680                   Time Shift(hrs): 0.00
           Curve Number: 84.49              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P2050B                 Node: 13P2050N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
               Area(ac): 6.570                   Time Shift(hrs): 0.00
           Curve Number: 93.98              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P2250B                 Node: PEARL                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
               Area(ac): 49.850                  Time Shift(hrs): 0.00
           Curve Number: 93.50              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P2300B                 Node: 13P2300P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.980                   Time Shift(hrs): 0.00
           Curve Number: 91.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-------------------------------------------------------------------------------------------------
         Name: 13P2400B                 Node: 13P2400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 6.340                   Time Shift(hrs): 0.00
           Curve Number: 90.28              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New basin
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P2400BZ                Node: 13P2400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.370                      Time Shift(hrs): 0.00
         Curve Number: 93.36              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Krystals


--------------------------------------------------------------------------------------------------
         Name: 13P2600B                 Node: PRAIRIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 29.00
            Area(ac): 344.800                    Time Shift(hrs): 0.00
         Curve Number: 92.32              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2640B                 Node: 13P2640N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 8.490                      Time Shift(hrs): 0.00
         Curve Number: 90.78              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2645B                 Node: 13P2643N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.140                      Time Shift(hrs): 0.00
         Curve Number: 91.89              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2646B                 Node: 13P2644N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.110                     Time Shift(hrs): 0.00
         Curve Number: 93.16              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2648B                 Node: LPRAIRIE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 26.830                     Time Shift(hrs): 0.00
         Curve Number: 86.12              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P2660B                 Node: 13P2660P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
               Area(ac): 26.240                Time Shift(hrs): 0.00
           Curve Number: 82.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13P2661B                Node: 13P2661P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
               Area(ac): 29.890                Time Shift(hrs): 0.00
           Curve Number: 63.80             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13P2800B                Node: MALTBIE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
               Area(ac): 151.510               Time Shift(hrs): 0.00
           Curve Number: 88.80             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13P2900B                Node: PRAIRIE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
               Area(ac): 24.320                Time Shift(hrs): 0.00
           Curve Number: 87.91             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13P3400B                Node: 13P3400P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
               Area(ac): 15.470                Time Shift(hrs): 0.00
           Curve Number: 94.92             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13Q0500B                Node: 13Q0500N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
               Area(ac): 3.470                 Time Shift(hrs): 0.00
           Curve Number: 88.73             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13Q0820B                Node: 13Q0820P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
               Area(ac): 39.920                Time Shift(hrs): 0.00
           Curve Number: 88.61             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13Q0840B                 Node: 13Q0840P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.110                      Time Shift(hrs): 0.00
         Curve Number: 97.15               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q0860B                 Node: 13Q0860P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
            Area(ac): 12.660                     Time Shift(hrs): 0.00
         Curve Number: 59.10               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q0861B                 Node: 13Q0860P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.060                      Time Shift(hrs): 0.00
         Curve Number: 75.88               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q0870B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.130                     Time Shift(hrs): 0.00
         Curve Number: 91.75               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0875B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
            Area(ac): 5.110                      Time Shift(hrs): 0.00
         Curve Number: 88.23               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0880B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
            Area(ac): 7.830                      Time Shift(hrs): 0.00
         Curve Number: 85.81               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0885B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
```

```
              Area(ac): 9.020                  Time Shift(hrs): 0.00
           Curve Number: 86.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13Q0895B                 Node: GRASSY                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
              Area(ac): 2.780                  Time Shift(hrs): 0.00
           Curve Number: 84.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin


-----------------------------------------------------------------------------------------------
         Name: 13Q0924B                 Node: 13Q0924P              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
              Area(ac): 5.050                  Time Shift(hrs): 0.00
           Curve Number: 88.68              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0940B                 Node: 13Q0940P              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 4.950                  Time Shift(hrs): 0.00
           Curve Number: 89.16              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q1100B                 Node: 13Q0820P              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 2.210                  Time Shift(hrs): 0.00
           Curve Number: 90.49              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q1300B                 Node: 13Q0924P              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 0.810                  Time Shift(hrs): 0.00
           Curve Number: 90.30              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q1600B                 Node: 13Q0924P              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 3.310                  Time Shift(hrs): 0.00
           Curve Number: 92.77              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13Q1900B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 59.00
            Area(ac): 27.530                    Time Shift(hrs): 0.00
        Curve Number: 85.98               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q2290B                 Node: 13Q2290P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
            Area(ac): 20.710                    Time Shift(hrs): 0.00
        Curve Number: 69.77               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: 13Q2300B                 Node: 13Q2300P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.550                    Time Shift(hrs): 0.00
        Curve Number: 94.32               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND10_B                 Node: POND10                 Status: Onsite
       Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
            Area(ac): 3.171                     Time Shift(hrs): 0.00
        Curve Number: 90.79               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND2_B                  Node: POND2                  Status: Onsite
       Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
            Area(ac): 11.653                    Time Shift(hrs): 0.00
        Curve Number: 84.20               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND5                    Node: POND5                  Status: Onsite
       Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 23.300                    Time Shift(hrs): 0.00
        Curve Number: 87.63               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND7_B                  Node: POND7                  Status: Onsite
       Group: Scenario1                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
```

```
              Area(ac): 33.500                 Time Shift(hrs): 0.00
          Curve Number: 89.35              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------------
         Name: WTRSPRGS                 Node: 13A2900N              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 10.00
              Area(ac): 18.580                  Time Shift(hrs): 0.00
          Curve Number: 82.14              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


=====================================================================================
==== Nodes ==========================================================================
=====================================================================================

      Name: 12-01-02            Base Flow(cfs): 0.000          Init Stage(ft): 9.390
     Group: 12                                                 Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00           9.390
         999.00           9.390

-------------------------------------------------------------------------------------
      Name: 13A0100N            Base Flow(cfs): 0.300          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         11.050          0.8140
         13.950          1.1630

-------------------------------------------------------------------------------------
      Name: 13A0300N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          4.650          0.0000
          6.150          0.0010
          6.450          0.0200
          9.150          0.0390
         10.350          0.0800
         10.360          0.3430
         14.050          0.4680
         15.450          0.6060

-------------------------------------------------------------------------------------
      Name: 13A0500N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 22.780
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          6.150          0.0000
          6.450          0.0190
          9.150          0.0360
         11.550          0.1120
         14.050          0.1880
         15.450          0.3140

-------------------------------------------------------------------------------------
      Name: 13A0600N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 9.750
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A0725N Base Flow(cfs): 0.000 Init Stage(ft): 13.880
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A0735P Base Flow(cfs): 0.000 Init Stage(ft): 18.970
Group: 13A Warn Stage(ft): 24.950
Type: Stage/Area

Stage(ft)	Area(ac)
14.450	0.5900
18.950	0.8500
24.950	1.4900
26.950	1.4900

Name: 13A0800N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 9.650
Type: Stage/Area

Stage(ft)	Area(ac)
10.750	0.2440
13.950	0.3900
18.950	0.3900

Name: 13A0820P Base Flow(cfs): 0.000 Init Stage(ft): 21.950
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
20.650	0.5000
20.950	1.0000
23.950	2.0000
24.950	2.1000

Name: 13A0900N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 11.650
Type: Stage/Area

Stage(ft)	Area(ac)
12.150	0.0000
13.950	0.1980
18.950	0.1980

Name: 13A0950N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1000N Base Flow(cfs): 0.000 Init Stage(ft): 9.810
Group: 13A Warn Stage(ft): 12.550
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1100N Base Flow(cfs): 0.000 Init Stage(ft): 11.310
Group: 13A Warn Stage(ft): 18.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1300N Base Flow(cfs): 0.000 Init Stage(ft): 11.330
Group: 13A Warn Stage(ft): 14.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1400N Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: 13A Warn Stage(ft): 22.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1600N Base Flow(cfs): 0.000 Init Stage(ft): 14.280
Group: 13A Warn Stage(ft): 20.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1700N Base Flow(cfs): 0.000 Init Stage(ft): 16.470
Group: 13A Warn Stage(ft): 19.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1800N Base Flow(cfs): 0.000 Init Stage(ft): 17.310
Group: 13A Warn Stage(ft): 21.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

```
      Name: 13A1900N            Base Flow(cfs): 0.000          Init Stage(ft): 19.060
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2100N            Base Flow(cfs): 0.000          Init Stage(ft): 20.430
     Group: 13A                                                Warn Stage(ft): 25.290
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.290          0.0000
         25.950          0.3160

-------------------------------------------------------------------------------------
      Name: 13A2200N            Base Flow(cfs): 0.000          Init Stage(ft): 21.200
     Group: 13A                                                Warn Stage(ft): 26.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2220P            Base Flow(cfs): 0.000          Init Stage(ft): 30.330
     Group: 13A                                                Warn Stage(ft): 32.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         23.950          1.2700
         32.550          2.8500
         33.950          2.8500

-------------------------------------------------------------------------------------
      Name: 13A2300N            Base Flow(cfs): 0.000          Init Stage(ft): 22.590
     Group: 13A                                                Warn Stage(ft): 28.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2350N            Base Flow(cfs): 0.000          Init Stage(ft): 22.630
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2400N            Base Flow(cfs): 0.000          Init Stage(ft): 24.040
     Group: 13A                                                Warn Stage(ft): 30.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         30.650          0.0000
         30.950          0.3000
         31.950          0.5000
         32.950          0.6500
```

Name: 13A2600N Base Flow(cfs): 0.000 Init Stage(ft): 24.190
Group: 13A Warn Stage(ft): 30.250
Type: Stage/Area

Stage(ft)	Area(ac)
30.250	0.5000
30.950	1.1000
31.950	1.4000

Name: 13A2750N Base Flow(cfs): 0.000 Init Stage(ft): 26.080
Group: 13A Warn Stage(ft): 26.950
Type: Stage/Area

Stage(ft)	Area(ac)
26.950	0.4300
27.950	1.5900
28.950	2.7500
30.950	6.1800
32.950	10.8600
33.950	14.8200

Name: 13A2800N Base Flow(cfs): 0.000 Init Stage(ft): 30.070
Group: 13A Warn Stage(ft): 32.250
Type: Stage/Area

Stage(ft)	Area(ac)
34.250	0.0000
34.950	3.6500

Name: 13A2820P Base Flow(cfs): 0.000 Init Stage(ft): 31.380
Group: 13A Warn Stage(ft): 36.650
Type: Stage/Area

Stage(ft)	Area(ac)
29.950	2.8500
36.650	4.1300
36.950	4.8800
38.950	4.8800

Name: 13A2900N Base Flow(cfs): 0.000 Init Stage(ft): 33.100
Group: 13A Warn Stage(ft): 36.950
Type: Stage/Area

Stage(ft)	Area(ac)
33.950	0.2800
34.950	1.2200
35.950	3.8700
36.950	7.5700
38.950	16.3700

Name: 13A3000N Base Flow(cfs): 0.000 Init Stage(ft): 33.470
Group: 13A Warn Stage(ft): 36.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.150	0.0000
36.950	1.3500
38.950	7.6200

Name: 13A3200N Base Flow(cfs): 0.000 Init Stage(ft): 33.490
Group: 13A Warn Stage(ft): 36.510
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3300N Base Flow(cfs): 0.000 Init Stage(ft): 33.990
Group: 13A Warn Stage(ft): 37.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3320P Base Flow(cfs): 0.000 Init Stage(ft): 36.450
Group: 13A Warn Stage(ft): 41.450
Type: Stage/Area

Stage(ft)	Area(ac)
36.450	0.0000
36.950	0.0800
38.950	0.1300
43.950	0.7200

Name: 13A3400N Base Flow(cfs): 0.000 Init Stage(ft): 34.570
Group: 13A Warn Stage(ft): 36.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3420P Base Flow(cfs): 0.000 Init Stage(ft): 46.950
Group: 13A Warn Stage(ft): 48.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	0.7200
46.950	1.1200
46.960	1.5600
47.950	2.1500
48.950	3.1500
49.950	4.6000
50.950	7.9000

Name: 13A3440P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.650
Type: Stage/Area

Stage(ft)	Area(ac)
47.450	0.0000
47.950	0.0300
48.950	0.8500
49.950	1.3000
50.950	1.8000

Name: 13A3600N Base Flow(cfs): 0.000 Init Stage(ft): 35.040
Group: 13A Warn Stage(ft): 40.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3700N Base Flow(cfs): 0.000 Init Stage(ft): 35.880
Group: 13A Warn Stage(ft): 38.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3900N Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.350
Type: Stage/Area

Stage(ft)	Area(ac)
39.750	0.1290
39.850	0.1290
39.950	0.5600
43.950	0.5600

Name: 13A3910P Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.950	0.0000
37.950	0.4485
38.950	0.5576
39.950	0.7221
40.950	0.8862
41.950	1.0839
42.950	1.2615
43.950	1.4984

Name: 13A3920P Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 41.450
Type: Stage/Area

Stage(ft)	Area(ac)
39.950	3.2500
40.950	3.6092
41.950	5.8554
42.950	6.8624
43.950	7.8317

Name: 13A3930N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 43.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
43.850	0.0100
43.950	0.1000
44.950	0.2000
45.950	0.6000

Name: 13A3940N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 45.550

Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
45.850	0.0100
45.950	0.1000
46.950	0.2500
47.950	0.7000

Name: 13A3950N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A3952P Base Flow(cfs): 0.000 Init Stage(ft): 44.260
Group: 13A Warn Stage(ft): 46.950
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	2.3000
44.950	2.6500
46.650	3.0670
46.950	7.3450
47.950	11.6430
48.950	14.9400

Name: 13A3954P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.250
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	1.1000
50.950	2.5000
53.950	6.0000

Name: 13A3960P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 56.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3962P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 62.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3980N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 46.250
Type: Stage/Area

Stage(ft)	Area(ac)

-1.050	0.0100
98.940	0.0100

Name: 13A3990P Base Flow(cfs): 0.000 Init Stage(ft): 41.590
Group: 13A Warn Stage(ft): 45.750
Type: Stage/Area

Stage(ft)	Area(ac)
40.950	1.8300
41.950	2.0800
42.950	2.3511
43.950	2.6625
44.950	2.8802
45.950	3.3825
46.950	4.6047
47.950	6.0732
48.950	8.6541

Name: 13A4000N Base Flow(cfs): 0.000 Init Stage(ft): 38.190
Group: 13A Warn Stage(ft): 38.750
Type: Stage/Area

Stage(ft)	Area(ac)
39.150	0.0000
39.850	1.3230
39.950	1.7510
41.250	1.9400
41.450	2.0520
43.950	2.0520

Name: 13A4100N Base Flow(cfs): 0.000 Init Stage(ft): 38.420
Group: 13A Warn Stage(ft): 43.050
Type: Stage/Area

Stage(ft)	Area(ac)
40.150	0.4330
43.740	0.4330
43.750	0.7880
43.950	0.7880

Name: 13A4120P Base Flow(cfs): 0.000 Init Stage(ft): 38.810
Group: 13A Warn Stage(ft): 42.150
Type: Stage/Area

Stage(ft)	Area(ac)
37.950	1.2600
38.950	1.4600
39.950	1.6923
40.950	1.9577
41.950	2.2578
42.950	2.5742
43.950	2.6573
44.950	2.7908
44.960	4.1292

Name: 13A4200N Base Flow(cfs): 0.000 Init Stage(ft): 39.200
Group: 13A Warn Stage(ft): 42.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.350	0.6360
48.950	0.6360

```
      Name: 13A4300N            Base Flow(cfs): 0.000          Init Stage(ft): 40.470
     Group: 13A                                                Warn Stage(ft): 40.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         44.950          2.3400
         47.250          3.4530
         47.950          3.7100
         48.950          3.8700

-------------------------------------------------------------------------------------
      Name: 13A4400N            Base Flow(cfs): 0.000          Init Stage(ft): 41.330
     Group: 13A                                                Warn Stage(ft): 43.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         45.750          0.3060
         48.950          0.3060

-------------------------------------------------------------------------------------
      Name: 13A4600N            Base Flow(cfs): 0.000          Init Stage(ft): 41.460
     Group: 13A                                                Warn Stage(ft): 45.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         45.350          0.0000
         47.950          1.4000

-------------------------------------------------------------------------------------
      Name: 13A4700N            Base Flow(cfs): 0.000          Init Stage(ft): 42.170
     Group: 13A                                                Warn Stage(ft): 43.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         43.950          0.0000
         44.950          1.0000
         48.950          3.0000

-------------------------------------------------------------------------------------
      Name: 13A4800N            Base Flow(cfs): 0.000          Init Stage(ft): 42.520
     Group: 13A                                                Warn Stage(ft): 47.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A5000N            Base Flow(cfs): 0.000          Init Stage(ft): 42.750
     Group: 13A                                                Warn Stage(ft): 47.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         41.850          0.0010
         48.150          0.4500
         48.950          0.4500

-------------------------------------------------------------------------------------
      Name: 13A5050N            Base Flow(cfs): 0.000          Init Stage(ft): 43.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
```

```
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A5100N            Base Flow(cfs): 0.000          Init Stage(ft): 43.970
     Group: 13A                                                Warn Stage(ft): 48.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A5200N            Base Flow(cfs): 0.000          Init Stage(ft): 44.330
     Group: 13A                                                Warn Stage(ft): 49.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A5300N            Base Flow(cfs): 0.000          Init Stage(ft): 44.480
     Group: 13A                                                Warn Stage(ft): 51.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A5320P            Base Flow(cfs): 0.000          Init Stage(ft): 46.850
     Group: 13A                                                Warn Stage(ft): 51.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         46.850          0.1100
         51.950          0.2200

-----------------------------------------------------------------------------------------
      Name: 13A5400N            Base Flow(cfs): 0.000          Init Stage(ft): 45.050
     Group: 13A                                                Warn Stage(ft): 51.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A5500N            Base Flow(cfs): 0.000          Init Stage(ft): 45.660
     Group: 13A                                                Warn Stage(ft): 55.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A5600N            Base Flow(cfs): 0.000          Init Stage(ft): 46.740
     Group: 13A                                                Warn Stage(ft): 53.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500
```

Name: 13A5800N Base Flow(cfs): 0.000 Init Stage(ft): 47.740
Group: 13A Warn Stage(ft): 52.350
Type: Stage/Area

Stage(ft)	Area(ac)
47.050	0.0130
47.750	0.0460
47.850	0.0640
50.250	0.0850
52.350	0.1280
52.950	0.2150
57.950	0.2150

Name: 13A6000P Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	9.3896
50.950	13.5071
51.950	15.3268
52.950	21.9502
53.950	30.0563
54.950	39.7569

Name: 13B0200N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13B0400N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 17.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0500N Base Flow(cfs): 0.000 Init Stage(ft): 15.450
Group: 13B Warn Stage(ft): 18.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0600N Base Flow(cfs): 0.000 Init Stage(ft): 19.650
Group: 13B Warn Stage(ft): 22.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0100N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13C Warn Stage(ft): 13.250

Type: Stage/Area

Stage(ft)	Area(ac)
13.250	0.0000
13.950	0.5000
14.950	0.7000
15.950	1.1000

Name: 13C0200N Base Flow(cfs): 0.000 Init Stage(ft): 9.090
Group: 13C Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0300N Base Flow(cfs): 0.000 Init Stage(ft): 10.210
Group: 13C Warn Stage(ft): 15.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0500N Base Flow(cfs): 0.000 Init Stage(ft): 10.520
Group: 13C Warn Stage(ft): 14.350
Type: Stage/Area

Stage(ft)	Area(ac)
9.270	0.0010
14.350	0.0700
14.950	0.4300
15.950	0.7400
16.950	1.4270
17.950	1.6290
18.950	1.7910

Name: 13C0600N Base Flow(cfs): 0.000 Init Stage(ft): 10.550
Group: 13C Warn Stage(ft): 15.850
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0520
16.550	0.7510
16.950	1.2440
17.550	1.7030
17.950	2.2310
18.950	3.4580

Name: 13C0800N Base Flow(cfs): 0.000 Init Stage(ft): 13.490
Group: 13C Warn Stage(ft): 17.550
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0110
16.550	0.3220
16.950	0.5570
17.550	0.8950
17.950	1.3420
18.950	2.4070

```
-------------------------------------------------------------------------------------------
      Name: 13C1000N            Base Flow(cfs): 0.000          Init Stage(ft): 13.490
     Group: 13C                                                Warn Stage(ft): 17.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         17.750          0.0000
         18.950          0.2400
         19.950          0.4000

-------------------------------------------------------------------------------------------
      Name: 13C1100N            Base Flow(cfs): 0.000          Init Stage(ft): 15.320
     Group: 13C                                                Warn Stage(ft): 20.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1200N            Base Flow(cfs): 0.000          Init Stage(ft): 20.840
     Group: 13C                                                Warn Stage(ft): 25.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1300N            Base Flow(cfs): 0.700          Init Stage(ft): 22.650
     Group: 13C                                                Warn Stage(ft): 25.130
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.130          0.0000
         26.950          1.6000

-------------------------------------------------------------------------------------------
      Name: 13C1350N            Base Flow(cfs): 0.000          Init Stage(ft): 24.110
     Group: 13C                                                Warn Stage(ft): 25.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.950          0.0000
         26.950          2.8000
         27.950          5.9000
         28.950          8.5000

-------------------------------------------------------------------------------------------
      Name: 13C1400N            Base Flow(cfs): 0.000          Init Stage(ft): 25.550
     Group: 13C                                                Warn Stage(ft): 28.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1500N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
```

```
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1700N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1800N            Base Flow(cfs): 0.000          Init Stage(ft): 27.130
     Group: 13C                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1850N            Base Flow(cfs): 0.000          Init Stage(ft): 27.470
     Group: 13C                                                Warn Stage(ft): 31.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C1900N            Base Flow(cfs): 0.000          Init Stage(ft): 27.910
     Group: 13C                                                Warn Stage(ft): 31.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C2000N            Base Flow(cfs): 0.000          Init Stage(ft): 30.740
     Group: 13C                                                Warn Stage(ft): 34.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13C2200P            Base Flow(cfs): 0.500          Init Stage(ft): 30.750
     Group: 13C                                                Warn Stage(ft): 33.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         29.950          0.7000
         31.950          0.7895
         32.950          1.8869
         33.950          2.6738
         34.950          3.4960
         35.950          4.3545
         36.950          5.2521

-------------------------------------------------------------------------------------------
      Name: 13C2400P            Base Flow(cfs): 0.000          Init Stage(ft): 30.980
     Group: 13C                                                Warn Stage(ft): 35.480
      Type: Stage/Area
```

Stage(ft)	Area(ac)
30.950	11.0360
33.950	11.0360
36.950	11.0360

Name: 13D0150N Base Flow(cfs): 0.000 Init Stage(ft): 27.700
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0000
32.950	0.6400

Name: 13D0170P Base Flow(cfs): 0.000 Init Stage(ft): 29.480
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
28.950	0.8360
29.950	0.8472
30.950	0.9339
31.950	1.2313
35.450	4.7310
38.950	8.2310

Name: 13D0200N Base Flow(cfs): 0.000 Init Stage(ft): 29.250
Group: 13D Warn Stage(ft): 34.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0310N Base Flow(cfs): 0.000 Init Stage(ft): 32.800
Group: 13D Warn Stage(ft): 38.350
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0100
38.350	0.0100
38.450	0.0500
41.450	0.0500

Name: 13D0330N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)
32.950	0.0100
38.370	0.0100
38.450	0.0500
98.940	0.0500

Name: 13D0400N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)

-100.050	0.0500
97.950	0.0500

Name: 13D0500N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0700N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.180
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0750N Base Flow(cfs): 0.000 Init Stage(ft): 37.050
Group: 13D Warn Stage(ft): 44.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0800N Base Flow(cfs): 0.000 Init Stage(ft): 38.850
Group: 13D Warn Stage(ft): 45.550
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13F0200N Base Flow(cfs): 0.000 Init Stage(ft): 45.420
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0010
97.950	0.0010

Name: 13F0400P Base Flow(cfs): 0.900 Init Stage(ft): 45.910
Group: 13F Warn Stage(ft): 47.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.050	5.0000
45.550	34.1719
45.950	37.9688
46.950	45.6319
47.950	57.2392
48.950	63.7791
49.950	71.0000

Name: 13F0410P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.950	0.0300
45.950	0.1000
47.950	0.3600
48.950	0.5400
50.950	0.9900
51.950	1.0560

Name: 13F0420P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13F Warn Stage(ft): 51.550
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.3900
48.950	1.3700
51.950	4.2500

Name: 13F0430P Base Flow(cfs): 0.000 Init Stage(ft): 49.150
Group: 13F Warn Stage(ft): 52.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	2.9103
46.950	4.2532
47.950	5.4562
48.950	6.5284
49.950	7.4958
50.950	8.4129
52.950	8.5000

Name: 13F0440P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1700
44.950	0.2700
50.950	0.9800
51.950	1.0000

Name: 13F0450P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1100
44.950	0.1800
50.950	0.6000
51.950	0.6000

Name: 13F0700N Base Flow(cfs): 0.000 Init Stage(ft): 49.910
Group: 13F Warn Stage(ft): 50.580
Type: Stage/Area

Stage(ft)	Area(ac)
49.910	0.0000
49.950	0.0340
50.950	1.1480
51.950	1.5000
52.950	4.3600

```
      Name: 13F0750N            Base Flow(cfs): 0.000          Init Stage(ft): 52.950
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         52.950          0.4000
         53.950          1.0000
         54.950          1.5000

-------------------------------------------------------------------------------------------
      Name: 13F0800N            Base Flow(cfs): 0.000          Init Stage(ft): 53.250
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13F1000P            Base Flow(cfs): 0.000          Init Stage(ft): 54.300
     Group: 13F                                                Warn Stage(ft): 56.800
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         51.150          0.0000
         51.950          6.5452
         52.950         11.3772
         53.950         14.4116
         54.950         18.2470
         55.950         23.1050

-------------------------------------------------------------------------------------------
      Name: 13F1154P            Base Flow(cfs): 0.000          Init Stage(ft): 62.950
     Group: 13F                                                Warn Stage(ft): 66.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13F1158P            Base Flow(cfs): 0.000          Init Stage(ft): -1.050
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13F1300P            Base Flow(cfs): 0.000          Init Stage(ft): 53.250
     Group: 13F                                                Warn Stage(ft): 55.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         51.950          2.0500
         55.950          3.6600
         56.950          3.6600

-------------------------------------------------------------------------------------------
      Name: 13F1374P            Base Flow(cfs): 0.000          Init Stage(ft): 60.150
     Group: 13F                                                Warn Stage(ft): 65.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
```

60.150	0.0100
60.950	0.1824
61.950	0.2081
62.950	0.2463
63.950	0.3243
64.950	0.8000
65.950	1.1700

Name: 13F1378P Base Flow(cfs): 0.000 Init Stage(ft): 58.950
Group: 13F Warn Stage(ft): 65.750
Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.8500
66.450	1.5700

Name: 13G0100N Base Flow(cfs): 0.000 Init Stage(ft): 43.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0200N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0400N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 50.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0500N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 48.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0600N Base Flow(cfs): 0.000 Init Stage(ft): 45.450
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G1200P Base Flow(cfs): 0.000 Init Stage(ft): 45.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
45.750	16.0900
45.950	16.9367
46.950	21.3324
47.950	24.3803
48.950	26.7851
49.950	29.2399
50.950	30.7917

Name: 13G2000N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G2100N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	0.0800
46.950	0.1100
48.950	0.2600

Name: 13H0150P Base Flow(cfs): 0.000 Init Stage(ft): 53.990
Group: 13H Warn Stage(ft): 61.050
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	1.2000
60.050	1.2000
60.950	1.3000
61.950	1.4000

Name: 13H0350P Base Flow(cfs): 0.000 Init Stage(ft): 54.520
Group: 13H Warn Stage(ft): 60.050
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	1.6000
59.250	1.6000
59.950	1.7000
60.950	1.8000

Name: 13I0300N Base Flow(cfs): 0.000 Init Stage(ft): 50.250
Group: 13I Warn Stage(ft): 57.320
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0400N Base Flow(cfs): 0.000 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0610P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13I Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.0520
52.950	0.2100
59.950	0.4790
60.950	0.5000

Name: 13I0620P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13I Warn Stage(ft): 60.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.5680
52.950	1.0050
58.950	1.5610
62.950	2.1940

Name: 13I0700N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0900N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 61.400
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1000N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1500P Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 65.250
Type: Stage/Area

Stage(ft)	Area(ac)
54.450	0.1130
64.450	0.8860
65.950	1.0530
68.950	9.2500

Name: 13I1502N Base Flow(cfs): 0.000 Init Stage(ft): 57.950

```
     Group: 13I                                                Warn Stage(ft): 63.380
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         54.850          0.0100
         63.380          0.0100
         64.550          0.4590
         65.950          0.7810

-------------------------------------------------------------------------------------
      Name: 13I1504N            Base Flow(cfs): 0.000         Init Stage(ft): 57.950
     Group: 13I                                                Warn Stage(ft): 63.780
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         55.350          0.0100
         63.780          0.0100
         65.650          1.0080

-------------------------------------------------------------------------------------
      Name: 13I1506N            Base Flow(cfs): 0.000         Init Stage(ft): 58.750
     Group: 13I                                                Warn Stage(ft): 65.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         58.750          0.0100
         65.050          0.0100
         66.050          0.3880

-------------------------------------------------------------------------------------
      Name: 13I1508N            Base Flow(cfs): 0.000         Init Stage(ft): 58.750
     Group: 13I                                                Warn Stage(ft): 65.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         58.750          0.0100
         65.050          0.0100
         66.050          0.0100

-------------------------------------------------------------------------------------
      Name: 13I1510N            Base Flow(cfs): 0.000         Init Stage(ft): 59.550
     Group: 13I                                                Warn Stage(ft): 65.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         59.550          0.0100
         65.650          0.0100
         68.150          0.2760

-------------------------------------------------------------------------------------
      Name: 13I1512N            Base Flow(cfs): 0.000         Init Stage(ft): 60.050
     Group: 13I                                                Warn Stage(ft): 65.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         60.050          0.0100
         65.650          0.0100
         68.150          0.2760

-------------------------------------------------------------------------------------
      Name: 13I1514P            Base Flow(cfs): 0.000         Init Stage(ft): 61.100
     Group: 13I                                                Warn Stage(ft): 65.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
```

60.950	0.5000
63.950	0.5000
64.950	3.0000
65.950	8.7500
68.950	17.6000

Name: 13J0300N Base Flow(cfs): 0.000 Init Stage(ft): 57.970
Group: 13J Warn Stage(ft): 61.970
Type: Stage/Area

Stage(ft)	Area(ac)
57.880	0.0100
58.750	0.0290
59.700	0.0420
60.450	0.0570
61.150	0.1310
61.350	0.2640
62.050	0.5020
64.550	0.6060

Name: 13J0320N Base Flow(cfs): 0.000 Init Stage(ft): 59.300
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0340N Base Flow(cfs): 0.000 Init Stage(ft): 60.590
Group: 13J Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0360N Base Flow(cfs): 0.000 Init Stage(ft): 61.560
Group: 13J Warn Stage(ft): 66.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0400N Base Flow(cfs): 0.000 Init Stage(ft): 66.050
Group: 13J Warn Stage(ft): 72.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0600N Base Flow(cfs): 0.000 Init Stage(ft): 69.260
Group: 13J Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J0640N Base Flow(cfs): 0.000 Init Stage(ft): 70.280
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J0680N Base Flow(cfs): 0.000 Init Stage(ft): 70.610
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0700N Base Flow(cfs): 0.000 Init Stage(ft): 71.340
Group: 13J Warn Stage(ft): 75.030
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
75.030	0.0100
75.650	0.1000
76.050	0.1000
77.950	0.1000

Name: 13J0800N Base Flow(cfs): 0.000 Init Stage(ft): 71.360
Group: 13J Warn Stage(ft): 76.250
Type: Stage/Area

Stage(ft)	Area(ac)
76.550	0.0000
76.950	0.2000
77.050	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J0900N Base Flow(cfs): 0.000 Init Stage(ft): 72.010
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.350	0.0000
76.250	0.1130
76.950	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J1000N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.2100
77.950	0.7400
78.950	1.4250

Name: 13J1100N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150

Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.0000
77.950	0.5300
78.950	1.2150

Name: 13J1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.430
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6950
77.950	1.0450
78.950	1.2300

Name: 13J1400N Base Flow(cfs): 0.000 Init Stage(ft): 72.710
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6050
77.450	0.6050
77.950	0.9550
78.950	1.1350

Name: 13J1600N Base Flow(cfs): 0.000 Init Stage(ft): 73.180
Group: 13J Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
75.950	0.7200
76.850	2.0050
76.950	2.2980
77.950	3.4880
78.950	3.8880

Name: 13J1800N Base Flow(cfs): 0.000 Init Stage(ft): 73.430
Group: 13J Warn Stage(ft): 76.950
Type: Stage/Area

Stage(ft)	Area(ac)
76.350	0.0000
76.950	0.1100
77.950	0.9600
78.950	1.6600

Name: 13J1820P Base Flow(cfs): 0.000 Init Stage(ft): 77.250
Group: 13J Warn Stage(ft): 82.050
Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.4540
81.900	0.7690
81.950	1.1000
83.950	1.1000

Name: 13J1900N Base Flow(cfs): 0.000 Init Stage(ft): 75.490
Group: 13J Warn Stage(ft): 81.750
Type: Stage/Area

Stage(ft)	Area(ac)
81.750	0.0000
81.950	0.1700
83.950	0.1700

Name: 13J2100N Base Flow(cfs): 0.000 Init Stage(ft): 75.950
Group: 13J Warn Stage(ft): 82.260
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J2200P Base Flow(cfs): 0.400 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 78.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	2.1463
76.950	3.2227
77.950	6.2411
78.950	9.0181
79.950	14.3004
80.950	21.6171
81.950	30.9448
82.950	41.4538

Name: 13J2220P Base Flow(cfs): 0.000 Init Stage(ft): 79.120
Group: 13J Warn Stage(ft): 84.150
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	1.0000
81.950	1.9285
82.950	4.1445
83.950	8.6075

Name: 13J2221P Base Flow(cfs): 0.000 Init Stage(ft): 85.950
Group: 13J Warn Stage(ft): 87.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.0000
85.950	1.7100
86.950	2.1257
87.450	2.3027
88.950	2.5800

Name: 13J2222P Base Flow(cfs): 0.000 Init Stage(ft): 86.950
Group: 13J Warn Stage(ft): 89.200
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.0000
86.950	0.4700
88.950	0.9888
89.950	1.2454

Name: 13J2231N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J2232N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 81.450
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J2233P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13J Warn Stage(ft): 81.850
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0500
81.950	1.3535
82.950	3.1984
83.950	9.1738
84.950	9.3700

Name: 13J2234P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13J Warn Stage(ft): 83.450
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	0.3000
80.950	0.5463
82.950	0.9591
83.950	2.7988
84.950	8.0000

Name: 13K0250N Base Flow(cfs): 0.000 Init Stage(ft): 54.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.340
Group: 13K Warn Stage(ft): 60.670
Type: Stage/Area

Stage(ft)	Area(ac)
55.050	0.0100
55.950	0.0100
56.950	0.0110
59.450	0.0920
59.950	0.1280
60.950	0.2800
61.950	0.9700

Name: 13K0550N Base Flow(cfs): 0.000 Init Stage(ft): 56.510
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0650N Base Flow(cfs): 0.000 Init Stage(ft): 58.590
Group: 13K Warn Stage(ft): 64.350
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.750	0.0100
62.950	0.1000
63.950	0.1700
64.450	0.5700

Name: 13K0750N Base Flow(cfs): 0.000 Init Stage(ft): 58.790
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.710	0.0100
62.750	0.1230
63.950	0.3020
64.950	4.1610
65.950	4.5770

Name: 13K0820N Base Flow(cfs): 0.000 Init Stage(ft): 59.510
Group: 13K Warn Stage(ft): 62.630
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.630	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0860N Base Flow(cfs): 0.000 Init Stage(ft): 59.540
Group: 13K Warn Stage(ft): 62.120
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.120	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0900P Base Flow(cfs): 0.000 Init Stage(ft): 61.070
Group: 13K Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.2257

60.950	0.2973
61.950	0.6281
62.950	0.8540
63.950	1.6958
64.950	2.1400
65.950	2.6800
66.950	3.1500
67.950	3.4200
68.950	4.0500

Name: 13K1100N Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.180	0.0100
68.950	0.1700

Name: 13K1150P Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
59.450	0.0100
59.950	0.1100
60.950	0.1446
61.950	0.2066
62.950	0.2778
68.950	3.2700

Name: 13K1300N Base Flow(cfs): 0.000 Init Stage(ft): 59.560
Group: 13K Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	0.0800
68.950	0.6890

Name: 13K1500N Base Flow(cfs): 0.000 Init Stage(ft): 71.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K1600N Base Flow(cfs): 0.000 Init Stage(ft): 72.510
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K1750N Base Flow(cfs): 0.000 Init Stage(ft): 72.610
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.460	0.0100

75.350	0.0100
75.450	0.0570
75.710	0.1150
78.950	0.1150

Name: 13K2000N Base Flow(cfs): 0.000 Init Stage(ft): 78.690
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K2240P Base Flow(cfs): 0.000 Init Stage(ft): 78.950
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	1.0000
83.950	1.0000

Name: 13K3050P Base Flow(cfs): 0.000 Init Stage(ft): 77.900
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.1532
77.950	5.4391
78.950	8.6887

Name: 13K3200P Base Flow(cfs): 0.000 Init Stage(ft): 79.550
Group: 13K Warn Stage(ft): 81.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.450	0.0100
78.940	0.0227
78.950	0.4151
81.950	0.5046
83.950	0.5046

Name: 13K4050P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.8514
77.950	8.4933
78.950	10.6000

Name: 13K4200P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	1.2016
81.950	2.8369
82.950	5.7521
83.950	7.2505

Name: 13K4400P Base Flow(cfs): 0.000 Init Stage(ft): 79.290
Group: 13K Warn Stage(ft): 82.150
Type: Stage/Area

Stage(ft)	Area(ac)
79.290	0.7500
81.950	0.7500
83.950	0.7500

Name: 13L0020N Base Flow(cfs): 0.000 Init Stage(ft): 51.850
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L0040P Base Flow(cfs): 0.000 Init Stage(ft): 51.950
Group: 13L Warn Stage(ft): 53.230
Type: Stage/Area

Stage(ft)	Area(ac)
51.150	1.4980
51.950	12.5760
52.950	13.5500
53.950	16.1207
54.950	20.8151

Name: 13L0200N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 54.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L0400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 54.850
Type: Stage/Area

Stage(ft)	Area(ac)
49.430	0.0500
999.000	0.0500

Name: 13L0820P Base Flow(cfs): 0.000 Init Stage(ft): 50.950
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	0.0000
50.950	0.8548
51.950	1.1475
52.950	1.6059
53.950	2.1582
54.950	3.3576
55.950	4.4817

Name: 13L1020P Base Flow(cfs): 0.000 Init Stage(ft): 53.450
Group: 13L Warn Stage(ft): 56.350

Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
50.260	0.0010
50.760	0.0560
51.260	0.1290
51.760	0.4990
52.260	1.1780
52.760	2.1130
53.260	2.7390
53.760	3.1550
54.260	3.4400
54.760	3.7380
55.260	4.0890
55.760	4.4790
56.260	4.9450
56.760	5.4050
57.260	5.8880
57.760	6.5800
58.260	7.4980
58.760	8.3380
59.260	9.1140
59.760	9.8470
60.260	10.5020
60.760	11.1290
61.260	11.7360
61.760	12.3280
62.260	12.7860
62.760	13.3600
63.260	13.9480
63.760	14.5660
64.260	15.2020
64.760	15.8820
65.260	16.4940
65.760	17.0450
66.260	17.5400
66.760	18.0460
67.260	18.6000
67.760	19.1470
68.260	19.8050
68.760	20.4530
69.260	21.1690
69.760	21.7490
70.260	22.1480
70.760	22.5270
71.260	22.8650
71.760	23.3240
72.260	23.6930
72.760	24.0750
73.260	24.4160
73.760	24.6960
74.260	24.9670
74.760	25.2260
75.260	25.5170
75.760	25.7360
76.260	25.8610
76.760	26.0320
77.260	26.1200
77.760	26.2110
78.260	26.2900
78.760	26.3680
79.260	26.3940
79.760	26.4300
80.260	26.4740
80.760	26.5420
81.460	26.5620
91.460	26.5620

Name: 13L1202N Base Flow(cfs): 0.000 Init Stage(ft): 58.000
Group: 13N Warn Stage(ft): 61.000
Type: Stage/Area

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Stage(ft)	Area(ac)
55.000	0.1600
60.000	0.5300
60.610	0.6180
61.110	1.0300
61.610	1.4080

62.110	1.6170
62.610	1.8140
63.110	2.0440
63.610	2.2530
64.110	2.4780
64.610	2.7620
65.110	3.0250
65.610	3.1920
66.110	3.3600
66.610	3.5490
67.110	3.7470
67.610	4.1330
68.110	4.4300
68.610	4.7790
69.110	5.1600
69.610	5.5520
70.110	6.0120
70.610	6.4200
71.110	6.6750
71.610	6.9050
72.110	7.1490
72.610	7.3850
73.110	7.7050
73.610	8.0960
74.110	8.4720
74.610	9.0290
75.110	9.6770
75.610	10.7080
76.110	12.0370
76.610	12.9830
77.110	13.3050
77.610	13.4650
78.110	13.5180
78.610	13.5520
79.140	13.5650
89.140	13.5650

Name: 13L1203N Base Flow(cfs): 0.000 Init Stage(ft): 56.900
Group: GEE Warn Stage(ft): 60.650
Type: Stage/Area

Stage-area from DEM; Zi from upstream invert of 13L1203C;

Stage(ft)	Area(ac)
56.900	0.0010
59.380	0.0010
59.880	0.0020
60.380	0.0100
60.880	0.0650
61.380	0.1000
61.880	0.1240
62.380	0.1380
62.880	0.1560
63.380	0.1740
63.880	0.1960
64.380	0.2200
64.880	0.2500
65.380	0.3010
65.880	0.3550
66.380	0.4250
66.880	0.5140
67.380	0.6100
67.880	0.7710
68.380	0.8870
68.880	0.9790
69.380	1.1220
69.880	1.2000
70.380	1.2840
70.880	1.3910
71.200	1.4390

Name: 13L1400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1600N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1825N Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 57.350
Type: Stage/Area

Revision
Updated Initial stage to match control elevation of drop structure; Stage area based on DEM

Stage(ft)	Area(ac)
49.930	0.0010
50.430	0.0010
50.930	0.0720
51.430	0.0820
51.930	0.0900
52.430	0.1030
52.930	0.1230
53.430	0.1790
53.930	0.2130
54.430	0.2330
54.930	0.2530
55.430	0.2830
55.930	0.3130
56.430	0.3360
56.930	0.3470
57.430	0.3740
57.930	0.3770
58.430	0.3780
58.930	0.3810
59.430	0.3830
59.930	0.3840
60.430	0.3870
61.010	0.3920

Name: 13L1875P Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 58.150
Type: Stage/Area

Stage(ft)	Area(ac)
19.980	0.0010
20.480	0.0010
20.980	0.0010
21.480	0.0010
21.980	0.0010
22.480	0.0010
22.980	0.0020
23.480	0.0020
23.980	0.0020
24.480	0.0020
24.980	0.0020
25.480	0.0020
25.980	0.0020
26.480	0.0020
26.980	0.0020
27.480	0.0020
27.980	0.0020
28.480	0.0020
28.980	0.0020
29.480	0.0020
29.980	0.0020
30.480	0.0020
30.980	0.0020
31.480	0.0020
31.980	0.0020
32.480	0.0020
32.980	0.0020
33.480	0.0020
33.980	0.0020
34.480	0.0020

34.980	0.0020
35.480	0.0020
35.980	0.0020
36.480	0.0030
36.980	0.0030
37.480	0.0030
37.980	0.0030
38.480	0.0030
38.980	0.0030
39.480	0.0030
39.980	0.0030
40.480	0.0050
40.980	0.0050
41.480	0.0050
41.980	0.0060
42.480	0.0060
42.980	0.0070
43.480	0.0070
43.980	0.0080
44.480	0.0090
44.980	0.0090
45.480	0.0090
45.980	0.0090
46.480	0.0090
46.980	0.0090
47.480	0.0090
47.980	0.0090
48.480	0.0100
48.980	0.0100
49.480	0.0100
49.980	0.0110
50.480	0.0130
50.980	0.1180
51.480	0.4190
51.980	0.4780
52.480	0.5540
52.980	0.6940
53.480	0.8920
53.980	1.2270
54.480	1.9650
54.980	3.2930
55.480	4.9630
55.980	7.6270
56.480	10.0960
56.980	13.2160
57.480	15.6100
57.980	19.6020
58.480	21.8310
58.980	24.3040
59.480	25.1080
59.980	26.0050
60.480	26.8020
60.980	27.6380
61.480	28.2510
61.980	28.9870
62.480	29.6660
62.980	30.2620
63.480	30.8590
63.980	31.4790
64.480	31.9320
64.980	32.3470
65.480	32.7570
65.980	33.3290
66.480	34.0350
66.980	35.2460
67.480	36.2770
67.980	37.9180
68.480	38.6440
68.980	39.9270
69.480	41.2340
69.980	43.1190
70.480	44.6610
70.980	47.5200
71.480	49.5530
71.980	53.1600
72.480	56.1280
72.980	61.4560
73.480	64.2210
73.980	68.2630
74.480	71.2350
74.980	75.7090
75.480	78.5030
75.980	84.1480
76.480	88.1040
76.980	96.3010

77.480	99.6430
77.980	104.5450
78.480	106.8830
78.980	110.8430
79.480	112.9400
79.980	116.4750
80.480	118.8550
80.980	121.3090
81.480	123.2590
81.980	124.9560
82.480	126.5290
82.980	127.7610
83.480	128.9570
83.980	130.0490
84.480	131.1390
84.980	132.3040
85.480	133.5410
85.980	134.8710
86.480	136.2690
86.980	137.5640
87.480	138.7430
87.980	139.9550
88.480	141.1380
88.980	142.2810
89.480	143.4470
89.980	144.7540
90.480	146.0650
90.980	147.3960
91.480	149.0050
91.980	150.2680
92.480	151.7100
92.980	152.9920
93.480	153.9410
93.980	155.0400
94.480	156.7220
94.980	159.0430
95.480	160.5470
95.980	160.9980
96.580	161.0340
106.580	161.0340

Name: 13L1895P Base Flow(cfs): 0.000 Init Stage(ft): 52.750
Group: 13L Warn Stage(ft): 58.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.750	0.0010
53.140	0.0010
53.640	0.0110
54.140	0.1500
54.640	0.8640
55.140	1.4150
55.640	1.6460
56.140	1.8580
56.640	2.0370
57.140	2.2140
57.640	2.4000
58.140	2.6040
58.640	2.8390
59.140	3.0410
59.640	3.0980
60.140	3.1500
60.640	3.2390
61.140	3.3640
61.640	3.4680
62.140	3.6010
62.640	3.7900
63.140	4.0580
63.640	4.3660
64.140	4.6100
64.640	4.7900
65.140	4.9600
65.640	5.1560
66.140	5.3070
66.640	5.4280
67.140	5.5960
67.640	5.9400
68.140	6.1090
68.640	6.2950
69.140	6.5350
69.640	6.7540

70.140	6.8910
70.640	6.9600
71.300	7.0580

Name: 13L1950P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.950	0.0010
52.960	0.0010
53.460	0.6370
53.960	7.0240
54.460	19.9220
54.960	23.9280
55.460	25.6450
55.960	27.1340
56.460	28.5180
56.960	30.0550
57.460	31.5860
57.960	32.9360
58.460	34.1940
58.960	35.6940
59.460	36.8300
59.960	37.5090
60.460	38.1800
60.960	38.9040
61.460	39.6800
61.960	40.5440
62.460	41.4070
62.960	42.0900
63.460	42.6980
63.960	43.3070
64.460	43.9570
64.960	44.8530
65.460	45.8250
65.960	47.0250
66.460	47.8790
66.960	48.7400
67.460	49.4320
67.960	50.0020
68.460	50.6460
68.960	51.2430
69.460	51.8890
69.960	52.5570
70.460	53.5420
70.960	54.8740
71.460	55.9020
71.960	57.2050
72.460	58.3170
72.960	59.6440
73.460	60.8360
73.960	61.7800
74.460	62.7190
74.960	63.7780
75.460	64.7550
75.960	65.6810
76.460	66.6370
76.960	67.7170
77.460	68.7940
77.960	69.9210
78.460	71.2300
78.960	72.4640
79.460	73.8910
79.960	75.3020
80.460	76.7580
80.960	78.0260
81.460	79.4410
81.960	80.7500
82.460	82.1120
82.960	83.8230
83.460	85.2870
83.960	86.9750
84.460	88.4080
84.960	89.7100
85.460	91.1920
85.960	92.7250
86.460	93.9480
86.960	94.9710
87.460	96.0120
87.960	97.2570

88.460	98.1370
88.960	98.9970
89.460	99.7480
89.960	100.8470
90.460	102.0540
90.960	103.2320
91.460	104.4430
91.960	105.8180
92.460	107.2100
92.960	108.6620
93.460	110.4030
93.960	111.4630
94.460	111.9390
94.960	112.1420
95.460	112.3870
95.960	112.7320
96.460	112.9190
96.960	112.9790
97.240	112.9950

Name: 13L1951P Base Flow(cfs): 0.000 Init Stage(ft): 54.500
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Revised S/A during Golf Course Study (2016)

Stage(ft)	Area(ac)
53.300	0.0010
53.800	0.1430
54.300	0.3020
54.800	0.3370
55.300	0.3630
55.800	0.4240
56.300	0.4900
56.800	0.6530
57.300	0.8900
57.800	1.1710
58.300	1.6240
58.800	2.1440
59.300	2.4890
59.800	2.8360
60.300	3.3980
60.800	3.7860
61.300	3.9100
61.800	4.0620
62.300	4.2420
62.800	4.5010
63.300	4.6490
63.800	4.7680
64.400	4.7910

Name: 13L1975P Base Flow(cfs): 0.000 Init Stage(ft): 50.880
Group: 13L Warn Stage(ft): 50.880
Type: Stage/Area

Stage(ft)	Area(ac)
50.880	0.0010
51.380	0.0010
51.880	0.0020
52.380	0.0020
52.880	0.0030
53.380	0.0910
53.880	0.9190
54.380	3.4560
54.880	5.1790
55.380	6.6360
55.880	7.6620
56.380	8.4670
56.880	9.4310
57.380	10.6380
57.880	11.4270
58.380	12.0070
58.880	12.5870
59.380	13.0740
59.880	13.3860
60.380	13.5420
60.880	13.6670
61.380	13.7440
61.880	13.8250

62.380	13.8870
62.880	13.9450
63.380	13.9990
63.880	14.0420
64.380	14.0810
64.880	14.1140
65.380	14.1920
65.880	14.2360
66.380	14.2830
66.880	14.3370
67.380	14.3970
67.880	14.4730
68.580	14.5270
78.580	14.5270

Name: 13L2050P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 52.950
Type: Stage/Area

Stage(ft)	Area(ac)
52.950	0.0010
54.120	0.0010
54.620	0.1970
55.120	0.5410
55.620	1.3310
56.120	3.0950
56.620	4.7650
57.120	5.8920
57.620	6.7480
58.120	7.2550
58.620	7.6330
59.120	7.9850
59.620	8.2860
60.120	8.5720
60.620	8.8420
61.120	9.1690
61.620	9.4440
62.120	9.6710
62.620	9.8680
63.120	10.1900
63.620	10.5920
64.120	11.0820
64.620	11.6660
65.120	12.3420
65.620	13.1570
66.120	14.0190
66.620	14.8410
67.120	15.5820
67.620	16.2930
68.120	17.0580
68.620	17.8120
69.120	18.6310
69.620	19.4560
70.120	20.2900
70.620	21.1940
71.120	22.2260
71.620	23.0690
72.120	23.7770
72.620	24.4690
73.120	25.0410
73.620	25.7090
74.120	26.2490
74.620	27.0350
75.120	27.9700
75.620	28.6200
76.120	29.0120
76.620	29.3960
77.120	30.0050
77.620	30.3470
78.120	30.5350
78.620	30.7060
79.120	30.9300
79.620	31.1330
80.120	31.2830
80.620	31.3890
81.120	31.5450
81.620	31.7070
82.120	31.8070
82.620	31.8860
83.120	31.9680
83.620	32.1430

84.120	32.4670
84.620	33.0090
85.120	33.6040
85.620	34.5040
86.120	35.3570
86.620	36.1430
87.120	36.9030
87.620	37.8280
88.120	39.0360
88.620	40.3210
89.120	41.9310
89.620	43.5130
90.120	45.5300
90.620	47.7120
91.120	49.9330
91.620	52.3480
92.120	54.3740
92.620	56.1250
93.120	57.9780
93.620	59.1660
94.120	60.8560
94.620	62.1290
95.120	62.7560
95.620	62.8370
96.120	62.9130
96.380	62.9140
106.380	62.9140

Name: 13L2150N Base Flow(cfs): 0.000 Init Stage(ft): 56.250
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L2300P Base Flow(cfs): 0.000 Init Stage(ft): 62.440
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
62.400	0.4780
62.900	0.5290
63.400	0.5560
63.900	0.5880
64.400	0.6090
64.900	0.6300
65.400	0.6590
65.900	0.6920
66.400	0.7640
66.900	0.9030
67.400	1.1150
67.900	1.4620
68.400	1.9890
68.900	2.4830
69.400	2.8560
69.900	3.1860
70.400	3.5100
70.900	3.7270
71.400	3.9540
71.900	4.2310
72.400	4.5530
72.900	4.9280
73.400	5.2590
73.900	5.5180
74.400	5.8410
74.900	6.3070
75.400	6.8070
75.900	6.9520
76.400	7.2000
76.900	7.4360
77.440	7.5940

Name: 13L2400N Base Flow(cfs): 0.000 Init Stage(ft): 62.950
Group: 13L Warn Stage(ft): 71.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
62.950	0.0010
70.920	0.0010
71.420	0.0970
71.920	0.5560
72.420	1.1990
72.920	1.6920
73.420	2.0370
73.920	2.3080
74.420	2.6810
74.920	3.1780
75.420	3.6000
75.920	3.7070
76.420	3.7800
76.920	3.9070
77.420	3.9830
77.920	4.0280
78.420	4.0750
78.920	4.0990
79.420	4.1450
79.920	4.1720
80.420	4.2100
80.920	4.2570
81.420	4.2600
82.090	4.2630

Name: 13L2520P Base Flow(cfs): 0.000 Init Stage(ft): 74.950
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1250
78.950	0.1250
83.950	0.1250

Name: 13L2540P Base Flow(cfs): 0.000 Init Stage(ft): 71.450
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
70.950	0.1500
78.950	0.1500
83.950	0.1500

Name: 13L2560P Base Flow(cfs): 0.000 Init Stage(ft): 82.100
Group: 13L Warn Stage(ft): 88.950
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	0.6500
85.450	0.6500
88.950	0.6500

Name: 13L2700N Base Flow(cfs): 0.000 Init Stage(ft): 69.070
Group: 13L Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1700
75.950	0.4700
76.950	1.0300
78.950	1.8100

Name: 13L2720P Base Flow(cfs): 0.000 Init Stage(ft): 72.550

Group: 13L Warn Stage(ft): 74.950
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	0.3100
72.950	0.3500
73.950	0.4800
74.950	0.6000
75.950	0.6600

Name: 13L2750P Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13L Warn Stage(ft): 80.500
Type: Stage/Area

Revision
GCS_1045_CP (NGVD 29)
Existing Stormwater Pond - PDF pg. 18/19

Stage(ft)	Area(ac)
70.270	0.0010
74.000	1.4800
76.000	1.7200
78.000	1.9300
80.000	2.2900

Name: 13L2800N Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13L Warn Stage(ft): 77.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3000N Base Flow(cfs): 0.000 Init Stage(ft): 72.400
Group: 13L Warn Stage(ft): 77.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3100N Base Flow(cfs): 0.000 Init Stage(ft): 72.750
Group: 13L Warn Stage(ft): 80.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3140P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13L Warn Stage(ft): 84.550
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0100
81.750	3.7804
82.950	4.3588
83.950	4.8582
84.950	5.5824
85.950	6.1121
86.950	7.3624

```
      Name: 13M0300N            Base Flow(cfs): 0.000          Init Stage(ft): 50.900
     Group: 13M                                                Warn Stage(ft): 54.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13M0850N            Base Flow(cfs): 0.000          Init Stage(ft): 50.910
     Group: 13M                                                Warn Stage(ft): 57.280
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13M0950N            Base Flow(cfs): 0.000          Init Stage(ft): 51.520
     Group: 13M                                                Warn Stage(ft): 56.260
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13M0970N            Base Flow(cfs): 0.000          Init Stage(ft): 51.940
     Group: 13M                                                Warn Stage(ft): 55.810
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13M0990P            Base Flow(cfs): 0.000          Init Stage(ft): 57.640
     Group: 13M                                                Warn Stage(ft): 57.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         54.600          0.2500
         57.950          0.2500
         58.950          0.2500
         59.050          0.7500
         59.950          1.1500

-------------------------------------------------------------------------------------
      Name: 13M1100N            Base Flow(cfs): 0.000          Init Stage(ft): 52.650
     Group: 13M                                                Warn Stage(ft): 56.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         56.350          0.6900
         56.950          1.0300
         57.950          1.3800

-------------------------------------------------------------------------------------
      Name: 13M1200N            Base Flow(cfs): 0.000          Init Stage(ft): 54.250
     Group: 13M                                                Warn Stage(ft): 56.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         56.850          0.0000
```

```
         58.950          0.3700

-------------------------------------------------------------------------------------------
      Name: 13M1400N            Base Flow(cfs): 0.000          Init Stage(ft): 54.730
     Group: 13M                                                Warn Stage(ft): 58.580
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13M1500N            Base Flow(cfs): 0.000          Init Stage(ft): 55.260
     Group: 13M                                                Warn Stage(ft): 58.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13M1520P            Base Flow(cfs): 0.000          Init Stage(ft): 59.950
     Group: 13M                                                Warn Stage(ft): 61.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         57.950          0.1000
         61.450          0.1000
         61.550          0.8500
         61.950          1.0000

-------------------------------------------------------------------------------------------
      Name: 13M1600N            Base Flow(cfs): 0.000          Init Stage(ft): 56.000
     Group: 13M                                                Warn Stage(ft): 61.040
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------------
      Name: 13M1925P            Base Flow(cfs): 0.000          Init Stage(ft): 60.950
     Group: 13M                                                Warn Stage(ft): 66.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         57.950          0.5000
         66.950          0.5000
         68.950          0.8000

-------------------------------------------------------------------------------------------
      Name: 13M2317N            Base Flow(cfs): 0.000          Init Stage(ft): 55.910
     Group: 13M                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)

      Stage(ft)        Area(ac)
--------------- ---------------
         55.910          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13M2318N            Base Flow(cfs): 0.000          Init Stage(ft): 57.240
     Group: 13M                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)
```

Stage(ft)	Area(ac)
57.240	0.0500
999.000	0.0500

Name: 13M2319N Base Flow(cfs): 0.000 Init Stage(ft): 58.020
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-30

Stage(ft)	Area(ac)
58.020	0.0500
999.000	0.0500

Name: 13M2320N Base Flow(cfs): 0.000 Init Stage(ft): 58.170
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-28

Stage(ft)	Area(ac)
58.170	0.0500
999.000	0.0500

Name: 13M2330P Base Flow(cfs): 0.000 Init Stage(ft): 65.250
Group: 13M Warn Stage(ft): 68.000
Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area to match current terrain

Stage(ft)	Area(ac)
65.000	0.4200
66.000	0.5100
67.000	0.5700
68.000	0.6700
69.000	1.3300

Name: 13M2331N Base Flow(cfs): 0.000 Init Stage(ft): 66.700
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

New Node
Ditch near Pond 2
GCS_1037_SD (NAVD 29)

Stage(ft)	Area(ac)
66.000	0.0100
68.000	0.0190
69.000	0.1100
70.000	0.2700

Name: 13M2332P Base Flow(cfs): 0.000 Init Stage(ft): 73.220
Group: 13M Warn Stage(ft): 74.450
Type: Stage/Area

Revision
Updated initial stage to match control elev.
Updated stage/are to match current terrain

Stage(ft)	Area(ac)
69.790	0.0100
70.290	0.0820
70.790	0.0950
71.290	0.0980
71.790	0.1060
72.290	0.1110

72.790	0.1190
73.290	0.1290
73.790	0.1390
74.290	0.1530
74.790	0.1960
75.290	0.2790
75.790	0.3880
76.290	0.4980
76.790	0.6000

Name: 13M2333N Base Flow(cfs): 0.000 Init Stage(ft): 62.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Added
GCS_1037_SD (NGVD 29)
S-36

Stage(ft)	Area(ac)
62.910	0.0500
999.000	0.0500

Name: 13M2334N Base Flow(cfs): 0.000 Init Stage(ft): 59.220
Group: 13M Warn Stage(ft): 67.860
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-32

Stage(ft)	Area(ac)
59.220	0.0100
67.860	0.0100

Name: 13M2335N Base Flow(cfs): 0.000 Init Stage(ft): 64.000
Group: 13M Warn Stage(ft): 70.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-44; Stage area based on DEM

Stage(ft)	Area(ac)
64.000	0.0010
68.890	0.0010
69.390	0.0010
69.890	0.0010
70.390	0.0050
70.890	0.0160
71.390	0.0650
71.890	0.1660
72.390	0.2340
72.890	0.3150
73.390	0.4750
73.890	0.8400
74.390	1.3840
74.890	1.5850
75.390	1.6830
75.890	1.7170
76.390	1.7440
76.890	1.7710
77.390	1.8100
77.890	1.8550
78.390	1.9160
78.890	1.9380
79.390	1.9590
79.890	1.9860
80.390	2.0180
80.890	2.0710
81.390	2.0990
81.890	2.1110
82.390	2.1360
82.890	2.1530
83.390	2.1610
83.890	2.1680
84.390	2.1760

84.980	2.1860
94.980	2.1860

Name: 13M2340P Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13M Warn Stage(ft): 70.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
69.540	0.0010
70.040	1.7880
70.540	1.8720
71.040	1.9480
71.540	2.1170
72.040	2.7730
72.540	3.2560
73.040	3.7410
73.540	4.2130
74.040	4.7240
74.540	5.1980
75.040	5.6420
75.540	6.0320
76.040	6.5030
76.540	7.0140
77.040	7.5120
77.540	7.9990
78.040	8.4020
78.540	8.7250
79.040	8.9570
79.540	9.1710
80.040	9.3840
80.540	9.6410
81.040	9.9040
81.540	10.1970
82.040	10.6110
82.540	11.0540
83.040	11.5110
83.540	11.8860
84.040	12.2540
84.540	12.6600
85.040	13.0870
85.540	13.6090
86.040	14.2270
86.540	14.6050
87.040	14.9420
87.540	15.3370
88.040	15.9170
88.540	16.5160
89.040	17.2740
89.540	17.9570
90.040	19.0270
90.540	19.9320
91.040	20.8070
91.540	21.3890
92.040	22.1120
92.540	22.7370
93.040	23.0890
93.540	23.7600
94.040	24.2660
94.540	24.5930
95.040	25.0100
95.540	25.1480
96.210	25.1910
106.210	25.1910

Name: 13N0050P Base Flow(cfs): 0.000 Init Stage(ft): 52.340
Group: 13N Warn Stage(ft): 60.000
Type: Stage/Area

Added
pond
field recon by BRW/CLR on 12/7/15 - determined to be a closed basin
initital stage estimated from terrain; Stage area based on DEM

Stage(ft)	Area(ac)
52.340	0.0010
52.840	1.4800
53.340	1.5270
53.840	1.6040
54.340	1.6860

54.840	1.7710
55.340	1.8570
55.840	1.9670
56.340	2.1600
56.840	2.5410
57.340	3.1700
57.840	3.8650
58.340	4.8820
58.840	6.0270
59.340	7.8600
59.840	9.2330
60.340	10.6810
60.840	12.4280
61.340	14.5940
61.840	16.8430
62.340	18.9130
62.840	21.2710
63.340	23.4780
63.840	25.6850
64.340	27.7830
64.840	29.8970
65.340	31.4700
65.840	32.2000
66.340	32.7940
66.840	33.3050
67.340	33.6950
67.840	34.0470
68.340	34.3150
68.840	34.6340
69.340	35.0280
69.840	35.4790
70.340	35.8570
70.840	36.1310
71.340	36.2880
71.840	36.4580
72.340	36.5660
73.050	36.6320

Name: 13N0100P Base Flow(cfs): 0.000 Init Stage(ft): 52.040
Group: 13N Warn Stage(ft): 55.500
Type: Stage/Area

Revision
Tract E
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.290	0.0010
51.790	1.7520
52.290	1.8420
52.790	1.9020
53.290	1.9890
53.790	2.1070
54.290	2.2270
54.790	2.3450
55.290	2.4770
55.790	2.7820
56.290	3.3330
56.790	4.2670
57.290	5.5200
57.790	6.9540
58.290	8.5390
58.790	10.1630
59.290	11.8610
59.790	12.9170
60.290	13.5430
60.790	13.8880
61.290	14.3840
61.790	15.0110
62.290	15.3870
62.790	15.6080
63.040	15.6180

Name: 13N0150N Base Flow(cfs): 0.000 Init Stage(ft): 50.960
Group: 13N Warn Stage(ft): 56.670
Type: Stage/Area

Revision
D110A
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.960	0.0100
999.000	0.0100

Name: 13N0200P Base Flow(cfs): 0.000 Init Stage(ft): 54.010
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
Tract F
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.460	0.0010
51.960	0.2060
52.460	0.6500
52.960	0.9960
53.460	1.3280
53.960	1.5840
54.460	1.9460
54.960	2.4950
55.460	2.7920
55.960	3.0770
56.460	3.3240
56.960	3.4330
57.460	3.4820
57.960	3.5190
58.460	3.5370
58.960	3.5420
59.280	3.5440

Name: 13N0250N Base Flow(cfs): 0.000 Init Stage(ft): 50.990
Group: 13N Warn Stage(ft): 56.500
Type: Stage/Area

Revision
D115
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.990	0.0500
999.000	0.0500

Name: 13N0300N Base Flow(cfs): 0.000 Init Stage(ft): 51.400
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

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GCS_1048_SD

Stage(ft)	Area(ac)
51.000	0.0500
999.000	0.0500

Name: 13N0301P Base Flow(cfs): 0.000 Init Stage(ft): 55.500
Group: 13N Warn Stage(ft): 58.600
Type: Stage/Area

Added
initial stage from terrian; Stage-area re-calculated; stage area based on DEM

Stage(ft)	Area(ac)
53.050	0.0010
53.550	0.1280
54.050	0.1530
54.550	0.1710
55.050	0.1890
55.550	0.2180
56.050	0.2470
56.550	0.2980
57.050	0.4610
57.550	0.9900
58.050	1.2960
58.550	1.9010
59.050	2.9160

59.550	4.0680
60.050	5.8400
60.550	7.6890
61.050	8.8820
61.550	9.7340
62.050	10.3780
62.550	11.0500
63.050	11.7950
63.550	12.4570
64.050	13.0620
64.550	13.4440
65.050	13.7280
65.550	13.8000
66.050	13.8810
66.550	13.9540
67.050	14.0390
67.550	14.0710
68.050	14.1010
68.550	14.1290
69.050	14.1720
69.550	14.2240
70.050	14.3170
70.550	14.3700
71.180	14.3900

Name: 13N0350N Base Flow(cfs): 0.000 Init Stage(ft): 51.460
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
S-121
GCS_1048_SD

Stage(ft)	Area(ac)
51.460	0.0500
999.000	0.0500

Name: 13N0400N Base Flow(cfs): 0.000 Init Stage(ft): 51.900
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0600N Base Flow(cfs): 0.000 Init Stage(ft): 51.910
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0601N Base Flow(cfs): 0.000 Init Stage(ft): 55.000
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
50.000	0.0500
99.000	0.0500

Name: 13N0700P Base Flow(cfs): 0.000 Init Stage(ft): 52.940
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract L
GCS_1048_SD (Assaumed NAVD 88)
Initial stage from LiDar; stage area based on DEM

Stage(ft)	Area(ac)
52.510	0.0010
53.010	0.0030
53.510	0.0170
54.010	0.4400
54.510	1.7970
55.010	2.7190
55.510	3.0830
56.010	3.3720
56.510	3.5950
57.010	3.8370
57.510	3.9700
58.010	4.0250
58.510	4.0500
59.010	4.0550
59.460	4.0590
69.460	4.0590

Name: 13N0750P Base Flow(cfs): 0.000 Init Stage(ft): 52.330
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Added
Pond
From field recon by BRW/CLR on 12/7/15 - see field notes
initial stage estimated from terrian

Stage(ft)	Area(ac)
52.270	0.0010
52.770	2.0670
53.270	2.6560
53.770	2.7050
54.270	2.7500
54.770	2.7750
55.270	2.8120
55.770	2.8480
56.270	2.8940
56.770	2.9630

Name: 13N0800P Base Flow(cfs): 0.000 Init Stage(ft): 52.260
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract J
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
51.470	0.0010
51.970	0.5310
52.470	0.6380
52.970	0.7030
53.470	0.7670
53.970	0.8290
54.470	0.8990
54.970	0.9680
55.470	1.0880
55.970	1.6290
56.470	2.4430
56.970	3.1470

Name: 13N0805N Base Flow(cfs): 0.000 Init Stage(ft): 51.630
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.630	0.0010
999.000	0.0010

Name: 13N0810N Base Flow(cfs): 0.000 Init Stage(ft): 51.620
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.620	0.0010
999.000	0.0010

Name: 13N0900P Base Flow(cfs): 0.000 Init Stage(ft): 45.970
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Revision
Tract Q
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
45.970	0.1000
51.470	0.1000
51.970	0.8150
52.470	0.8640
52.970	0.9230
53.470	0.9820
53.970	1.0500
54.470	1.1200
54.970	1.1950
55.470	1.3730
55.970	1.7070
56.470	2.1260
56.970	2.8600

Name: 13P0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.110
Group: 13P Warn Stage(ft): 58.870
Type: Stage/Area

Revision
Upated initial stage to match control elev; stage area based on DEM

Stage(ft)	Area(ac)
55.110	0.0010
55.570	0.0010
56.070	0.0030
56.570	0.0040
57.070	0.0050
57.570	0.0110
58.070	0.0240
58.570	0.0490
59.070	0.1390
59.570	0.3330
60.070	0.6420
60.570	0.9510
61.070	1.1900
61.570	1.4900
62.070	1.6400
62.570	1.7850
63.070	1.8750
63.570	1.9360
64.070	1.9770
64.570	2.0010
65.070	2.0200
65.570	2.0430
66.070	2.0600
66.570	2.0700
67.070	2.0780
67.570	2.0870
68.070	2.0950
68.570	2.1050
68.840	2.1120

Name: 13P0450N Base Flow(cfs): 0.000 Init Stage(ft): 54.100
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added

Stage(ft)	Area(ac)

54.100	0.0500
999.000	0.0500

Name: 13P0500P Base Flow(cfs): 0.000 Init Stage(ft): 58.550
Group: 13P Warn Stage(ft): 65.250
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
57.950	0.0010
58.450	0.0950
58.950	0.3340
59.450	0.7290
59.950	1.3810
60.450	1.9400
60.950	2.6570
61.450	3.2130
61.950	3.8410
62.450	4.4150
62.950	5.0670
63.450	5.7280
63.950	6.4340
64.450	7.1890
64.950	7.8850
65.450	8.6610
65.950	9.4550
66.450	10.2570
66.950	11.0710
67.450	11.7250
67.950	12.5100
68.450	13.4050
68.950	14.2870
69.450	15.3930
69.950	16.5070
70.450	17.8230
70.950	18.7660
71.450	19.7060
71.950	20.8490
72.450	21.6610
72.950	22.3090
73.450	22.9250
73.950	23.5860
74.450	24.6380
74.950	25.3840
75.450	26.0680
75.950	26.9520
76.450	27.4540
76.950	27.9430
77.450	28.4180
77.950	29.1640
78.450	29.5970
78.950	29.7180
79.450	29.8160
79.950	29.9020
80.450	29.9690
80.950	30.0650
81.450	30.0990
82.030	30.1040

Name: 13P0501N Base Flow(cfs): 0.000 Init Stage(ft): 68.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage-area from DEM

Stage(ft)	Area(ac)
67.150	0.0010
67.650	0.0370
68.150	0.0860
68.650	0.1460
69.150	0.1990
69.650	0.2500
70.150	0.3060
70.650	0.3820
71.150	0.5000
71.650	0.6820
72.150	0.9140
72.650	1.1150
73.150	1.3760

73.650	1.6010
74.150	1.9780
74.650	2.3860
75.150	2.7120
75.650	3.0020
76.150	3.2390
76.650	3.6600
77.150	4.0010
77.650	4.3760
78.150	4.4910
78.650	4.5070
79.150	4.5190
79.700	4.5310

Name: 13P0800N Base Flow(cfs): 0.000 Init Stage(ft): 63.160
Group: 13P Warn Stage(ft): 69.180
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
67.690	0.0010
68.190	0.0020
68.690	0.0070
69.190	0.0150
69.690	0.0340
70.190	0.0400
70.690	0.0690
71.190	0.1310
71.690	0.2240
72.190	0.3980
72.690	0.4450
73.190	0.5050
73.690	0.5540
74.190	0.6060
74.690	0.6090
75.160	0.6110
85.160	0.6110

Name: 13P0900N Base Flow(cfs): 0.000 Init Stage(ft): 66.200
Group: 13P Warn Stage(ft): 70.150
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
66.200	0.0010
67.930	0.0010
68.430	0.0010
68.930	0.0190
69.430	0.0610
69.930	0.1490
70.430	0.3210
70.930	0.4650
71.430	0.6300
71.930	0.8140
72.430	1.1360
72.930	1.5860
73.430	2.1150
73.930	2.6030
74.430	3.2510
74.930	4.0310
75.430	4.7730
75.930	5.5350
76.430	6.1110
76.930	6.7090
77.430	7.3200
77.930	7.6370
78.430	7.9480
78.930	8.2980
79.430	8.6440
79.930	8.7990
80.430	8.8960
80.930	8.9850
81.430	9.0830
81.930	9.1840
82.430	9.2940
82.930	9.3940
83.430	9.4690
83.930	9.5700
84.430	9.7380

84.930	9.8890
85.430	10.1270
85.930	10.3060
86.430	10.4020
86.930	10.4940
87.430	10.6750
87.930	10.9570
88.430	11.3050
88.930	11.5760
89.430	11.8030
89.710	11.8210
99.710	11.8210

Name: 13P0950N Base Flow(cfs): 0.000 Init Stage(ft): 67.310
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision

Stage(ft)	Area(ac)
67.310	0.0500
999.000	0.0500

Name: 13P1000N Base Flow(cfs): 0.000 Init Stage(ft): 68.700
Group: 13P Warn Stage(ft): 71.250
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.700	0.0010
69.020	0.0010
69.520	0.0070
70.020	0.0230
70.520	0.0520
71.020	0.1000
71.520	0.1590
72.020	0.2190
72.520	0.2640
73.020	0.3330
73.520	0.4210
74.020	0.6350
74.520	1.0100
75.020	1.3410
75.520	1.8300
76.020	2.4720
76.520	2.8540
77.020	3.2460
77.520	3.5840
78.020	3.8450
78.520	4.0170
79.020	4.1860
79.520	4.4630
80.020	4.6560
80.520	4.9940
81.020	5.2960
81.520	5.5580
82.020	5.8080
82.520	6.0300
83.020	6.2910
83.520	6.5520
84.020	6.8060
84.520	7.1010
85.020	7.5630
85.520	7.9700
86.020	8.2820
86.520	8.6510
87.020	9.0640
87.520	9.5880
88.020	10.0740
88.520	10.5040
89.020	10.7670
89.520	10.9520
90.020	11.1280
90.520	11.3520
91.020	11.3890
91.520	11.4100
92.020	11.4330
92.560	11.4540

Name: 13P1200N Base Flow(cfs): 0.000 Init Stage(ft): 70.930
Group: 13P Warn Stage(ft): 74.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
69.790	0.0010
70.290	0.0390
70.790	0.0790
71.290	0.1170
71.790	0.1490
72.290	0.1730
72.790	0.2020
73.290	0.2310
73.790	0.2770
74.290	0.3700
74.790	0.6080
75.290	0.8640
75.790	1.1520
76.290	1.4870
76.790	1.8240
77.290	2.2250
77.790	2.6270
78.290	2.9940
78.790	3.3570
79.290	3.6710
79.790	3.9000
80.290	4.0290
80.790	4.1260
81.530	4.1900
91.530	4.1900

Name: 13P1250N Base Flow(cfs): 0.000 Init Stage(ft): 71.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.000	0.0900
73.000	0.2200
74.000	0.3000
75.000	0.7100
76.000	1.4100

Name: 13P1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.450
Group: 13P Warn Stage(ft): 77.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
72.450	0.0010
73.310	0.0010
73.810	0.0020
74.310	0.0240
74.810	0.2050
75.310	0.3040
75.810	0.3760
76.310	0.5230
76.810	0.5580
77.310	0.5940
77.810	0.6450
78.310	0.8290
78.810	1.0540
79.310	1.1400
79.810	1.1550
80.310	1.1570
80.810	1.1600
81.260	1.1620
91.260	1.1620

Name: 13P1400N Base Flow(cfs): 0.000 Init Stage(ft): 74.550
Group: 13P Warn Stage(ft): 78.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1600N Base Flow(cfs): 0.000 Init Stage(ft): 75.240
Group: 13P Warn Stage(ft): 79.280
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1650N Base Flow(cfs): 0.000 Init Stage(ft): 75.700
Group: 13P Warn Stage(ft): 79.650
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.990	0.0010
75.490	0.0140
75.990	0.0250
76.490	0.0320
76.990	0.0380
77.490	0.0440
77.990	0.0520
78.490	0.0680
78.990	0.1370
79.490	0.4510
79.990	0.5800
80.490	0.7550
80.990	1.0030
81.490	1.2040
81.990	1.2870
82.490	1.3360
82.990	1.3810
83.490	1.4290
83.990	1.4880
84.490	1.5520
84.990	1.6590
85.490	1.7800
85.890	1.8030
95.890	1.8030

Name: 13P1700N Base Flow(cfs): 0.000 Init Stage(ft): 76.010
Group: 13P Warn Stage(ft): 80.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1800P Base Flow(cfs): 0.000 Init Stage(ft): 76.490
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.520	0.0010
75.020	2.0120
75.520	2.1380
76.020	2.2100
76.520	2.2690
77.020	2.3200
77.520	2.3730
78.020	2.4690
78.520	2.5980
79.020	2.8310
79.520	3.2790
80.020	4.0690
80.520	4.7780

81.020	5.7770
81.520	6.9740
82.020	7.2970
82.520	7.5280
83.020	7.8130
83.520	8.0790
84.020	8.3410
84.520	8.6170
85.020	8.9330
85.520	9.2720
86.020	9.5050
86.520	9.6690
87.020	9.7930
87.520	9.8480
88.020	9.8890
88.520	9.9040
89.020	9.9160
89.520	9.9250
90.020	9.9320
90.730	9.9340
100.730	9.9340

Name: 13P1810P Base Flow(cfs): 0.000 Init Stage(ft): 77.110
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
Pond 3 - see sheet 101
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
75.500	0.0500
76.970	0.0500
77.470	0.6190
77.970	0.6580
78.470	0.6850
78.970	0.7070
79.470	0.7330
79.970	0.7640
80.470	0.7950
80.970	0.8380
81.470	0.8980
81.970	0.9560
82.470	1.0200
82.970	1.0900
83.470	1.1560
83.970	1.2260
84.470	1.3070
84.970	1.3950
85.470	1.4970
85.970	1.6230
86.470	1.7930
86.970	1.9820
87.470	2.1530
87.970	2.4000

Name: 13P1811N Base Flow(cfs): 0.000 Init Stage(ft): 82.500
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1812N Base Flow(cfs): 0.000 Init Stage(ft): 81.700
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500

```
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13P1813N            Base Flow(cfs): 0.000          Init Stage(ft): 81.400
     Group: 13P                                                Warn Stage(ft): 86.000
      Type: Stage/Area

ADDED
Estimated d/s invert from terrian
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
MES to open channel

      Stage(ft)        Area(ac)
--------------- ---------------
         81.400          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13P1814N            Base Flow(cfs): 0.000          Init Stage(ft): 77.650
     Group: 13P                                                Warn Stage(ft): 87.500
      Type: Stage/Area

added - Grassy Lake outfall
discharge confirmed by BRW/CLR ON 12/7/15 - see notes
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         78.590          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13P1815N            Base Flow(cfs): 0.000          Init Stage(ft): 74.940
     Group: 13P                                                Warn Stage(ft): 83.790
      Type: Stage/Area

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
warning stage based on parking lot elevation
ESA

      Stage(ft)        Area(ac)
--------------- ---------------
         74.940          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13P1820N            Base Flow(cfs): 0.000          Init Stage(ft): 79.150
     Group: 13P                                                Warn Stage(ft): 89.600
      Type: Stage/Area

Modified
updated initial stage from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         80.800          0.0100
         98.940          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P1822N            Base Flow(cfs): 0.000          Init Stage(ft): 81.150
     Group: 13P                                                Warn Stage(ft): 91.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P1824N            Base Flow(cfs): 0.000          Init Stage(ft): 82.650
     Group: 13P                                                Warn Stage(ft): 88.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P2010N            Base Flow(cfs): 0.000          Init Stage(ft): 81.890
```

```
     Group: 13P                                                Warn Stage(ft): 90.050
      Type: Stage/Area

Updated initial stage based on survey
GCS_1046_SD (NAVD 88)
DM 6183

      Stage(ft)        Area(ac)
--------------- ---------------
         81.890          0.0100
        999.000          0.0100

-------------------------------------------------------------------------------------
      Name: 13P2050N            Base Flow(cfs): 0.000          Init Stage(ft): 83.200
     Group: 13P                                                Warn Stage(ft): 90.050
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         82.950          0.0500
         88.950          0.4872
         89.950          1.6958
         90.950          2.7892

-------------------------------------------------------------------------------------
      Name: 13P2200N            Base Flow(cfs): 0.000          Init Stage(ft): 84.780
     Group: 13P                                                Warn Stage(ft): 87.350
      Type: Stage/Area

Updated initial stage pipe invert

      Stage(ft)        Area(ac)
--------------- ---------------
         84.780          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13P2300P            Base Flow(cfs): 0.000          Init Stage(ft): 87.800
     Group: 13P                                                Warn Stage(ft): 92.000
      Type: Stage/Area

Added
Pond 2 - see sheet 100
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         75.800          0.0500
         85.310          0.0500
         85.810          0.5290
         86.310          0.5600
         86.810          0.5890
         87.310          0.6290
         87.810          0.6700
         88.310          0.7320
         88.810          0.8110
         89.310          0.8990
         89.810          0.9910
         90.310          1.0920
         90.810          1.2020
         91.310          1.3110
         91.810          1.4390
         92.310          1.5750
         92.810          1.7610
         93.310          2.0170

-------------------------------------------------------------------------------------
      Name: 13P2350N            Base Flow(cfs): 0.000          Init Stage(ft): 83.600
     Group: 13P                                                Warn Stage(ft): 91.940
      Type: Stage/Area

Added
S-100: See sheets 99, 58
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         83.600          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13P2400P            Base Flow(cfs): 0.000          Init Stage(ft): 82.400
     Group: 13P                                                Warn Stage(ft): 92.300
```

Type: Stage/Area

Added
Pond 1 - see sheet 99
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.410	0.0500
85.660	0.0500
86.160	0.2920
86.660	0.3420
87.160	0.3900
87.660	0.5600
88.160	0.7770
88.660	0.8570
89.160	1.1330
89.660	1.3100

Name: 13P2410N Base Flow(cfs): 0.000 Init Stage(ft): 87.800
Group: 13P Warn Stage(ft): 93.170
Type: Stage/Area

Added
DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.400	0.0500
999.000	0.0500

Name: 13P2420N Base Flow(cfs): 0.000 Init Stage(ft): 87.400
Group: 13P Warn Stage(ft): 93.170
Type: Stage/Area

Added
DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.400	0.0500
999.000	0.0500

Name: 13P2620N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 89.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2640N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 89.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2643N Base Flow(cfs): 0.000 Init Stage(ft): 84.950
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2644N Base Flow(cfs): 0.000 Init Stage(ft): 87.550

```
     Group: 13P                                                Warn Stage(ft): 92.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13P2646N            Base Flow(cfs): 0.000          Init Stage(ft): 88.450
     Group: 13P                                                Warn Stage(ft): 92.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13P2660P            Base Flow(cfs): 0.000          Init Stage(ft): 84.350
     Group: 13P                                                Warn Stage(ft): 88.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.950          0.0500
         86.950          0.2469
         86.960          0.6317
         87.950          5.9604
         88.950         10.5940
         89.950         15.3057

-------------------------------------------------------------------------------------
      Name: 13P2661P            Base Flow(cfs): 0.000          Init Stage(ft): 88.750
     Group: 13P                                                Warn Stage(ft): 89.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         87.950          0.0500
         88.950          1.6046
         89.950          7.1643

-------------------------------------------------------------------------------------
      Name: 13P3100P            Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: GEE                                                Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00           0.000
         999.00           0.000

-------------------------------------------------------------------------------------
      Name: 13P3120N            Base Flow(cfs): 0.000          Init Stage(ft): 88.740
     Group: GEE                                                Warn Stage(ft): 94.440
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 13P3150N            Base Flow(cfs): 0.000          Init Stage(ft): 89.050
     Group: GEE                                                Warn Stage(ft): 93.610
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 13P3250N            Base Flow(cfs): 0.000          Init Stage(ft): 85.570
```

```
     Group: GEE                                                Warn Stage(ft): 94.120
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 13P3300N            Base Flow(cfs): 0.000          Init Stage(ft): 84.400
     Group: GEE                                                Warn Stage(ft): 94.910
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 13P3350N            Base Flow(cfs): 0.000          Init Stage(ft): 81.900
     Group: GEE                                                Warn Stage(ft): 93.160
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 13P3400P            Base Flow(cfs): 0.000          Init Stage(ft): 81.330
     Group: GEE                                                Warn Stage(ft): 94.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 13P3450N            Base Flow(cfs): 0.000          Init Stage(ft): 89.190
     Group: GEE                                                Warn Stage(ft): 90.980
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         50.000          0.0500
        100.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13P3500N            Base Flow(cfs): 0.000          Init Stage(ft): 83.260
     Group: GEE                                                Warn Stage(ft): 90.560
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.260          0.0030
        999.000          0.0030

-------------------------------------------------------------------------------------
      Name: 13Q0500N            Base Flow(cfs): 0.000          Init Stage(ft): 83.900
     Group: 13Q                                                Warn Stage(ft): 88.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.900          1.3330
         89.950          4.1750

-------------------------------------------------------------------------------------
      Name: 13Q0820P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                                Warn Stage(ft): 89.050
      Type: Stage/Area

Revision
Updated inital stage to control elev.
Updated stage/area

      Stage(ft)        Area(ac)
--------------- ---------------
```

79.000	0.8950
83.000	1.1020
85.000	1.1400
87.000	1.4510
89.000	1.8380

Name: 13Q0821N Base Flow(cfs): 0.000 Init Stage(ft): 84.410
Group: 13Q Warn Stage(ft): 87.000
Type: Stage/Area

Revision
Structure S-122
GCS_1046_SD

Stage(ft)	Area(ac)
84.410	0.0400
85.760	0.0600

Name: 13Q0822N Base Flow(cfs): 0.000 Init Stage(ft): 83.300
Group: 13Q Warn Stage(ft): 89.850
Type: Stage/Area

Revision
Structure S-115
GCS_1046_SD

Stage(ft)	Area(ac)
83.300	0.0100
999.000	0.0100

Name: 13Q0840P Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Updated inital stage and stage/area

Stage(ft)	Area(ac)
83.600	0.0010
84.100	0.1690
84.600	1.0720
85.100	1.5230
85.600	1.7900
86.100	2.0630
86.600	2.4090
87.100	2.6340

Name: 13Q0860P Base Flow(cfs): 0.000 Init Stage(ft): 87.780
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Updated initial stage to match control elevation
Updated stage/area

Stage(ft)	Area(ac)
81.750	0.1640
82.250	0.1780
82.750	0.1970
83.250	0.2360
83.750	0.4030
84.250	0.6630
84.750	1.0300
85.250	1.4270
85.750	1.8100
86.250	2.2190
86.750	2.7140
87.250	3.2870
87.750	4.1160
88.250	4.7640
88.750	5.4830

Name: 13Q0861N Base Flow(cfs): 0.000 Init Stage(ft): 86.090
Group: 13Q Warn Stage(ft): 89.010

Type: Stage/Area

Renamed from GROUND (Time/stage)
Casselberry City Infrstructure (Assumed NAVD 88)
inital stage from infrastructure

Stage(ft)	Area(ac)
86.090	0.0500
999.000	0.0500

Name: 13Q0865N Base Flow(cfs): 0.000 Init Stage(ft): 85.320
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
85.320	0.0500
999.000	0.0500

Name: 13Q0870P Base Flow(cfs): 0.000 Init Stage(ft): 86.170
Group: 13Q Warn Stage(ft): 88.000
Type: Stage/Area

Added
Pond
Field Recon by BRW/CLR on 12/7/15

Stage(ft)	Area(ac)
82.160	0.0010
82.660	0.7520
83.160	0.7800
83.660	0.8320
84.160	0.8960
84.660	1.0700
85.160	1.2560
85.660	1.4680
86.160	1.7340
86.660	2.0290
87.160	2.4390
87.660	3.1330
88.160	4.3370

Name: 13Q0875N Base Flow(cfs): 0.000 Init Stage(ft): 84.900
Group: 13Q Warn Stage(ft): 90.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
84.900	0.0500
999.000	0.0500

Name: 13Q0880N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
84.350	0.0500
999.000	0.0500

Name: 13Q0885N Base Flow(cfs): 0.000 Init Stage(ft): 82.930
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)

82.930	0.0500
999.000	0.0500

Name: 13Q0890N Base Flow(cfs): 0.000 Init Stage(ft): 82.830
Group: 13Q Warn Stage(ft): 89.820
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
82.830	0.0500
999.000	0.0500

Name: 13Q0895N Base Flow(cfs): 0.000 Init Stage(ft): 78.600
Group: 13Q Warn Stage(ft): 87.110
Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

Stage(ft)	Area(ac)
75.110	0.0500
999.000	0.0500

Name: 13Q0896N Base Flow(cfs): 0.000 Init Stage(ft): 82.280
Group: 13Q Warn Stage(ft): 87.110
Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

Stage(ft)	Area(ac)
75.110	0.0500
999.000	0.0500

Name: 13Q0924P Base Flow(cfs): 0.000 Init Stage(ft): 85.800
Group: 13Q Warn Stage(ft): 88.950
Type: Stage/Area

Revision
Updated initial stage to control elev
updated stage/area calcs

Stage(ft)	Area(ac)
80.000	0.4420
82.000	0.5860
85.000	0.6610
87.000	0.8386
89.000	1.1279

Name: 13Q0940P Base Flow(cfs): 0.000 Init Stage(ft): 85.800
Group: 13Q Warn Stage(ft): 88.950
Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area

Stage(ft)	Area(ac)
80.000	0.3940
83.000	0.5330
85.000	0.6080
87.000	0.7780
89.000	1.0600

Name: 13Q2290P Base Flow(cfs): 0.000 Init Stage(ft): 78.620
Group: 13Q Warn Stage(ft): 85.950
Type: Stage/Area

Added
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
69.950	0.9400
78.500	1.0530
82.000	1.3890
84.000	1.5790
86.000	1.8430
88.000	2.2500

Name: 13Q2291N Base Flow(cfs): 0.000 Init Stage(ft): 78.370
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 23 Structure 9

Stage(ft)	Area(ac)
77.400	0.0500
999.000	0.0500

Name: 13Q2292N Base Flow(cfs): 0.000 Init Stage(ft): 76.720
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
76.720	0.0500
999.000	0.0500

Name: 13Q2293N Base Flow(cfs): 0.000 Init Stage(ft): 75.400
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
75.400	0.0500
999.000	0.0500

Name: 13Q2294N Base Flow(cfs): 0.000 Init Stage(ft): 71.900
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

Stage(ft)	Area(ac)
71.900	0.0500
999.000	0.0500

Name: 13Q2295N Base Flow(cfs): 0.000 Init Stage(ft): 71.900
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

Stage(ft)	Area(ac)
71.900	0.0500
999.000	0.0500

Name: 13Q2296N Base Flow(cfs): 0.000 Init Stage(ft): 72.120
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)
72.120	0.0500
999.000	0.0500

Name: 13Q2300P Base Flow(cfs): 0.000 Init Stage(ft): 71.350
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)
71.350	0.1000
72.000	0.3490
73.000	0.4720
74.000	0.5010
75.000	0.5280
76.000	0.5510
77.000	0.7350
78.000	0.8450

Name: CEMETERY Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13F Warn Stage(ft): 63.550
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.9713
60.950	1.4276
61.950	1.9834
62.950	2.8499
63.950	4.6656

Name: CONCORD Base Flow(cfs): 0.500 Init Stage(ft): 55.950
Group: 13M Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	17.9560
56.950	19.9516
57.950	21.2131
58.950	22.3080
59.950	24.5515

Name: CRYSTBWL Base Flow(cfs): 0.000 Init Stage(ft): 58.250
Group: 13N Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	7.6810
58.950	8.3421
59.950	9.0601
60.950	9.7166
61.950	10.4017
62.950	11.0941
63.950	12.2905
64.950	14.5440

Name: DUCKPOND Base Flow(cfs): 0.000 Init Stage(ft): 48.850
Group: 13F Warn Stage(ft): 57.250
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.7600
51.950	0.7638
54.950	1.1914
55.950	1.3259
56.950	1.5474
57.950	2.2529
58.950	3.3766

Name: ELLEN Base Flow(cfs): 0.000 Init Stage(ft): 64.850
Group: 13M Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	4.6700
64.950	5.1800
65.950	5.7560
66.950	6.3960
67.950	7.0247
68.950	7.5702
69.950	8.1380
70.950	8.7480

Name: EVERGRN Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
56.950	1.5300
58.040	2.2308
58.950	3.2473
59.950	3.7288
60.950	4.2145
61.950	4.6767
62.950	5.2000
63.950	5.7800

Name: FAIRY Base Flow(cfs): 0.900 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	45.3910
52.130	50.4351
52.950	52.8165
53.950	55.4116
54.950	58.1505
55.950	61.5913
56.950	65.8391
57.950	71.8718
58.950	80.0927

Name: FERN Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	3.1860
61.950	3.5390
62.950	3.9311
63.950	4.4455
64.950	4.4500

Name: GEM Base Flow(cfs): 0.000 Init Stage(ft): 70.950
Group: 13I Warn Stage(ft): 73.350
Type: Stage/Area

Stage(ft)	Area(ac)
70.150	4.0457
70.950	4.5105
71.950	5.0185
72.950	5.9041
73.950	8.0343

Name: GRASSY Base Flow(cfs): 0.400 Init Stage(ft): 82.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	4.4600
81.950	4.9600
82.950	5.0713
83.950	11.9570
84.950	12.7708
85.950	13.4899
86.950	14.2498

Name: GRIFFIN Base Flow(cfs): 0.300 Init Stage(ft): 74.750
Group: 13K Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
73.950	15.0370
74.950	15.0372
75.950	18.2976
76.950	22.2679
77.950	27.1000

Name: HODGE Base Flow(cfs): 0.000 Init Stage(ft): 51.450
Group: 13H Warn Stage(ft): 53.050
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	18.1678
50.950	20.1181
51.950	21.9942
52.950	23.9954
53.950	25.8800
54.950	27.9000

Name: IRENE-N Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	7.2500
54.950	8.1116
55.950	9.0658
56.950	10.0399
57.950	10.8952
58.950	11.8569
59.950	13.1170
60.950	14.1115
63.950	17.5500

Name: IRENE-S Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	4.1200
54.950	4.5971
55.950	5.1386
56.950	5.6750
57.950	6.1260
58.950	6.5877
59.950	7.5313
60.950	9.0024
63.950	15.3700

Name: JANE Base Flow(cfs): 0.000 Init Stage(ft): 63.850
Group: 13I Warn Stage(ft): 66.050
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	0.9200
62.950	1.3500
64.950	1.9727
65.950	2.3051
66.950	2.7961
67.950	3.1247

Name: JESUP Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	8.750
99.00	8.750

Name: KATHRYN Base Flow(cfs): 9.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	50.7400
47.950	56.3770
48.950	62.6410
49.950	69.6016
50.950	78.3770
51.950	81.7231
52.950	86.2032
53.950	94.8745
54.950	109.9357

Name: LOST Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
49.300	0.0010
49.800	12.5200
50.300	13.9250
50.800	14.5700
51.300	15.3490
51.800	16.9160
52.300	19.2240
52.800	20.7270
53.300	21.9630
53.800	22.8660
54.300	23.6330
54.800	24.4100
55.300	25.2680
55.800	26.1090
56.300	27.4030
56.800	29.4670
57.300	31.8220

57.800	32.9640
58.300	33.5920
58.800	33.8580
59.300	34.2650
59.800	34.7750
60.300	35.1350
60.800	35.4180
61.300	35.7510
61.800	36.1210
62.300	36.3210
62.800	36.4860
63.300	36.4930
73.300	36.4930

Name: LOTUS Base Flow(cfs): 0.000 Init Stage(ft): 82.950
Group: 13K Warn Stage(ft): 85.850
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	3.7637
82.950	4.1584
83.950	4.5544
84.950	5.3459
85.950	6.8663

Name: LPRAIRIE Base Flow(cfs): 0.000 Init Stage(ft): 91.250
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
88.950	1.6148
91.250	1.6148
91.950	6.8233
92.950	11.7850

Name: LWILDMER Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 63.450
Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.0408
59.950	4.5894
60.950	6.1631
61.950	7.7773
62.950	10.2403
63.950	14.9519

Name: MALTBIE Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13P Warn Stage(ft): 83.950
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	3.9200
80.950	3.9200
82.050	4.3529
83.950	5.0094
86.950	8.3265
87.950	22.2858
88.950	26.2556
89.950	30.0558
90.950	35.8311

Name: ORANGE Base Flow(cfs): 0.000 Init Stage(ft): 72.150
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.150	2.3647
72.950	2.7537
73.950	3.2152
74.950	4.0535
75.950	4.2500

Name: OXFORD Base Flow(cfs): 0.000 Init Stage(ft): 68.450
Group: 13L Warn Stage(ft): 72.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.450	0.0010
69.310	0.0010
69.810	0.8560
70.310	4.0980
70.810	5.2310
71.310	5.9130
71.810	6.4240
72.310	6.8750
72.810	7.3800
73.310	8.0520
73.810	8.8200
74.310	9.5490
74.810	10.3010
75.310	10.8640
75.810	11.5120
76.310	12.0910
76.810	12.5450
77.310	12.9960
77.810	13.6110
78.310	14.1860
78.810	14.3550
79.310	14.4360
79.810	14.5110
80.310	14.6300
80.810	14.8550
81.310	15.1450
81.810	15.4090
82.310	15.6140
82.810	15.7490
83.310	15.8840
83.810	16.0660
84.310	16.2030
84.810	16.3620
85.310	16.4810
85.810	16.5970
86.310	16.6900
86.810	16.7920
87.310	16.8720
87.810	16.9320
88.310	17.0020
88.810	17.0910
89.310	17.1920
89.810	17.3920
90.310	17.5950
90.810	17.8480
91.310	18.1050
91.810	18.3670
92.310	18.4780
92.810	18.5550
93.310	18.6000
93.810	18.6560
94.310	18.7170
94.560	18.7300

Name: PEARL Base Flow(cfs): 0.100 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	12.3456
86.950	15.4107
87.950	22.8788

Name: PINEYRDG Base Flow(cfs): 0.000 Init Stage(ft): 79.350
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
79.350	1.0594
83.950	1.0995
84.950	1.4995
85.950	1.9009
86.950	3.0423
87.950	4.9482
88.950	7.6141

Name: PLAZA Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13K Warn Stage(ft): 75.650
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	1.6285
72.950	2.0563
73.950	2.5946
74.950	3.2738
75.950	4.2904

Name: POND10 Base Flow(cfs): 0.000 Init Stage(ft): 54.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage(ft)	Area(ac)
48.000	0.2600
57.000	0.9200
57.160	1.6230
57.660	2.1810
58.160	2.6170
58.660	2.7810
59.160	2.8140
59.660	2.8430
60.160	2.8720
60.660	2.8930
61.160	2.9140
61.660	2.9390
62.160	3.0160
62.660	3.0720
63.160	3.1050
63.660	3.1300
64.160	3.1380
64.660	3.1460
65.160	3.1510
65.660	3.1550
66.160	3.1590
66.660	3.1660
67.180	3.1760
77.180	3.1760

Name: POND2 Base Flow(cfs): 0.000 Init Stage(ft): 50.000
Group: 13L Warn Stage(ft): 54.000
Type: Stage/Area

Stage(ft)	Area(ac)
42.000	1.9700
54.000	4.0700
54.180	5.9440
54.680	6.5540
55.180	6.9920
55.680	7.1980
56.180	7.3200
56.680	7.5820
57.180	7.9750
57.680	8.5280
58.180	8.9160

58.680	9.3130
59.180	9.5310
59.680	9.6590
60.180	9.8240
60.680	10.0250
61.180	10.2570
61.680	10.4590
62.180	10.5650
62.680	10.6540
63.180	10.7440
63.680	10.8200
64.180	10.8840
64.680	10.9670
65.180	11.0540
65.680	11.1670
66.180	11.3220
66.680	11.4270
67.180	11.5440
67.680	11.5740
68.180	11.5820
68.800	11.5850
78.800	11.5850

Name: POND5 Base Flow(cfs): 0.000 Init Stage(ft): 60.000
Group: 13N Warn Stage(ft): 63.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.000	0.1300
63.000	0.9500
63.460	10.7430
63.960	12.9060
64.460	14.9550
64.960	17.1130
65.460	18.4230
65.960	19.0690
66.460	19.6380
66.960	20.1430
67.460	20.4890
67.960	20.8140
68.460	21.1100
68.960	21.4120
69.460	21.8560
69.960	22.2820
70.460	22.6620
70.960	22.8720
71.460	23.0270
71.960	23.1920
72.460	23.2790
73.050	23.3260
83.050	23.3260

Name: POND7 Base Flow(cfs): 0.000 Init Stage(ft): 51.000
Group: 13L Warn Stage(ft): 57.000
Type: Stage/Area

Stage-area re-calculated

Stage(ft)	Area(ac)
47.000	0.2300
51.000	0.6900
56.000	1.7600
56.190	2.0270
56.690	2.4630
57.190	3.0050
57.690	3.5630
58.190	4.1050
58.690	4.5800
59.190	5.0350
59.690	5.5250
60.190	6.0970
60.690	6.6950
61.190	7.1050
61.690	7.5870
62.190	7.9080
62.690	8.2190
63.190	8.5000
63.690	8.7290
64.190	8.9460

64.690	9.1550
65.190	9.3740
65.690	9.5480
66.190	9.7040
66.690	9.8960
67.190	10.1770
67.690	10.9280
68.190	11.4100
68.690	12.2510
69.190	13.2980
69.690	14.9860
70.190	17.2840
70.690	19.1100
71.190	20.9470
71.690	22.6010
72.190	24.6190
72.690	25.7330
73.190	26.4390
73.690	26.7990
74.190	27.0860
74.690	27.3770
75.040	27.4130
85.040	27.4130

Name: PRAIRIE Base Flow(cfs): 1.400 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 87.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	122.1010
84.950	126.7382
85.950	131.2661
86.950	142.8805
87.950	155.3361

Name: QUAIL Base Flow(cfs): 0.000 Init Stage(ft): 61.940
Group: 13M Warn Stage(ft): 65.950
Type: Stage/Area

Revision
Updated inital stage to match control elev

Stage(ft)	Area(ac)
59.950	3.5880
62.950	3.5880
63.950	3.9866
64.950	4.4206
65.950	4.9000

Name: QUEENS Base Flow(cfs): 1.200 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	10.5060
48.950	11.6730
49.950	12.9738
50.950	14.1149
51.950	15.2546
52.950	16.3875
53.950	17.4206
54.950	19.3313
55.950	21.5809

Name: SECRET Base Flow(cfs): 0.100 Init Stage(ft): 50.901
Group: 13M Warn Stage(ft): 52.950
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	7.5830
49.950	8.3180

50.950	9.2440
51.950	12.8940
52.950	15.0680
53.950	21.3260
54.950	27.2880

Name: TRIPLT-M Base Flow(cfs): 0.600 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 51.950
Type: Stage/Area

Revision
Revised stage area

Stage(ft)	Area(ac)
48.350	0.0010
49.190	0.0010
49.690	47.5950
50.190	52.6580
50.690	55.7900
51.190	58.4530
51.690	61.8100
52.190	66.1390
52.690	68.7300
53.190	70.6240
53.690	72.6190
54.190	75.3360
54.690	78.3290
55.190	81.3380
55.690	84.1360
56.190	87.1520
56.690	89.4920
57.190	91.6370
57.690	94.1010
58.190	95.9260
58.690	97.5660
59.190	98.6510
59.690	99.3480
60.190	99.7850
60.690	100.1500
61.190	100.5620
61.690	100.8520
62.190	101.2240
62.740	101.3910
72.740	101.3910

Name: TRIPLT-N Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 52.250
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	16.8790
48.950	18.7550
49.950	20.8390
50.950	23.1542
51.950	25.9724
52.950	30.2624
53.950	35.5159
54.950	38.6264
55.950	41.5881

Name: TRIPLT-S Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added node to seperate Middle and South Triplet Lake

Stage(ft)	Area(ac)
49.160	0.0010
49.660	25.2570
50.160	27.0320
50.660	28.0360
51.160	29.1040
51.660	30.7290
52.160	32.6730
52.660	34.9300
53.160	37.4630

53.660	39.5170
54.160	41.2130
54.660	42.8150
55.160	44.4120
55.660	45.9710
56.160	47.5790
56.660	49.7460
57.160	51.7640
57.660	53.7740
58.160	56.2850
58.660	59.4130
59.160	62.2920
59.660	65.1300
60.160	68.2380
60.660	70.6570
61.160	72.6840
61.660	74.7230
62.160	76.9850
62.660	79.4620
63.160	80.9910
63.660	82.2450
64.160	83.0520
64.660	83.7860
65.160	84.3180
65.660	84.8820
66.160	85.5300
66.660	86.4660
67.160	87.4430
67.660	88.1610
68.160	88.7040
68.660	89.0690
69.160	89.4200
69.660	89.7700
70.160	90.0750
70.660	90.4060
71.160	90.8380
71.660	91.2930
72.160	91.5930
72.660	91.8110
73.160	91.9060
73.660	92.0130
74.160	92.1380
74.660	92.2800
75.160	92.4770
75.660	92.6570
76.160	93.1020
76.660	93.1820
77.290	93.1840
87.290	93.1840

Name: TROUT Base Flow(cfs): 0.200 Init Stage(ft): 78.700
Group: 13K Warn Stage(ft): 80.650
Type: Stage/Area

Stage(ft)	Area(ac)
77.950	15.2240
78.950	17.5082
79.950	20.1318
80.950	22.3211

Name: WILDMERE Base Flow(cfs): 0.800 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 57.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	29.1100
56.950	31.1100
57.950	33.2411
58.950	37.3433
59.950	39.9008
60.950	43.2276
61.950	46.8000
62.950	50.7000

Name: YVONNE Base Flow(cfs): 0.600 Init Stage(ft): 52.020
Group: 13N Warn Stage(ft): 53.950

Type: Stage/Area

Stage(ft)	Area(ac)
50.950	13.9130
51.950	17.7690
52.950	22.6935
53.950	28.9822
54.950	36.7654
55.950	45.9359
56.950	57.3900

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==== Cross Sections ==========
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Name: 13A-B04X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
1.150	19.230	0.040000
1.150	14.920	0.040000
11.000	12.950	0.035000
12.050	12.740	0.035000
12.050	19.230	0.040000
13.200	19.230	0.040000
13.200	12.510	0.040000
24.100	10.330	0.035000
24.100	19.230	0.040000
25.250	19.230	0.040000
25.250	10.100	0.040000
33.000	8.550	0.035000
36.150	6.910	0.035000
36.150	19.230	0.040000
37.300	19.230	0.040000
37.300	6.310	0.040000
38.000	5.950	0.035000
48.200	5.160	0.035000
48.200	19.230	0.040000
49.350	19.230	0.040000
49.350	5.080	0.040000
51.000	4.950	0.030000
60.250	4.670	0.030000
60.250	19.230	0.040000
61.400	19.230	0.040000
61.400	4.950	0.040000
70.000	9.150	0.035000
72.300	9.290	0.035000
72.300	19.230	0.040000
73.450	19.230	0.040000
73.450	9.360	0.040000
75.000	9.450	0.035000
84.350	9.520	0.035000
84.350	19.230	0.040000
85.500	19.230	0.040000
85.500	9.530	0.040000
96.400	9.600	0.035000
96.400	19.230	0.040000
97.550	19.230	0.040000
97.550	9.610	0.040000
103.000	9.650	0.035000
108.450	9.540	0.035000
108.450	19.230	0.040000
109.600	19.230	0.040000
109.600	9.520	0.040000
120.500	9.300	0.035000
120.500	19.230	0.040000
121.650	19.230	0.040000
121.650	9.270	0.040000
132.550	9.070	0.035000
132.550	19.230	0.040000
133.770	19.230	0.040000
133.770	9.040	0.040000
144.600	8.830	0.035000
144.600	19.230	0.040000
145.750	19.230	0.040000
145.750	8.810	0.040000
156.650	8.590	0.035000
156.650	19.230	0.040000
157.800	19.230	0.040000

157.800	8.570	0.040000
168.700	8.350	0.035000
168.700	19.230	0.040000
169.850	19.230	0.040000
169.850	8.230	0.040000
172.000	7.950	0.035000
174.000	6.850	0.030000
180.000	6.350	0.030000
180.750	6.440	0.030000
180.750	19.230	0.040000
181.900	19.230	0.040000
181.900	6.580	0.040000
185.000	6.950	0.030000
188.000	9.050	0.035000
192.800	9.610	0.035000
192.800	19.230	0.040000
193.950	19.230	0.040000
193.950	9.740	0.040000
200.000	10.450	0.035000
204.850	12.120	0.035000
204.850	19.230	0.040000
206.000	19.230	0.040000
206.000	12.510	0.040000
209.000	13.550	0.035000
216.900	16.350	0.035000
216.900	19.230	0.040000

Name: 13A-B20R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.650	0.016000
-50.000	26.360	0.016000
0.000	27.410	0.016000
50.000	27.420	0.016000
100.000	27.340	0.016000

Name: 13A-B20X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-26.100	25.430	0.020000
-26.100	23.650	0.020000
-20.000	21.650	0.020000
-18.000	19.950	0.035000
-13.000	19.850	0.035000
-9.000	19.950	0.020000
-5.000	21.850	0.020000
-1.300	22.650	0.020000
-1.300	25.430	0.020000

Name: 13A-B23R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	31.900	0.110000
-41.000	31.850	0.015000
0.000	31.850	0.015000

Name: 13A-B23X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.700	30.850	0.080000
-72.700	28.450	0.080000
-66.000	28.350	0.080000
-41.000	28.450	0.080000
-33.000	25.150	0.080000
-26.000	24.250	0.080000

-24.000	20.550	0.080000
-20.000	21.150	0.050000
-13.000	21.450	0.050000
-8.000	25.650	0.080000
-8.000	30.850	0.080000

Name: 13A-B25R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	32.000	0.016000
0.000	33.020	0.016000
50.000	33.070	0.016000
100.000	32.310	0.016000

Name: 13A-B25X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-14.000	30.990	0.013000
-14.000	29.650	0.013000
-11.000	29.050	0.030000
-8.000	27.250	0.030000
-3.000	22.950	0.030000
0.000	22.750	0.035000
3.000	23.350	0.035000
4.000	25.150	0.030000
8.000	26.150	0.030000
12.000	28.250	0.030000
12.000	30.990	0.030000

Name: 13A-B49X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.560	0.016000
0.000	45.650	0.016000
8.000	44.250	0.035000
9.000	42.750	0.035000
13.500	41.850	0.035000
19.000	42.350	0.035000
27.000	44.450	0.035000
27.000	48.560	0.016000

Name: 13A-B57R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.500	53.460	0.016000
-36.500	52.910	0.016000
13.500	52.580	0.016000
63.500	53.060	0.016000
113.500	53.540	0.016000

Name: 13A-B57X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.210	0.027000
6.000	47.280	0.027000
18.000	47.230	0.027000
25.000	51.200	0.027000

Name: 13A-W343 Group: 13A

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.950	0.110000
140.000	50.950	0.110000
200.000	50.450	0.110000
260.000	50.950	0.110000
345.000	51.950	0.110000

Name: 13A-W390 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	40.250	0.110000
-25.000	40.150	0.110000
0.000	39.950	0.110000
14.000	39.450	0.110000
20.000	39.150	0.110000
27.000	39.450	0.110000
50.000	40.350	0.110000

Name: 13A-W590 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.350	52.950	0.040000
-16.350	52.350	0.040000
0.000	51.640	0.040000
5.600	51.670	0.025000
5.600	49.660	0.025000
13.700	49.610	0.025000
13.700	48.640	0.025000
15.600	48.670	0.013000
15.600	49.610	0.025000
23.900	49.820	0.025000
23.900	51.940	0.025000
29.500	51.910	0.025000
35.650	52.650	0.040000
43.650	52.950	0.040000

Name: 13A0000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	10.850	0.150000
-50.000	9.550	0.150000
-25.000	9.250	0.150000
0.000	9.150	0.150000
3.000	8.850	0.100000
7.000	7.150	0.035000
11.000	5.150	0.035000
19.000	3.950	0.035000
28.000	2.950	0.035000
32.000	8.850	0.035000
35.000	10.150	0.035000
41.000	10.550	0.100000

Name: 13A0100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	17.450	0.150000
0.000	13.950	0.150000
7.000	11.250	0.150000
11.000	5.250	0.150000
19.000	2.950	0.035000

28.000	2.350	0.035000
34.000	9.350	0.150000
39.000	11.050	0.150000

Name: 13A0300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-9.000	11.950	0.150000
-2.000	9.050	0.150000
0.000	8.850	0.150000
6.000	7.550	0.150000
8.000	5.450	0.050000
17.000	5.050	0.030000
25.000	5.350	0.030000
26.000	8.750	0.050000
30.000	10.350	0.150000

Name: 13A0500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	12.150	0.150000
17.000	11.550	0.150000
25.000	10.650	0.150000
32.000	8.650	0.150000
35.000	4.050	0.030000
41.000	5.150	0.030000
48.000	5.150	0.030000
53.000	8.150	0.030000
62.000	12.250	0.150000

Name: 13A0600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	11.850	0.150000
0.000	11.150	0.150000
2.000	10.750	0.150000
5.000	9.550	0.150000
10.000	5.850	0.030000
19.000	5.250	0.030000
28.000	6.450	0.030000
33.000	9.750	0.030000
58.000	11.650	0.150000
83.000	12.250	0.150000
116.000	13.950	0.150000

Name: 13A0800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	17.750	0.150000
-25.000	16.750	0.150000
0.000	15.350	0.150000
2.000	15.350	0.150000
10.000	9.750	0.150000
13.000	5.150	0.080000
18.000	4.150	0.080000
25.000	6.350	0.080000
30.000	9.650	0.080000
35.000	10.150	0.150000
60.000	10.750	0.150000
85.000	10.750	0.150000

Name: 13A0900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	16.650	0.035000
-50.000	13.450	0.035000
-25.000	12.150	0.150000
0.000	11.650	0.150000
3.000	10.150	0.150000
6.000	7.750	0.080000
11.000	7.250	0.080000
18.000	7.650	0.080000
23.000	11.750	0.080000
50.000	11.150	0.150000
75.000	12.150	0.150000

Name: 13A1000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.950	0.030000
-25.000	16.550	0.030000
0.000	15.650	0.030000
17.000	12.950	0.035000
34.000	12.550	0.035000
42.000	11.750	0.035000
46.000	9.950	0.030000
49.000	8.850	0.030000
55.000	9.350	0.030000
56.000	13.230	0.080000
81.000	15.350	0.150000
106.000	17.050	0.150000

Name: 13A1100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	19.950	0.030000
0.000	19.550	0.030000
10.000	19.450	0.100000
16.000	17.550	0.100000
22.000	14.850	0.100000
25.000	14.750	0.100000
30.000	15.750	0.100000
36.000	10.350	0.050000
42.000	10.750	0.030000
45.000	10.850	0.030000
51.000	14.950	0.050000
60.000	18.350	0.100000
85.000	19.950	0.030000
110.000	20.250	0.035000

Name: 13A1300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	20.750	0.150000
-25.000	20.250	0.150000
0.000	20.050	0.150000
13.000	19.650	0.150000
21.000	18.350	0.050000
30.000	15.350	0.050000
36.000	14.350	0.050000
38.000	11.550	0.050000
43.000	11.250	0.050000
48.000	11.150	0.050000
53.000	14.250	0.050000
56.000	14.950	0.150000
65.000	17.250	0.030000
86.000	19.850	0.030000
100.000	20.650	0.030000

Name: 13A1400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	24.250	0.150000
-25.000	23.950	0.150000
0.000	22.850	0.150000
5.000	22.450	0.150000
14.000	19.450	0.035000
20.000	16.150	0.035000
26.000	12.450	0.035000
30.000	11.950	0.035000
34.000	12.250	0.035000
38.000	14.450	0.035000
41.000	18.050	0.035000
53.000	22.050	0.150000
78.000	23.950	0.030000
103.000	25.250	0.030000

Name: 13A1600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	26.050	0.030000
-25.000	24.450	0.030000
0.000	23.250	0.030000
4.000	22.850	0.150000
8.000	21.150	0.150000
15.000	17.150	0.150000
20.000	13.650	0.100000
26.000	12.550	0.100000
31.000	13.150	0.100000
32.000	14.050	0.150000
37.000	17.650	0.150000
44.000	20.350	0.150000
69.000	23.850	0.030000
94.000	26.250	0.030000

Name: 13A1700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.750	0.150000
0.000	25.450	0.150000
25.000	20.350	0.150000
38.000	19.950	0.150000
44.000	15.850	0.050000
47.000	15.150	0.050000
52.000	16.350	0.050000
57.000	16.750	0.050000
59.000	19.350	0.050000
79.000	22.050	0.150000
105.000	25.550	0.150000

Name: 13A1800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.050	0.030000
0.000	26.050	0.030000
20.000	22.950	0.150000
25.000	21.550	0.150000
31.000	16.450	0.050000
35.000	14.650	0.050000
39.000	15.650	0.050000
50.000	21.450	0.050000
65.000	23.050	0.150000
88.000	26.350	0.150000

Name: 13A1900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	26.950	0.030000
-55.000	24.350	0.030000
-29.000	24.250	0.080000
-22.000	19.650	0.080000
-21.000	18.750	0.080000
-19.000	17.850	0.080000
-18.000	17.950	0.080000
-16.000	19.450	0.080000
-14.000	20.150	0.080000
-13.000	21.650	0.080000
-8.000	22.650	0.080000
-4.000	24.450	0.080000
0.000	25.150	0.080000
25.000	26.050	0.030000
50.000	26.450	0.030000

Name: 13A2100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	27.550	0.150000
-68.000	26.350	0.150000
-43.000	26.350	0.100000
-36.000	24.750	0.100000
-32.000	22.950	0.100000
-28.000	18.850	0.100000
-24.000	18.750	0.100000
-19.000	19.450	0.100000
-16.000	22.950	0.100000
-10.000	22.750	0.100000
0.000	26.750	0.100000
25.000	25.750	0.150000
50.000	25.150	0.150000

Name: 13A2200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.350	0.150000
-67.000	26.750	0.150000
-42.000	26.550	0.150000
-35.000	24.850	0.150000
-26.000	23.950	0.150000
-23.000	20.150	0.080000
-18.000	19.150	0.080000
-16.000	20.050	0.080000
-12.000	22.850	0.080000
-10.000	26.350	0.150000
0.000	29.150	0.150000
25.000	29.450	0.150000

Name: 13A2300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	28.850	0.150000
-66.000	28.350	0.150000
-41.000	28.450	0.150000
-33.000	25.150	0.100000
-26.000	24.250	0.100000
-24.000	20.550	0.100000
-20.000	21.150	0.100000
-13.000	21.450	0.100000
-8.000	25.650	0.100000
0.000	31.350	0.150000
25.000	31.850	0.150000

50.000	32.750	0.150000

Name: 13A2400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.650	0.030000
-75.000	29.850	0.030000
-51.000	29.650	0.100000
-40.000	25.650	0.100000
-35.000	23.150	0.100000
-30.000	22.350	0.100000
-27.000	22.850	0.100000
-23.000	25.950	0.100000
-15.000	27.150	0.150000
0.000	28.550	0.150000
25.000	29.050	0.030000
50.000	30.750	0.030000

Name: 13A2600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	28.050	0.150000
-60.000	28.750	0.150000
-35.000	28.850	0.150000
-25.000	26.550	0.050000
-22.000	23.450	0.050000
-15.000	22.650	0.050000
-11.000	23.150	0.050000
-6.000	29.750	0.050000
0.000	31.550	0.050000
25.000	32.750	0.030000
50.000	32.790	0.013000

Name: 13A2700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	30.150	0.030000
-25.000	29.450	0.030000
0.000	29.150	0.030000
14.000	27.850	0.150000
16.000	23.350	0.080000
21.000	23.550	0.080000
25.000	23.850	0.080000
29.000	27.650	0.080000
33.000	27.250	0.080000
40.000	30.050	0.080000
65.000	30.350	0.035000

Name: 13A2750X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	31.250	0.150000
-50.000	30.650	0.150000
-25.000	31.750	0.150000
0.000	29.450	0.150000
2.000	29.150	0.035000
4.000	26.250	0.035000
9.000	25.150	0.035000
13.000	25.950	0.035000
20.000	30.450	0.035000
44.000	31.850	0.150000
65.000	29.250	0.100000
74.000	29.250	0.100000
84.000	32.150	0.100000
100.000	32.150	0.150000

200.000	33.250	0.150000

Name: 13A2800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	34.250	0.150000
-60.000	32.250	0.150000
-26.000	33.050	0.150000
-21.000	32.050	0.150000
-18.000	30.850	0.050000
-16.000	28.450	0.050000
-14.000	28.450	0.050000
-12.000	28.450	0.050000
-11.000	30.850	0.050000
-9.000	32.650	0.150000
0.000	32.350	0.150000
25.000	34.750	0.150000
50.000	35.250	0.150000

Name: 13A2900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-140.000	36.950	0.150000
-50.000	35.650	0.150000
-25.000	35.450	0.150000
0.000	35.350	0.150000
5.000	35.150	0.150000
13.000	31.950	0.050000
16.000	31.750	0.050000
18.000	31.950	0.050000
23.000	32.550	0.050000
31.000	35.150	0.050000
112.000	35.450	0.150000

Name: 13A3000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	36.150	0.150000
-28.000	32.950	0.050000
-22.000	32.950	0.050000
-17.000	31.950	0.050000
-11.000	32.350	0.050000
-7.000	35.350	0.050000
-4.000	36.950	0.050000
0.000	37.350	0.150000

Name: 13A3200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	40.010	0.013000
-67.000	39.450	0.013000
-42.000	39.150	0.035000
-34.000	36.550	0.035000
-27.000	32.950	0.035000
-23.000	32.450	0.035000
-19.000	33.050	0.035000
-10.000	33.850	0.035000
-6.000	35.850	0.035000
0.000	37.950	0.035000

Name: 13A3300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.950	0.035000
-25.000	39.550	0.035000
0.000	38.450	0.035000
2.000	38.350	0.035000
8.000	35.750	0.035000
12.000	34.150	0.035000
19.000	32.950	0.035000
23.000	31.750	0.035000

Name: 13A3400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-62.000	41.750	0.080000
-37.000	40.950	0.080000
-27.000	36.650	0.080000
-17.000	33.250	0.080000
-12.000	34.150	0.035000
-6.000	34.050	0.080000
0.000	36.250	0.110000
25.000	38.850	0.110000
50.000	40.150	0.110000

Name: 13A3600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-102.000	42.050	0.030000
-77.000	51.650	0.030000
-52.000	40.850	0.040000
-45.000	37.950	0.040000
-39.000	33.950	0.045000
-30.000	32.750	0.050000
-24.000	34.150	0.050000
-14.000	37.950	0.050000
-5.000	40.550	0.080000
0.000	41.250	0.080000
25.000	42.450	0.030000
50.000	42.750	0.030000

Name: 13A3700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	43.930	0.030000
0.000	41.650	0.030000
18.000	37.250	0.030000
21.000	37.150	0.030000
29.000	38.250	0.030000
35.000	35.850	0.080000
37.000	34.950	0.080000
40.000	34.750	0.080000
42.000	34.850	0.080000
51.000	39.550	0.110000

Name: 13A3900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	39.750	0.110000
0.000	39.350	0.080000
8.000	37.850	0.080000
14.000	36.750	0.080000
20.000	36.550	0.080000
28.000	36.450	0.080000
33.000	39.950	0.110000

Name: 13A4000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-218.000	39.920	0.080000
-50.000	39.150	0.080000
-20.000	38.750	0.080000
-19.000	37.150	0.080000
-13.000	37.350	0.035000
-8.000	36.950	0.035000
-4.000	38.050	0.050000
-3.000	37.950	0.080000
0.000	38.850	0.080000
25.000	39.850	0.080000
55.000	39.550	0.080000
81.000	41.250	0.080000
94.000	41.450	0.080000

Name: 13A4100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	40.150	0.110000
-32.000	38.250	0.050000
-24.000	37.450	0.025000
-17.000	37.750	0.050000
-12.000	39.850	0.080000
-7.000	40.150	0.080000
0.000	43.050	0.080000
17.000	43.750	0.080000

Name: 13A4200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	44.350	0.110000
-31.000	42.550	0.080000
-24.000	38.750	0.050000
-21.000	38.650	0.025000
-17.000	38.250	0.050000
-13.000	42.950	0.080000
-7.000	42.950	0.110000
0.000	44.350	0.110000

Name: 13A4300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-108.000	47.250	0.110000
-83.000	45.250	0.110000
-66.000	45.050	0.110000
-57.000	42.250	0.110000
-49.000	41.550	0.110000
-45.000	42.350	0.110000
-40.000	40.750	0.080000
-37.000	39.450	0.080000
-33.000	39.650	0.035000
-30.000	39.050	0.080000
-27.000	41.150	0.080000
-19.000	44.750	0.080000
-8.000	48.350	0.110000
0.000	48.950	0.110000

Name: 13A4400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	47.050	0.110000
0.000	43.850	0.110000
4.000	43.150	0.080000
7.000	40.850	0.080000
14.000	40.250	0.035000
21.000	40.450	0.080000
24.000	42.050	0.110000
32.000	45.750	0.110000

Name: 13A4500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	45.650	0.018000
2.000	45.450	0.018000
3.000	42.950	0.035000
8.000	41.250	0.035000
15.000	40.550	0.035000
19.000	40.950	0.025000
25.000	44.750	0.035000
32.000	46.250	0.018000

Name: 13A4600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	45.350	0.110000
-46.000	45.150	0.110000
-36.000	41.650	0.080000
-24.000	42.850	0.080000
-20.000	39.850	0.080000
-17.000	40.050	0.080000
-12.000	41.050	0.080000
-5.000	42.850	0.110000
-2.000	44.550	0.110000
0.000	44.850	0.110000
25.000	45.250	0.110000
50.000	45.450	0.110000

Name: 13A4700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	47.750	0.030000
-68.000	46.950	0.080000
-43.000	46.050	0.080000
-38.000	42.950	0.050000
-30.000	41.850	0.035000
-27.000	41.750	0.035000
-22.000	41.050	0.035000
-18.000	40.850	0.040000
-14.000	44.150	0.045000
-10.000	45.050	0.045000
0.000	46.250	0.040000
25.000	46.850	0.040000
50.000	47.850	0.040000

Name: 13A4800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.060	0.030000
-25.000	48.050	0.030000
0.000	47.850	0.080000
5.000	45.950	0.080000
11.000	42.250	0.080000

18.000	41.850	0.035000
26.000	42.350	0.080000
31.000	45.550	0.080000
36.000	46.750	0.080000
43.000	47.650	0.080000
68.000	47.650	0.080000
93.000	47.550	0.080000

Name: 13A5000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-55.000	48.150	0.060000
-29.000	47.650	0.050000
-21.000	44.650	0.035000
-19.000	44.250	0.035000
-17.000	43.150	0.035000
-15.000	42.950	0.035000
-10.000	42.350	0.022000
-6.000	42.450	0.080000
-1.000	47.250	0.080000
0.000	48.150	0.080000

Name: 13A5100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.150	0.060000
10.000	47.350	0.035000
16.000	43.650	0.035000
18.000	42.950	0.035000
22.000	42.850	0.022000
26.000	42.550	0.022000
27.000	42.950	0.050000
30.000	47.550	0.080000
37.000	48.850	0.080000
62.000	47.450	0.080000
87.000	46.750	0.080000

Name: 13A5200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	52.250	0.030000
-25.000	51.550	0.030000
0.000	49.750	0.080000
3.000	48.650	0.080000
6.000	46.650	0.080000
10.000	43.450	0.080000
14.000	42.950	0.022000
18.000	43.950	0.080000
22.000	45.750	0.080000
24.000	47.450	0.080000
34.000	49.850	0.080000

Name: 13A5300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	51.650	0.016000
-25.000	51.650	0.016000
0.000	51.350	0.080000
5.000	49.550	0.080000
7.000	55.650	0.080000
11.000	43.350	0.080000
14.000	43.850	0.022000
18.000	44.050	0.022000
22.000	50.250	0.035000
28.000	52.550	0.080000

34.000	53.650	0.080000

Name: 13A5400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	56.450	0.040000
0.000	54.750	0.080000
17.000	50.850	0.080000
20.000	48.850	0.080000
23.000	46.950	0.080000
25.000	44.050	0.035000
29.000	43.850	0.035000
31.000	44.050	0.035000
33.000	45.850	0.035000
35.000	46.050	0.080000
37.000	47.350	0.110000
42.000	51.650	0.110000
50.000	52.450	0.110000

Name: 13A5500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.050000
-40.000	46.550	0.050000
-33.000	45.050	0.050000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.040000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5500X_Aux1 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.080000
-40.000	46.550	0.080000
-33.000	45.050	0.035000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.035000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
18.000	53.850	0.080000
23.000	51.050	0.080000
25.000	46.650	0.080000

32.000	46.550	0.080000
33.000	45.350	0.080000
35.000	45.250	0.080000
38.000	45.350	0.080000
40.000	46.450	0.080000
42.000	48.150	0.080000
44.000	50.150	0.080000
69.000	50.650	0.080000
100.000	53.150	0.080000

Name: 13A5800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	52.950	0.030000
0.000	52.350	0.040000
6.000	50.950	0.040000
12.000	49.150	0.040000
15.000	47.850	0.040000
22.000	47.750	0.040000
25.000	47.050	0.040000
31.000	46.850	0.035000
40.000	47.350	0.040000
42.000	50.250	0.030000
52.000	52.650	0.030000
60.000	52.950	0.030000

Name: 13A6100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	53.450	0.030000
-25.000	52.750	0.030000
0.000	51.750	0.030000
1.000	51.550	0.030000
2.000	49.450	0.035000
9.000	47.850	0.035000
14.000	47.050	0.035000
15.000	47.150	0.035000
20.000	48.550	0.035000
26.000	49.650	0.045000
28.000	52.050	0.030000
29.000	52.250	0.030000
55.000	52.850	0.030000
79.000	52.950	0.030000

Name: 13B0100X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-123.000	15.650	0.060000
-114.000	11.550	0.060000
-108.000	9.550	0.060000
-107.000	6.550	0.035000
-104.000	6.150	0.035000
-101.000	6.450	0.035000
-98.000	9.150	0.045000
-67.000	14.050	0.060000
-35.000	15.450	0.060000
0.000	17.300	0.060000

Name: 13B0200X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-179.000	21.250	0.050000
-119.000	19.550	0.050000
-94.000	18.750	0.050000
-69.000	16.050	0.080000

-58.000	14.350	0.080000
-56.000	13.950	0.080000
-52.000	14.850	0.080000
-43.000	14.950	0.080000
-31.000	15.550	0.040000
-19.000	15.550	0.040000
-17.000	17.550	0.040000
0.000	21.250	0.030000
10.000	21.800	0.030000

Name: 13B0400X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	21.650	0.110000
0.000	20.050	0.110000
14.000	16.850	0.110000
24.000	13.550	0.110000
26.000	13.350	0.110000
30.000	13.950	0.110000
38.000	16.750	0.110000
51.000	18.650	0.110000
76.000	21.450	0.110000

Name: 13B0500X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	23.050	0.110000
0.000	20.160	0.110000
12.000	17.850	0.110000
28.000	18.050	0.110000
32.000	15.450	0.110000
34.000	15.450	0.110000
37.000	16.650	0.110000
39.000	18.250	0.110000
49.000	17.550	0.110000
60.000	19.250	0.110000
88.000	21.450	0.110000

Name: 13B0600X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-125.000	29.150	0.110000
-100.000	28.150	0.110000
-79.000	25.550	0.110000
-68.000	22.650	0.110000
-51.000	22.250	0.080000
-45.000	19.650	0.060000
-42.000	19.650	0.060000
-38.000	20.050	0.060000
-35.000	22.050	0.080000
-21.000	25.950	0.080000
0.000	28.850	0.080000
25.000	30.450	0.045000

Name: 13C-W230 Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	35.980	0.013000
40.000	35.980	0.013000
40.000	35.480	0.013000
50.400	35.480	0.013000
50.400	35.980	0.013000
90.400	35.980	0.013000

Name: 13C0100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.950	0.110000
-50.000	14.950	0.110000
-25.000	13.550	0.110000
0.000	12.150	0.110000
12.000	8.050	0.080000
16.000	7.950	0.080000
19.000	8.250	0.080000
23.000	10.650	0.080000
50.000	10.850	0.110000
75.000	10.750	0.110000
125.000	10.850	0.110000
170.000	13.250	0.110000

Name: 13C0200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	16.290	0.050000
-50.000	13.450	0.110000
-25.000	12.950	0.110000
0.000	12.250	0.110000
5.000	9.550	0.080000
7.000	8.950	0.080000
9.000	9.150	0.080000
16.000	14.250	0.080000
33.000	14.750	0.050000
41.000	14.750	0.050000
66.000	14.950	0.050000
101.000	15.950	0.050000

Name: 13C0300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-47.000	14.750	0.035000
-28.000	13.150	0.080000
-18.000	11.650	0.080000
0.000	13.350	0.080000
3.000	12.950	0.080000
5.000	11.050	0.080000
7.000	10.350	0.080000
9.000	10.050	0.045000
12.000	10.350	0.080000
16.000	13.150	0.080000
41.000	13.850	0.110000
66.000	15.750	0.110000

Name: 13C0500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.550	0.110000
-45.000	14.950	0.110000
-20.000	12.950	0.110000
-17.000	12.550	0.050000
-13.000	10.750	0.035000
-10.000	10.450	0.035000
-8.000	11.150	0.035000
-5.000	11.750	0.035000
0.000	12.850	0.060000
25.000	12.850	0.110000
50.000	12.950	0.110000
59.000	14.740	0.050000

Name: 13C0700X Group: 13C

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	15.850	0.110000
-30.000	15.750	0.110000
0.000	15.450	0.110000
25.000	16.050	0.110000
28.000	14.950	0.080000
30.000	13.550	0.080000
32.000	12.750	0.080000
36.000	13.450	0.080000
42.000	15.850	0.080000

Name: 13C0800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.550	0.110000
-25.000	16.150	0.110000
0.000	15.850	0.110000
3.000	15.550	0.110000
7.000	13.750	0.080000
10.000	13.150	0.080000
12.000	13.650	0.080000
16.000	16.450	0.080000
19.000	16.750	0.110000
45.000	16.050	0.110000
74.000	17.550	0.110000

Name: 13C1000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	21.050	0.050000
-25.000	20.050	0.050000
0.000	18.850	0.110000
6.000	18.350	0.110000
8.000	17.650	0.080000
11.000	13.050	0.080000
13.000	12.850	0.080000
19.000	13.650	0.045000
21.000	16.550	0.045000
22.000	16.950	0.080000
47.000	16.750	0.110000
72.000	17.750	0.110000

Name: 13C1100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	21.950	0.030000
-50.000	20.550	0.110000
-25.000	19.750	0.110000
0.000	19.350	0.110000
5.000	15.850	0.080000
6.000	15.150	0.035000
8.000	15.150	0.080000
15.000	19.350	0.080000
21.000	20.650	0.080000
46.000	20.849	0.110000
71.000	20.850	0.110000
170.000	21.950	0.110000

Name: 13C1200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	25.850	0.030000
-18.000	25.050	0.080000
-9.000	24.350	0.080000
0.000	22.550	0.080000
3.000	20.750	0.080000
6.000	20.450	0.035000
7.000	20.550	0.080000
10.000	22.250	0.080000
13.000	23.050	0.080000
33.000	22.750	0.110000
63.000	22.950	0.110000
223.000	23.950	0.110000
262.000	24.950	0.110000
285.000	25.950	0.110000

Name: 13C1300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.550	0.050000
-25.000	25.650	0.050000
0.000	25.550	0.080000
4.000	25.450	0.080000
10.000	23.850	0.050000
14.000	22.650	0.040000
16.000	22.550	0.035000
17.000	22.550	0.040000
22.000	24.350	0.080000
47.000	23.950	0.110000
72.000	24.550	0.110000
78.000	25.950	0.110000
114.000	26.950	0.110000
161.000	27.950	0.110000
186.000	28.950	0.110000

Name: 13C1400X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	27.550	0.030000
-25.000	26.850	0.030000
0.000	26.450	0.080000
17.000	27.350	0.080000
19.000	25.550	0.050000
24.000	25.450	0.035000
28.000	25.550	0.050000
32.000	27.550	0.080000
57.000	27.250	0.110000
82.000	27.450	0.110000
126.000	27.950	0.110000
176.000	28.950	0.110000

Name: 13C1500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	29.750	0.050000
-25.000	29.450	0.050000
0.000	29.050	0.050000
7.000	28.150	0.050000
10.000	25.750	0.035000
13.000	25.150	0.035000
18.000	26.250	0.035000
22.000	28.450	0.050000
47.000	28.350	0.110000
72.000	29.150	0.110000

Name: 13C1700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	30.350	0.030000
-50.000	29.650	0.030000
-24.000	29.850	0.060000
-17.000	29.050	0.050000
-11.000	26.350	0.035000
-8.000	26.250	0.035000
-4.000	26.550	0.035000
-2.000	27.450	0.050000
0.000	27.750	0.050000
25.000	28.150	0.110000
50.000	28.850	0.110000
342.000	28.950	0.110000
352.000	31.950	0.110000

Name: 13C1800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.550	0.080000
16.000	29.050	0.050000
19.000	27.050	0.050000
24.000	26.750	0.035000
31.000	27.350	0.050000
34.000	28.250	0.080000
38.000	28.650	0.110000
60.000	28.650	0.110000
135.000	29.950	0.110000
235.000	30.950	0.110000
435.000	31.950	0.110000

Name: 13C1900X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.750	0.080000
15.000	29.650	0.080000
20.000	28.050	0.080000
26.000	27.450	0.080000
33.000	28.050	0.080000
37.000	29.250	0.080000
62.000	29.450	0.110000
87.000	29.950	0.110000
234.000	31.950	0.110000

Name: 13C2000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	34.650	0.030000
-90.000	31.750	0.110000
-63.000	31.150	0.110000
-25.000	30.650	0.110000
-16.000	31.950	0.110000
-11.000	31.350	0.080000
-9.000	30.750	0.080000
-8.000	30.650	0.080000
-7.000	30.750	0.080000
-4.000	31.250	0.080000
0.000	31.750	0.110000
25.000	32.150	0.110000
50.000	31.950	0.110000
110.000	33.950	0.110000

Name: 13D0100X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-46.000	31.750	0.045000
-31.000	29.350	0.045000
-26.000	26.350	0.035000
-21.000	26.250	0.035000
-16.000	26.350	0.035000
-13.000	29.850	0.045000
-7.000	30.950	0.045000
0.000	31.150	0.060000

Name: 13D0200X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	35.450	0.080000
-33.000	34.050	0.080000
-28.000	32.450	0.080000
-11.000	29.150	0.080000
-9.000	28.950	0.080000
-4.000	29.450	0.080000
0.000	34.350	0.080000

Name: 13D0400X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.750	0.030000
-25.000	39.450	0.030000
-21.000	36.750	0.050000
-14.000	34.150	0.035000
-11.000	34.350	0.035000
-8.000	34.150	0.035000
-5.000	36.950	0.040000
0.000	38.150	0.030000
10.000	39.450	0.030000
18.000	39.450	0.030000
25.000	39.450	0.030000

Name: 13D0500X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	42.850	0.030000
-35.000	42.750	0.030000
-30.000	40.750	0.045000
-24.000	37.050	0.045000
-14.000	35.750	0.045000
-8.000	34.650	0.035000
-5.000	34.750	0.035000
-3.000	38.950	0.040000
0.000	41.050	0.030000
20.000	41.750	0.030000

Name: 13D0700X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	44.050	0.060000
-36.000	43.750	0.050000
-27.000	39.950	0.050000
-21.000	36.650	0.050000
-16.000	36.350	0.050000
-15.000	35.550	0.045000
-12.000	35.350	0.040000
-10.000	35.550	0.045000
-7.000	37.750	0.030000
0.000	43.450	0.030000
6.000	43.850	0.030000
14.000	44.650	0.030000

20.000	44.650	0.030000

Name: 13D0800X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	45.450	0.030000
-26.000	45.350	0.030000
-23.000	43.650	0.045000
-19.000	41.950	0.045000
-16.000	41.150	0.045000
-14.000	39.150	0.040000
-11.000	38.750	0.035000
-8.000	38.950	0.045000
-5.000	41.650	0.045000
0.000	45.150	0.030000
15.000	46.050	0.030000

Name: 13F-W041 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.400	49.150	0.013000
7.900	49.150	0.013000
8.150	47.950	0.013000
8.400	49.150	0.013000
10.900	49.150	0.013000
16.300	50.950	0.013000
41.300	50.950	0.035000

Name: 13F-W044 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.880	48.990	0.013000
9.780	48.990	0.013000
10.880	47.950	0.013000
11.980	48.990	0.013000
15.880	48.990	0.013000
21.760	50.950	0.013000
46.760	50.950	0.035000

Name: 13F0100X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	46.050	0.080000
-25.000	45.350	0.060000
0.000	45.850	0.035000
7.000	45.350	0.035000
15.000	43.950	0.035000
16.000	43.750	0.045000
17.000	44.450	0.035000
26.000	46.250	0.035000
31.000	46.650	0.035000
36.000	49.250	0.035000

Name: 13F0200X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	48.150	0.030000
-25.000	46.990	0.030000
0.000	47.150	0.030000
7.000	46.150	0.030000
14.000	45.250	0.030000
15.000	44.850	0.030000
18.000	44.650	0.030000
20.000	44.650	0.030000
29.000	48.050	0.030000
37.000	50.150	0.030000

Name: 13F0500X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.650	0.110000
5.000	49.650	0.110000
14.000	48.750	0.080000
17.000	47.750	0.080000
20.000	47.150	0.080000
23.000	47.950	0.080000
28.000	50.250	0.080000
53.000	48.250	0.080000
80.000	49.550	0.080000

Name: 13F0800X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	56.050	0.030000
-51.000	55.750	0.030000
-36.000	54.750	0.030000
-26.000	53.350	0.030000
-24.000	53.250	0.030000
-21.000	53.350	0.030000
-14.000	54.150	0.030000
0.000	54.650	0.030000
25.000	54.850	0.030000
65.000	56.050	0.030000

Name: 13F1000X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	55.850	0.080000
-60.000	55.450	0.080000
-35.000	55.050	0.080000
-26.000	52.750	0.045000
-24.000	52.750	0.045000
-21.000	52.650	0.045000
-15.000	54.350	0.080000
0.000	55.450	0.080000
25.000	55.750	0.080000

Name: 13G0100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	49.650	0.080000
-50.000	48.950	0.080000
-22.000	48.950	0.080000
-16.000	46.250	0.080000
-12.000	43.850	0.080000
-7.000	43.750	0.080000
-2.000	43.850	0.080000
-1.000	44.750	0.080000
0.000	45.450	0.080000
10.000	46.750	0.080000
25.000	47.350	0.030000

Name: 13G0200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.050	0.030000
-50.000	50.650	0.030000
0.000	50.050	0.030000
3.000	48.050	0.050000
6.000	46.450	0.050000
8.000	45.350	0.080000
11.000	45.250	0.080000
13.000	45.350	0.080000
17.000	48.250	0.080000
24.000	51.450	0.080000
50.000	52.050	0.080000

Name: 13G0400X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	48.750	0.030000
-50.000	48.750	0.030000
0.000	48.250	0.030000
2.000	47.450	0.045000
4.000	45.950	0.045000
7.000	44.550	0.045000
10.000	44.350	0.040000
12.000	44.650	0.045000
16.000	47.550	0.045000
18.000	48.650	0.045000
43.000	50.750	0.030000
56.000	51.450	0.030000
75.000	51.650	0.030000

Name: 13G0500X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-34.000	48.150	0.080000
-24.000	47.650	0.080000
-17.000	46.450	0.045000
-11.000	44.750	0.040000
-9.000	44.750	0.040000
-6.000	44.350	0.040000
-2.000	46.750	0.045000
0.000	47.150	0.030000
21.000	49.050	0.030000
50.000	49.250	0.030000
51.000	53.950	0.030000

Name: 13G0550X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.080000
50.000	48.150	0.080000
100.000	48.950	0.080000

Name: 13G0600X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-20.000	49.450	0.050000
-17.000	48.550	0.050000

-14.000	46.450	0.080000
-12.000	45.550	0.080000
-10.000	45.450	0.080000
-7.000	45.450	0.080000
-6.000	46.150	0.080000
-3.000	48.750	0.050000
0.000	49.350	0.050000
25.000	51.450	0.030000
50.000	52.750	0.030000

Name: 13G1000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
35.000	46.950	0.150000
80.000	45.950	0.150000
122.500	45.850	0.150000
165.000	45.950	0.150000
195.000	46.950	0.150000
250.000	47.950	0.150000
275.000	48.950	0.150000

Name: 13G2000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	50.950	0.035000
18.000	48.950	0.035000
25.000	46.950	0.035000
31.000	43.950	0.035000
44.000	43.950	0.035000
50.000	46.950	0.050000
70.000	48.950	0.150000
100.000	49.950	0.150000

Name: 13G2100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.950	0.035000
60.000	48.950	0.035000
65.000	46.950	0.035000
71.000	43.950	0.035000
74.000	43.950	0.035000
80.000	46.950	0.050000
90.000	48.950	0.150000
120.000	49.950	0.150000

Name: 13G2200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
45.000	46.950	0.150000
82.000	46.850	0.150000
120.000	46.950	0.150000
140.000	48.950	0.150000

Name: 13H0100X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-400.000	53.350	0.030000
-325.000	53.050	0.110000
-300.000	53.150	0.110000
-250.000	53.550	0.110000
-200.000	53.650	0.030000
-148.000	53.550	0.030000
-95.000	53.150	0.030000
-64.000	53.050	0.030000
-44.000	53.250	0.030000
0.000	54.050	0.030000
30.000	55.650	0.050000
61.000	58.550	0.050000

Name: 13H0200X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	66.350	0.035000
30.000	65.950	0.035000
55.000	64.950	0.035000
75.000	64.850	0.040000
95.000	64.950	0.040000
115.000	65.950	0.035000

Name: 13I0300X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	57.930	0.013000
-36.500	57.670	0.013000
-33.000	57.150	0.080000
-28.000	54.950	0.050000
-23.000	51.450	0.050000
-19.000	50.350	0.050000
-16.000	51.050	0.050000
-10.000	52.650	0.050000
0.000	56.530	0.080000
25.000	56.650	0.040000
50.000	57.550	0.016000

Name: 13I0400X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-32.000	56.950	0.110000
-23.000	52.450	0.080000
-18.000	51.950	0.050000
-15.000	51.650	0.050000
-9.000	52.550	0.050000
-5.000	56.750	0.080000
0.000	58.650	0.080000
15.000	58.670	0.050000

Name: 13I0700X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-27.000	59.850	0.110000
-17.000	57.850	0.110000
-14.000	56.650	0.080000
-11.000	54.950	0.035000
-8.000	54.450	0.035000
-6.000	55.450	0.035000
-5.000	56.750	0.080000
0.000	58.550	0.080000
25.000	59.750	0.110000
50.000	59.850	0.110000

Name: 13I1000X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-17.000	60.850	0.080000
0.000	59.950	0.080000
2.000	58.750	0.080000
4.000	57.250	0.080000
7.000	56.950	0.080000
10.000	57.250	0.080000
13.000	58.950	0.080000
17.000	60.250	0.080000
22.000	62.250	0.080000

Name: 13I1250X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-246.000	61.950	0.050000
-126.000	60.950	0.050000
-104.000	59.950	0.050000
-80.000	60.150	0.050000
-62.000	60.250	0.100000
-59.000	57.950	0.080000
-55.000	57.050	0.080000
-53.000	57.250	0.080000
-51.000	59.750	0.080000
0.000	59.850	0.100000
40.000	60.350	0.040000
180.000	62.350	0.040000

Name: 13J0100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	59.950	0.030000
-30.000	58.550	0.030000
-22.000	57.050	0.025000
-19.000	55.450	0.025000
-16.000	54.250	0.025000
-13.000	54.250	0.025000
-10.000	54.250	0.025000
-5.000	55.850	0.025000
-2.000	57.250	0.025000
0.000	57.970	0.030000
20.000	60.550	0.030000
60.000	60.850	0.030000

Name: 13J0310X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	65.550	0.030000
-4.000	62.850	0.030000
0.000	62.250	0.030000
2.000	62.050	0.025000
4.000	60.750	0.025000
6.000	59.750	0.025000
7.000	58.750	0.025000
10.000	58.750	0.025000
12.000	58.750	0.025000
15.000	60.550	0.025000
19.000	62.250	0.025000
21.000	62.750	0.030000
24.000	64.150	0.030000

Name: 13J0600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	74.950	0.030000
-45.000	74.350	0.030000
-19.000	73.150	0.030000
-16.000	71.850	0.030000
-14.000	69.550	0.022000
-13.000	69.150	0.022000
-11.000	69.150	0.022000
-9.000	70.950	0.045000
-5.000	72.450	0.045000
0.000	74.250	0.110000
10.000	74.950	0.110000
25.000	75.080	0.022000

Name: 13J0640X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	75.650	0.110000
-14.000	75.650	0.110000
0.000	74.950	0.080000
5.000	70.150	0.080000
6.000	69.950	0.080000
9.000	70.250	0.080000
12.000	75.650	0.110000
37.000	75.550	0.110000
62.000	75.650	0.110000

Name: 13J0800X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-19.000	77.050	0.060000
-15.000	75.250	0.060000
-10.000	71.950	0.022000
-8.000	71.850	0.022000
-4.000	71.950	0.022000
0.000	76.550	0.060000
25.000	75.950	0.060000

Name: 13J0900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-60.000	76.250	0.030000
-40.000	75.850	0.110000
-15.000	74.850	0.110000
-13.000	73.650	0.110000
-8.000	72.450	0.080000
-5.000	71.950	0.080000
-2.000	72.550	0.080000
0.000	74.750	0.110000
25.000	74.950	0.110000
50.000	75.350	0.110000

Name: 13J1100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	77.750	0.040000
0.000	76.450	0.040000
5.000	74.050	0.040000
7.000	72.550	0.035000
9.000	71.950	0.035000
12.000	72.450	0.035000
16.000	75.050	0.080000

19.000	77.250	0.080000

Name: 13J1300X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	77.450	0.045000
-45.000	77.250	0.045000
-19.000	77.350	0.045000
-15.000	75.650	0.045000
-12.000	72.750	0.045000
-9.000	71.750	0.030000
-5.000	72.950	0.045000
-4.000	74.550	0.045000
0.000	76.950	0.045000
25.000	77.250	0.030000
50.000	77.250	0.030000

Name: 13J1400X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	77.950	0.040000
-23.000	77.550	0.045000
-19.000	75.350	0.045000
-15.000	73.050	0.035000
-12.000	72.650	0.035000
-9.000	72.650	0.035000
-5.000	75.350	0.080000
0.000	77.550	0.080000
30.000	78.550	0.080000

Name: 13J1600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-23.000	78.250	0.045000
-18.000	75.950	0.045000
-15.000	72.750	0.035000
-11.000	71.450	0.035000
-6.000	73.150	0.035000
-4.000	75.850	0.030000
0.000	77.750	0.045000
25.000	78.150	0.030000
50.000	78.250	0.030000

Name: 13J1700X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.000	76.350	0.080000
-70.000	74.950	0.080000
-68.000	73.850	0.080000
-64.000	72.850	0.080000
-61.000	73.650	0.080000
-59.000	74.750	0.080000
-55.000	76.550	0.080000
-39.000	77.150	0.080000
-18.000	78.150	0.080000
-14.000	78.150	0.080000
0.000	81.950	0.045000

Name: 13J1900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-45.000	85.550	0.045000
-25.000	82.150	0.045000
-19.000	79.150	0.045000
-14.000	75.950	0.035000
-10.000	75.050	0.035000
-7.000	76.250	0.035000
-5.000	78.250	0.040000
0.000	81.250	0.040000
25.000	81.750	0.040000
50.000	81.950	0.040000

Name: 13J2100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	81.350	0.030000
-15.000	81.250	0.080000
-12.000	79.350	0.080000
-10.000	75.550	0.080000
-8.000	75.350	0.080000
-6.000	75.650	0.080000
-4.000	78.850	0.060000
0.000	81.750	0.060000
50.000	82.350	0.030000

Name: 13K-W170 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	75.510	0.030000
4.400	73.610	0.030000
6.100	73.610	0.013000
6.101	72.000	0.013000
9.500	72.000	0.013000
9.501	73.590	0.013000
12.700	73.590	0.013000
17.100	75.490	0.030000

Name: 13K0100X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-49.000	56.050	0.110000
-24.000	55.650	0.110000
-19.000	54.450	0.110000
-15.000	54.250	0.110000
-12.000	50.750	0.080000
-9.000	50.250	0.080000
-7.000	50.650	0.080000
-5.000	53.450	0.080000
0.000	55.750	0.080000
25.000	56.350	0.030000
50.000	56.450	0.030000

Name: 13K0400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-77.000	61.120	0.030000
-67.000	60.750	0.030000
-60.000	59.450	0.030000
-43.000	57.550	0.030000
-21.000	57.050	0.030000
-20.000	55.850	0.040000
-17.000	55.050	0.040000
-15.000	55.450	0.040000
-13.000	57.350	0.030000
-10.000	57.950	0.030000

-7.000	59.550	0.030000
0.000	61.050	0.030000

Name: 13K1400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	69.050	0.040000
6.000	66.650	0.040000
10.000	65.350	0.040000
13.000	65.150	0.045000
16.000	65.250	0.040000
20.000	67.150	0.040000
24.000	68.250	0.030000
50.000	68.750	0.030000
75.000	68.950	0.030000

Name: 13K1600X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	76.950	0.040000
-11.000	75.550	0.045000
-8.000	72.450	0.050000
-7.000	72.250	0.050000
-5.000	72.450	0.050000
-4.000	74.250	0.045000
-2.000	76.150	0.040000
0.000	76.350	0.035000
20.000	76.550	0.030000

Name: 13K2000X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	82.650	0.080000
5.000	80.050	0.080000
7.000	78.350	0.050000
8.000	78.150	0.050000
10.000	78.350	0.050000
14.000	80.550	0.080000
17.000	82.350	0.080000
42.000	82.550	0.080000

Name: 13K_SJ30 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
290.000	77.950	0.150000
310.000	77.900	0.150000
330.000	77.950	0.150000
500.000	78.950	0.150000

Name: 13K_SJ35 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.550	0.150000
320.000	77.950	0.150000

Name: 13K_SJ40 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.950	0.150000
35.000	77.950	0.150000
395.000	77.150	0.150000
550.000	77.950	0.150000

Name: 13L-B09X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-13.000	57.070	0.016000
-13.000	52.550	0.016000
-9.000	51.250	0.025000
-6.000	49.350	0.025000
-4.000	48.450	0.045000
0.000	48.350	0.045000
3.000	48.950	0.045000
6.000	50.350	0.035000
10.000	51.750	0.025000
13.600	52.550	0.025000
13.600	57.020	0.016000

Name: 13L-B15X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	55.480	0.016000
-15.000	51.950	0.016000
-13.000	52.050	0.033000
-11.000	51.850	0.033000
-9.000	50.750	0.033000
-6.000	49.350	0.033000
-4.500	49.250	0.035000
-2.000	49.250	0.035000
0.000	49.350	0.035000
4.000	49.650	0.035000
6.000	50.650	0.033000
8.000	51.450	0.033000
10.000	51.750	0.033000
12.000	52.230	0.033000
13.300	52.330	0.033000
15.000	52.750	0.033000
15.000	55.440	0.016000

Name: 13L-B18R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	59.000	0.050000
20.000	57.000	0.050000
105.000	56.000	0.050000
140.000	56.000	0.015000
175.000	56.000	0.050000
190.000	57.000	0.050000

Name: 13L-B18X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
127.500	55.250	0.035000
127.500	53.750	0.035000
133.000	52.310	0.035000
133.000	55.250	0.040000
133.450	55.250	0.040000
133.450	52.310	0.040000
137.500	51.250	0.035000
138.780	51.120	0.035000

138.780	55.250	0.040000
139.230	55.250	0.040000
139.230	51.120	0.040000
143.500	50.750	0.035000
144.980	51.290	0.035000
144.980	55.250	0.040000
145.430	55.250	0.040000
145.430	51.290	0.040000
150.500	53.750	0.035000
150.500	55.250	0.035000

Name: 13L-B19R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-83.000	58.950	0.035000
-82.000	57.950	0.035000
-11.000	56.950	0.035000
0.000	55.950	0.013000
12.000	56.550	0.015000
24.000	56.550	0.015000
36.000	55.950	0.015000
47.000	55.950	0.013000
153.000	56.050	0.035000
208.000	56.950	0.035000
473.000	57.850	0.035000

Name: 13L-B19X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	55.600	0.040000
4.000	55.450	0.040000
9.530	54.010	0.045000
9.530	55.600	0.040000
9.980	55.600	0.040000
9.980	54.010	0.040000
14.000	52.950	0.045000
15.280	53.010	0.045000
15.280	55.600	0.040000
15.730	55.600	0.040000
15.730	53.010	0.040000
20.000	53.190	0.045000
21.030	53.590	0.045000
21.030	55.600	0.040000
21.480	55.600	0.040000
21.480	53.590	0.040000
27.000	55.450	0.045000
27.000	55.600	0.045000

Name: 13L-B20R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-226.000	59.950	0.040000
-225.000	57.950	0.035000
-82.000	56.250	0.035000
-32.000	56.850	0.035000
-11.000	56.820	0.035000
0.000	56.580	0.013000
12.000	57.170	0.015000
18.000	57.130	0.015000
24.000	57.130	0.015000
36.000	56.620	0.015000
47.000	56.660	0.013000
68.000	56.750	0.035000
118.000	57.150	0.035000
154.000	57.950	0.035000

Name: 13L-B20X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	56.100	0.040000
4.000	55.850	0.040000
9.530	54.390	0.035000
9.530	56.100	0.040000
9.980	56.100	0.040000
9.980	54.390	0.040000
14.000	53.310	0.035000
15.280	53.370	0.035000
15.280	56.100	0.040000
15.730	56.100	0.040000
15.730	53.370	0.040000
20.000	53.550	0.035000
21.030	53.960	0.035000
21.030	56.100	0.040000
21.480	56.100	0.040000
21.480	53.960	0.040000
27.000	56.020	0.035000
27.000	56.120	0.040000

Name: 13L-W082 Group: 13L
Encroachment: No

Revised to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.910	0.035000
4.950	51.810	0.035000
9.900	51.630	0.035000
14.850	51.490	0.035000
19.800	51.430	0.035000
24.750	51.420	0.035000
29.700	51.390	0.035000
34.660	51.350	0.035000
39.610	51.390	0.035000
44.560	51.520	0.035000
49.510	51.670	0.035000
54.460	51.750	0.035000
59.410	51.720	0.035000
64.360	51.610	0.035000
69.310	51.420	0.035000
74.260	51.390	0.035000
79.210	51.400	0.035000
84.160	51.430	0.035000
89.110	51.440	0.035000
94.070	51.460	0.035000
99.020	51.640	0.035000
103.970	51.840	0.035000
108.920	52.070	0.035000
113.870	51.970	0.035000
118.820	51.760	0.035000
123.770	51.580	0.035000
128.720	51.430	0.035000
133.670	51.180	0.035000
137.500	50.880	0.035000
141.320	50.750	0.035000
145.140	50.820	0.035000
150.120	50.990	0.035000
155.090	51.450	0.035000
159.660	51.990	0.035000
164.230	52.010	0.035000
168.800	51.690	0.035000
173.400	51.500	0.035000
178.010	51.570	0.035000
182.620	51.950	0.035000
187.220	52.120	0.035000
191.830	52.100	0.035000
196.430	52.350	0.035000
201.040	52.250	0.035000
205.640	52.460	0.035000
210.250	53.180	0.035000
214.850	53.590	0.035000
219.460	53.800	0.035000
224.160	53.940	0.035000
228.850	54.040	0.035000
233.550	54.090	0.035000
238.250	54.140	0.035000
242.950	54.180	0.035000
247.640	54.260	0.035000

Name: 13L-W190 Group: 13L
Encroachment: No

WINTER PARK DR CONTROL STRUCTURE 13L1900D

Station(ft)	Elevation(ft)	Manning's N
0.000	57.950	0.035000
10.500	54.420	0.035000
26.100	54.420	0.013000
26.110	53.450	0.013000
33.500	53.450	0.013000
33.510	54.450	0.013000
48.500	54.450	0.013000
59.000	57.950	0.035000

Name: 13L-W192 Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.250	0.030000
4.920	58.440	0.030000
9.830	58.580	0.030000
14.750	58.490	0.030000
19.670	58.350	0.030000
24.590	58.220	0.030000
29.500	58.090	0.030000
34.420	57.840	0.080000
39.340	57.400	0.080000
44.260	57.120	0.080000
49.170	57.040	0.080000
54.090	56.820	0.080000
59.010	56.680	0.080000
63.930	56.780	0.080000
68.840	56.920	0.080000
73.760	56.970	0.080000
78.680	57.120	0.080000
83.590	57.340	0.080000
88.510	57.350	0.080000
92.940	57.130	0.080000
97.370	56.910	0.080000
101.790	56.640	0.080000
106.220	56.580	0.080000
110.650	56.890	0.080000
115.080	56.860	0.080000
119.500	56.770	0.080000
123.930	56.690	0.080000
128.850	56.830	0.080000
133.770	57.040	0.080000
138.690	57.240	0.080000
143.610	57.310	0.080000
147.920	57.210	0.080000
152.220	57.130	0.080000
156.530	57.070	0.080000
160.830	57.140	0.080000
165.140	57.310	0.080000
169.440	57.550	0.080000
173.750	57.740	0.080000
178.480	57.840	0.080000
183.220	57.720	0.080000
187.950	57.450	0.080000
192.690	56.940	0.080000
197.430	56.720	0.080000
202.160	56.560	0.080000
206.900	56.530	0.080000
211.630	56.600	0.080000
216.370	56.840	0.080000
221.110	57.350	0.080000
225.840	58.020	0.080000
230.580	58.130	0.080000
235.320	58.240	0.080000
240.050	58.560	0.080000
244.790	58.790	0.080000
249.710	59.050	0.080000
254.630	58.980	0.080000
259.550	58.330	0.080000
264.460	57.780	0.080000
269.380	57.420	0.080000
274.300	57.270	0.080000
279.220	57.440	0.080000

284.140	57.570	0.080000
289.060	57.280	0.080000
293.980	57.030	0.080000
298.900	56.840	0.080000
303.820	56.710	0.080000
308.740	56.460	0.080000
313.650	56.220	0.080000
318.570	56.170	0.080000
323.490	56.110	0.080000
328.410	56.010	0.080000
333.330	56.090	0.080000
338.250	56.300	0.080000
343.170	56.430	0.080000
348.090	56.240	0.080000
352.750	56.090	0.080000
357.410	55.910	0.080000
362.070	55.970	0.080000
366.730	56.160	0.080000
371.390	56.330	0.080000
376.060	56.390	0.080000
380.720	56.480	0.080000
385.380	56.470	0.080000
390.050	56.430	0.080000
394.720	56.380	0.080000
399.390	56.320	0.080000
404.050	56.300	0.080000
408.720	56.290	0.080000
413.390	56.220	0.080000
418.050	56.000	0.080000
423.010	55.960	0.080000
427.970	55.830	0.080000
432.930	55.720	0.080000
437.890	55.630	0.080000
442.860	55.660	0.080000
447.820	55.700	0.080000
452.780	55.790	0.080000
457.140	55.680	0.080000
461.500	55.620	0.080000
465.860	55.610	0.080000
470.220	55.560	0.080000
474.580	55.450	0.080000
478.940	55.330	0.080000
483.310	55.220	0.080000
488.160	55.110	0.080000
493.020	55.040	0.080000
497.880	55.030	0.080000
502.740	55.100	0.080000
507.600	55.110	0.080000
512.460	55.050	0.080000
517.320	55.000	0.080000
522.180	55.040	0.080000
527.040	54.980	0.080000
531.890	54.970	0.080000
536.750	54.990	0.080000
541.610	55.030	0.080000
546.470	55.070	0.080000
551.330	55.070	0.080000
556.190	55.050	0.080000
561.050	55.030	0.080000
565.910	55.000	0.080000
570.760	55.010	0.080000
575.620	55.110	0.080000
580.480	55.310	0.080000
585.450	55.400	0.080000
590.410	55.400	0.080000
595.380	55.440	0.080000
600.340	55.450	0.080000
605.310	55.490	0.080000
610.270	55.600	0.080000
615.240	55.880	0.080000
620.200	55.930	0.080000
625.170	56.040	0.080000
630.040	56.040	0.080000
634.910	56.000	0.080000
639.780	55.860	0.080000
644.650	55.750	0.080000
649.520	55.700	0.080000
654.390	55.650	0.080000
659.260	55.610	0.080000
664.130	55.580	0.080000
669.000	55.580	0.080000
673.860	55.590	0.080000
678.730	55.570	0.080000
683.600	55.540	0.080000
688.470	55.510	0.080000

693.340	55.550	0.080000
698.210	55.710	0.080000
702.990	55.770	0.080000
707.770	55.640	0.080000
712.550	55.480	0.080000
717.320	55.350	0.080000
722.100	55.290	0.080000
726.880	55.340	0.080000
731.660	55.570	0.080000
736.430	55.980	0.080000
741.210	56.030	0.080000
745.990	56.060	0.080000
750.760	56.010	0.080000
755.420	55.870	0.080000
760.080	55.900	0.080000
764.740	56.070	0.080000
769.400	56.090	0.080000
774.060	56.030	0.080000
778.720	56.070	0.080000
783.380	56.140	0.080000
788.030	56.200	0.080000
792.690	56.250	0.080000
797.350	56.350	0.080000
802.010	56.500	0.080000
806.800	56.710	0.080000
811.590	56.880	0.080000
816.370	56.920	0.080000
821.160	56.990	0.080000
825.950	57.080	0.080000
830.740	57.210	0.080000
835.520	57.410	0.080000
840.310	57.480	0.080000
845.100	57.590	0.080000
849.890	57.780	0.080000
854.680	58.120	0.080000
859.460	58.660	0.030000
864.250	59.530	0.030000
869.040	59.740	0.030000
873.830	59.370	0.030000
878.800	59.170	0.030000
883.760	59.280	0.030000
888.730	59.960	0.030000
893.700	60.700	0.030000
898.670	61.160	0.030000

Name: 13L-W196 Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-210.000	57.850	0.035000
0.000	56.950	0.035000
140.000	55.950	0.035000
170.000	55.450	0.072500
200.000	55.950	0.110000
260.000	56.950	0.110000
470.000	57.950	0.110000

Name: 13L-W311 Group: 13L
Encroachment: No

points revised from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	85.500	0.050000
4.470	85.330	0.050000
8.930	85.190	0.050000
13.400	85.300	0.050000
17.860	85.260	0.050000
22.330	85.080	0.050000
26.800	85.000	0.050000
31.770	85.000	0.050000
36.740	84.780	0.050000
41.710	84.590	0.050000
46.690	84.560	0.050000
51.660	84.660	0.050000
56.630	84.890	0.050000
61.500	84.430	0.050000
66.370	84.340	0.050000
71.250	84.460	0.050000

76.120	84.500	0.050000
80.990	84.440	0.050000
85.860	84.220	0.050000
90.800	84.090	0.050000
95.730	84.060	0.050000
100.670	84.120	0.050000
105.600	84.180	0.050000
110.540	84.190	0.050000
115.470	84.300	0.050000
120.410	84.230	0.050000
125.340	84.190	0.050000
130.270	84.080	0.050000
135.190	84.080	0.050000
140.110	84.130	0.050000
145.040	84.220	0.050000
149.960	84.290	0.050000
154.490	84.250	0.050000
159.020	84.290	0.050000
163.550	84.220	0.050000
168.080	84.290	0.050000
172.610	84.360	0.050000
177.140	84.300	0.050000
181.670	84.350	0.050000
186.550	84.170	0.050000
191.430	84.300	0.050000
196.310	84.320	0.050000
201.200	84.200	0.050000
206.080	84.430	0.050000
210.960	84.570	0.050000
215.250	84.460	0.050000
219.530	84.350	0.050000
223.820	84.380	0.050000
228.110	84.480	0.050000
232.400	84.430	0.050000
236.480	84.320	0.050000
240.570	84.410	0.050000
244.650	84.360	0.050000
248.740	84.440	0.050000
252.970	84.620	0.050000
257.200	84.760	0.050000
261.430	84.750	0.050000
265.670	84.650	0.050000
270.200	84.670	0.050000
274.730	84.750	0.050000
279.270	84.950	0.050000
283.800	84.780	0.050000
288.010	84.760	0.050000
292.210	85.110	0.050000
296.420	85.350	0.050000

Name: 13L0100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.150	0.030000
2.000	51.350	0.040000
4.000	49.350	0.040000
11.000	47.050	0.080000
15.000	47.250	0.080000
21.000	47.750	0.040000
24.000	48.450	0.030000
28.000	49.550	0.030000
29.000	50.950	0.030000
35.000	52.650	0.030000

Name: 13L0200X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	54.950	0.030000
3.000	54.350	0.080000
5.000	53.150	0.080000
7.000	52.950	0.080000
9.000	50.750	0.080000
18.000	48.350	0.080000
20.000	48.650	0.045000
24.000	49.650	0.045000

28.000	52.050	0.045000
32.000	54.350	0.040000
57.000	55.050	0.030000

Name: 13L0400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.130	0.013000
3.630	52.100	0.013000
4.820	52.080	0.030000
9.640	50.600	0.030000
14.460	49.570	0.030000
19.280	49.460	0.030000
24.100	49.460	0.030000
28.920	49.460	0.030000
33.740	49.460	0.030000
38.560	49.460	0.030000
43.380	49.460	0.030000
48.200	49.460	0.030000
53.020	49.460	0.030000
57.840	49.760	0.030000
62.660	51.340	0.050000
67.480	52.170	0.060000
72.300	52.010	0.060000

Name: 13L0700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.350	0.030000
1.000	51.050	0.040000
3.000	49.650	0.040000
5.000	48.950	0.040000
8.000	47.850	0.035000
13.000	46.550	0.035000
18.000	46.750	0.035000
39.000	48.050	0.035000
46.000	50.450	0.080000
49.000	51.250	0.080000
57.000	51.350	0.080000
72.000	52.750	0.080000

Name: 13L1200X Group: 13L
Encroachment: No

Revision
Added - Golf Cart path seperating Middle and South Triplet Lake

Station(ft)	Elevation(ft)	Manning's N
0.000	52.230	0.030000
4.990	52.180	0.030000
9.980	52.180	0.030000
14.970	52.180	0.030000
19.950	52.040	0.030000
24.940	52.010	0.030000
29.930	52.050	0.030000
34.920	52.040	0.030000
39.910	51.990	0.030000
44.900	51.940	0.030000
49.890	51.970	0.030000
54.870	52.080	0.030000
59.860	52.200	0.030000
84.800	51.830	0.030000
89.790	51.230	0.030000
94.780	50.600	0.030000
99.770	49.980	0.030000
104.760	49.570	0.030000
109.750	49.460	0.030000
114.740	49.460	0.030000
119.720	49.440	0.030000
124.710	49.570	0.030000
129.700	50.200	0.030000
134.690	50.980	0.030000
139.680	51.330	0.030000

144.670	51.500	0.030000
149.660	51.810	0.030000
154.640	52.000	0.030000
159.630	52.060	0.030000
164.620	52.190	0.030000
169.610	52.330	0.030000
174.600	52.530	0.030000
179.590	52.650	0.030000
184.570	52.740	0.030000
189.560	52.830	0.030000
194.550	52.880	0.030000
199.540	53.000	0.030000
204.530	53.120	0.030000
209.520	53.200	0.030000
214.510	53.300	0.030000

Name: 13L1202XW Group: GEE
Encroachment: No

DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	60.490	0.000000
4.600	60.450	0.000000
9.200	60.410	0.000000
13.800	60.320	0.000000
18.400	59.960	0.000000
22.900	60.440	0.000000
26.700	60.470	0.000000
30.600	60.370	0.000000
34.700	60.290	0.000000
38.800	60.320	0.000000
42.900	60.480	0.000000
47.000	60.570	0.000000
52.000	60.690	0.000000
56.900	60.470	0.000000
62.200	60.500	0.000000

Name: 13L1300X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.450	0.040000
2.000	51.050	0.045000
5.000	49.550	0.045000
9.000	47.850	0.040000
17.000	47.450	0.040000
20.000	48.350	0.040000
24.000	50.250	0.040000
25.000	51.250	0.040000
31.000	52.250	0.030000

Name: 13L1400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.590	0.013000
0.200	52.450	0.020000
1.500	51.950	0.020000
4.000	51.550	0.020000
5.000	51.150	0.035000
7.000	49.850	0.035000
9.000	49.150	0.035000
12.000	48.950	0.035000
17.000	49.550	0.035000
19.000	49.950	0.035000
21.000	50.550	0.035000
23.000	51.450	0.035000
25.000	51.950	0.030000
27.000	52.350	0.030000
29.000	52.750	0.030000
30.000	52.850	0.030000
30.200	57.820	0.013000

Name: 13L1600X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.510	0.013000
0.200	51.950	0.030000
2.000	52.050	0.030000
4.000	51.850	0.030000
6.000	50.750	0.030000
9.000	49.350	0.030000
10.500	49.250	0.035000
13.000	49.250	0.035000
15.000	49.350	0.035000
19.000	49.650	0.035000
21.000	50.650	0.030000
23.000	51.450	0.030000
25.000	51.750	0.030000
27.000	52.230	0.030000
28.300	52.330	0.030000
30.000	52.750	0.030000
30.200	57.510	0.013000

Name: 13L1890XW1 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	59.390	0.000000
4.200	59.250	0.000000
8.400	58.900	0.000000
12.600	58.960	0.000000
16.800	59.080	0.000000
20.900	58.970	0.000000
25.100	58.800	0.000000
29.300	58.610	0.000000
33.500	58.420	0.000000
37.700	58.280	0.000000
41.800	57.920	0.000000
46.400	57.640	0.000000
51.000	57.560	0.000000
55.600	57.540	0.000000
60.200	57.510	0.000000
64.800	57.500	0.000000
69.400	57.580	0.000000
74.100	57.540	0.000000
78.700	57.510	0.000000
83.300	57.550	0.000000
87.900	57.460	0.000000
92.500	57.380	0.000000
97.100	57.340	0.000000
101.900	57.300	0.000000
106.800	57.440	0.000000
111.700	57.350	0.000000
116.600	57.290	0.000000
121.500	57.260	0.000000
126.300	57.140	0.000000
131.100	57.120	0.000000
136.000	57.100	0.000000
140.800	57.080	0.000000
145.700	57.030	0.000000
150.500	57.040	0.000000
155.300	57.020	0.000000
160.200	56.950	0.000000
165.000	56.950	0.000000
169.800	57.000	0.000000
174.700	56.930	0.000000
179.500	56.790	0.000000
184.400	56.770	0.000000
189.200	56.690	0.000000
194.100	56.730	0.000000
199.000	56.650	0.000000
203.800	56.690	0.000000
208.700	56.610	0.000000
213.600	56.630	0.000000
218.400	56.640	0.000000
223.300	56.630	0.000000
228.100	56.680	0.000000
233.000	56.650	0.000000
237.900	56.680	0.000000

242.700	56.640	0.000000
247.600	56.560	0.000000
252.400	56.590	0.000000
257.300	56.650	0.000000
262.200	56.600	0.000000
267.000	56.610	0.000000
271.900	56.630	0.000000
276.800	56.620	0.000000
281.600	56.620	0.000000
286.500	56.660	0.000000
291.300	56.660	0.000000
296.000	56.710	0.000000
300.600	56.730	0.000000
305.200	56.750	0.000000
309.800	56.810	0.000000
314.400	56.800	0.000000
319.000	56.870	0.000000
323.600	56.870	0.000000
328.300	56.920	0.000000
332.900	56.930	0.000000
337.500	57.020	0.000000
342.100	57.050	0.000000
346.700	57.110	0.000000
351.600	57.180	0.000000
356.400	57.210	0.000000
361.200	57.440	0.000000
366.000	57.420	0.000000
370.800	57.420	0.000000
375.700	57.570	0.000000
380.500	57.810	0.000000
385.300	57.980	0.000000
393.400	58.100	0.000000

Name: 13L1890XW2 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	56.410	0.000000
5.000	56.450	0.000000
9.900	56.410	0.000000
14.900	56.420	0.000000
19.800	56.430	0.000000
24.800	56.360	0.000000
29.700	56.340	0.000000
34.300	56.360	0.000000
38.900	56.330	0.000000
43.400	56.290	0.000000
48.000	56.240	0.000000
52.700	56.190	0.000000
57.400	56.090	0.000000
62.200	55.940	0.000000
66.900	55.830	0.000000
71.700	55.750	0.000000
76.400	55.700	0.000000
81.100	55.710	0.000000
85.900	55.670	0.000000
90.600	55.620	0.000000
95.300	55.610	0.000000
100.100	55.630	0.000000
104.800	55.650	0.000000
109.200	55.650	0.000000
113.600	55.560	0.000000
118.000	55.530	0.000000
122.400	55.600	0.000000
126.800	55.630	0.000000
131.200	55.590	0.000000
136.100	55.510	0.000000
140.900	55.380	0.000000
145.800	55.350	0.000000
150.700	55.370	0.000000
155.300	55.440	0.000000
160.000	55.750	0.000000
164.600	56.610	0.000000
169.600	58.300	0.000000
174.500	59.990	0.000000
178.900	60.730	0.000000

Name: 13L1945X Group: 13L
Encroachment: No

Revision
xsec points estimated from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.870	0.030000
4.690	58.790	0.030000
9.380	58.680	0.030000
14.070	58.640	0.030000
18.760	58.660	0.030000
23.450	58.650	0.030000
28.140	58.630	0.030000
32.830	58.650	0.030000
37.510	58.660	0.030000
41.930	58.670	0.030000
46.350	58.710	0.030000
50.770	58.720	0.030000
55.180	58.740	0.030000
59.600	58.680	0.030000
64.020	58.660	0.030000
68.430	58.600	0.030000
73.140	58.590	0.030000
77.840	58.630	0.030000
82.540	58.690	0.030000
87.250	58.720	0.030000
91.950	58.760	0.030000
96.650	58.780	0.030000
101.360	58.790	0.030000
106.060	58.790	0.030000
110.760	58.800	0.030000
115.470	58.810	0.030000
120.170	58.840	0.030000

Name: 13L1951X Group: GEE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	56.862	0.000000
4.565	56.816	0.000000
9.129	56.693	0.000000
13.694	56.453	0.000000
18.259	56.252	0.000000
23.011	56.270	0.000000
27.763	56.623	0.000000
32.515	56.762	0.000000
37.268	57.042	0.000000
41.208	57.152	0.000000
45.149	57.325	0.000000
49.090	57.579	0.000000
53.031	57.783	0.000000

Name: 13L2300X Group: BASE
Encroachment: No

FROM DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	68.690	0.000000
5.000	68.660	0.000000
9.900	68.620	0.000000
14.900	68.580	0.000000
19.900	68.540	0.000000
24.800	68.460	0.000000
29.800	68.190	0.000000
34.800	67.980	0.000000
39.700	67.790	0.000000
44.700	67.590	0.000000
49.700	67.430	0.000000
54.400	67.330	0.000000
59.200	67.260	0.000000
63.900	67.350	0.000000
68.700	67.540	0.000000
73.500	67.750	0.000000
78.300	67.920	0.000000
83.100	67.890	0.000000
87.800	67.880	0.000000
92.600	67.870	0.000000
97.400	67.900	0.000000
97.800	67.890	0.000000

Name: 13L2400XW Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	72.770	0.000000
4.700	72.620	0.000000
9.400	71.980	0.000000
14.100	71.830	0.000000
18.900	71.980	0.000000
23.600	72.070	0.000000
28.300	71.980	0.000000
33.000	71.890	0.000000
37.700	72.000	0.000000
42.400	72.100	0.000000
46.800	72.420	0.000000

Name: 13L2700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	75.950	0.030000
-32.000	75.450	0.030000
-27.000	74.150	0.030000
-21.000	71.580	0.040000
-18.000	69.750	0.040000
-16.000	69.390	0.040000
-12.000	69.470	0.040000
-9.000	71.550	0.040000
0.000	74.850	0.030000
25.000	74.950	0.030000

Name: 13L2800X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	79.650	0.030000
-32.000	78.850	0.030000
-28.000	78.250	0.040000
-24.000	75.750	0.045000
-20.000	71.750	0.045000
-13.000	70.550	0.080000
-7.000	71.750	0.045000
-5.000	74.650	0.045000
-1.000	77.750	0.030000
0.000	77.750	0.030000

Name: 13L3000X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	80.280	0.030000
-35.000	80.050	0.030000
-28.000	75.850	0.045000
-24.000	72.850	0.045000
-18.000	72.450	0.040000
-12.000	73.050	0.045000
-9.000	75.550	0.045000
-4.000	79.150	0.030000
0.000	79.850	0.030000

Name: 13L3100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-40.000	81.290	0.040000
-32.000	81.250	0.045000
-26.000	78.450	0.045000
-20.000	73.350	0.045000
-17.000	72.750	0.045000
-12.000	73.250	0.045000
-10.000	76.850	0.045000
-5.000	79.650	0.030000
0.000	80.750	0.030000

Name: 13M0300X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-44.000	54.350	0.030000
-40.000	53.350	0.030000
-36.000	49.650	0.035000
-19.000	48.650	0.045000
-11.000	53.550	0.050000
0.000	54.650	0.050000
25.000	54.750	0.030000

Name: 13M0400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	53.950	0.050000
10.000	51.950	0.050000
12.000	49.750	0.035000
16.000	47.950	0.035000
60.000	51.950	0.035000
70.000	52.950	0.050000
80.000	53.950	0.050000

Name: 13M0500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-66.000	54.250	0.030000
-41.000	53.050	0.030000
-35.000	49.550	0.050000
-32.000	47.750	0.050000
-29.000	46.150	0.050000
-22.000	46.250	0.050000
-15.000	46.250	0.050000
-9.000	49.650	0.050000
-5.000	52.050	0.050000
0.000	53.650	0.030000
25.000	53.350	0.030000
50.000	54.750	0.030000

Name: 13M0700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	55.250	0.030000
0.000	54.550	0.030000
3.000	54.250	0.030000
7.000	52.550	0.040000
9.000	50.750	0.040000
13.000	50.550	0.035000
19.000	50.750	0.040000
21.000	53.050	0.050000
23.000	53.750	0.080000

Name: 13M1100X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.950	0.030000
3.000	58.950	0.030000
10.000	56.250	0.030000
18.000	55.350	0.045000
26.000	53.150	0.080000
28.000	52.750	0.080000
30.000	53.550	0.080000
33.000	54.950	0.080000
40.000	56.050	0.080000
42.000	56.350	0.080000

Name: 13M1200X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.150	0.030000
17.000	56.350	0.030000
23.000	55.350	0.040000
28.000	54.350	0.045000
31.000	53.750	0.045000
35.000	54.150	0.045000
39.000	54.550	0.045000
43.000	55.950	0.045000
46.000	56.850	0.045000

Name: 13M1400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-5.000	59.050	0.030000
0.000	58.050	0.030000
19.000	56.850	0.045000
25.000	55.950	0.045000
30.000	54.850	0.045000
33.000	54.150	0.045000
36.000	54.850	0.045000
41.000	56.750	0.045000
45.000	58.050	0.045000

Name: 13M1400XW Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	58.390	0.000000
5.000	58.430	0.000000
9.900	57.710	0.000000
14.900	56.560	0.000000
19.800	56.150	0.000000
24.800	56.510	0.000000
29.800	57.730	0.000000
34.700	58.760	0.000000

Name: 13M1500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.000	61.750	0.030000
-28.000	59.050	0.030000
-14.000	55.050	0.040000
-11.000	55.450	0.080000
-8.000	55.050	0.080000
-5.000	57.150	0.080000
0.000	58.650	0.080000

Name: 13M1700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	61.250	0.030000
-25.000	60.150	0.030000
0.000	59.750	0.080000
3.000	58.350	0.080000
5.000	56.650	0.080000
8.000	55.550	0.035000
25.000	56.750	0.040000
27.000	55.650	0.040000
29.000	59.250	0.030000
55.000	60.050	0.030000

Name: 13M2331X Group: 13M
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	74.740	0.030000
3.710	74.630	0.030000
7.420	74.540	0.030000
11.130	74.370	0.030000
14.580	73.840	0.030000
18.020	73.220	0.030000
21.460	73.330	0.030000
25.300	74.060	0.030000
29.150	74.510	0.030000
32.340	74.490	0.030000
35.540	74.520	0.030000

Name: 13M2331XW2 Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	73.590	0.000000
4.700	73.440	0.000000
9.400	73.370	0.000000
14.100	73.310	0.000000
18.800	73.290	0.000000
23.500	73.280	0.000000
28.200	73.190	0.000000
32.800	73.230	0.000000
37.500	73.080	0.000000
42.200	73.150	0.000000
46.900	73.240	0.000000
51.600	73.220	0.000000
56.300	73.180	0.000000
61.000	73.190	0.000000
65.700	73.220	0.000000
70.400	73.250	0.000000
75.100	73.240	0.000000
79.800	73.160	0.000000
84.500	73.050	0.000000
89.300	72.990	0.000000
94.000	72.920	0.000000
98.700	72.880	0.000000
103.400	72.820	0.000000
108.200	72.780	0.000000
112.900	72.600	0.000000
117.600	72.450	0.000000
122.300	72.290	0.000000
127.100	72.100	0.000000
131.800	71.840	0.000000
136.500	71.500	0.000000
141.200	71.250	0.000000
146.100	71.070	0.000000
151.000	70.950	0.000000
155.900	70.830	0.000000
160.700	70.660	0.000000
165.600	70.460	0.000000
170.500	70.360	0.000000
175.300	70.340	0.000000
180.200	70.240	0.000000

185.100	70.190	0.000000
189.900	70.190	0.000000
194.800	69.960	0.000000
199.700	69.910	0.000000
204.500	69.950	0.000000
209.400	69.930	0.000000
214.300	69.920	0.000000
219.100	69.960	0.000000
224.000	70.030	0.000000
228.900	70.150	0.000000
233.700	70.270	0.000000
238.600	70.370	0.000000
243.500	70.370	0.000000
248.300	70.460	0.000000
253.200	70.440	0.000000
258.100	70.420	0.000000
262.900	70.430	0.000000
267.700	70.400	0.000000
272.400	70.390	0.000000
277.100	70.400	0.000000
281.800	70.410	0.000000
286.500	70.420	0.000000
291.200	70.390	0.000000
295.900	70.400	0.000000
300.100	70.300	0.000000
304.300	70.220	0.000000
308.500	70.170	0.000000
312.700	70.200	0.000000
316.900	70.170	0.000000
321.100	70.180	0.000000
326.000	70.140	0.000000
330.800	70.080	0.000000
335.600	70.010	0.000000
340.500	69.920	0.000000
345.300	69.960	0.000000
350.100	69.990	0.000000
354.900	69.950	0.000000
359.700	69.910	0.000000
364.500	69.770	0.000000
369.300	69.630	0.000000
374.100	69.600	0.000000
378.900	69.590	0.000000
383.700	69.530	0.000000
388.500	69.480	0.000000
393.300	69.450	0.000000
398.100	69.400	0.000000
402.900	69.410	0.000000
407.700	69.410	0.000000
412.500	69.400	0.000000
417.300	69.320	0.000000
422.100	69.280	0.000000
426.900	69.270	0.000000
431.700	69.240	0.000000
436.500	69.200	0.000000
441.300	69.130	0.000000
446.100	69.080	0.000000
450.900	69.060	0.000000
455.700	69.050	0.000000
460.500	69.050	0.000000
465.300	69.120	0.000000
470.100	69.130	0.000000
474.900	69.080	0.000000
479.700	69.080	0.000000
484.500	69.100	0.000000
489.300	69.120	0.000000
494.100	69.150	0.000000
498.800	69.100	0.000000
503.500	68.920	0.000000
508.200	68.710	0.000000
512.900	68.660	0.000000
517.600	68.540	0.000000
522.300	68.430	0.000000
527.000	68.330	0.000000
531.700	68.190	0.000000
536.400	68.110	0.000000
541.100	68.010	0.000000
545.800	67.980	0.000000
552.300	67.820	0.000000

Name: 13M2334X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	72.950	0.035000
15.000	71.950	0.035000
60.000	70.950	0.035000
100.000	69.950	0.035000
107.500	69.350	0.035000
115.000	69.950	0.035000
130.000	72.950	0.035000

Name: 13M2340X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	73.950	0.035000
15.000	72.950	0.035000
25.000	71.950	0.035000
65.000	70.950	0.035000
70.000	69.950	0.035000
85.000	69.950	0.035000
105.000	70.950	0.035000
125.000	71.950	0.035000
145.000	73.950	0.035000

Name: 13N0100X Group: 13N
Encroachment: No

Revised points to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.480	0.050000
4.990	51.340	0.050000
9.980	51.210	0.050000
14.970	51.130	0.050000
19.960	51.090	0.050000
24.950	51.090	0.050000
29.940	51.120	0.050000
34.930	51.390	0.050000
39.920	51.770	0.050000
44.910	50.630	0.035000
49.900	49.490	0.035000
54.890	49.420	0.035000
59.870	49.640	0.035000
64.860	50.780	0.035000
69.850	51.600	0.035000
74.840	51.820	0.050000
79.830	51.820	0.050000
84.820	51.740	0.050000
89.810	51.560	0.050000
94.800	51.470	0.050000
99.790	51.530	0.050000
104.780	51.480	0.050000
105.870	51.450	0.050000

Name: 13N0200X Group: 13N
Encroachment: No

xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.630	0.030000
4.910	56.630	0.030000
9.820	56.620	0.030000
14.730	56.560	0.030000
19.640	56.520	0.030000
24.550	56.500	0.030000
29.460	56.470	0.030000
34.370	56.450	0.030000
39.280	56.400	0.030000
44.190	56.360	0.030000
48.910	56.290	0.030000
53.630	56.250	0.030000
58.350	56.180	0.030000
63.070	56.140	0.030000
67.780	56.080	0.030000
72.500	56.020	0.030000
77.220	56.030	0.030000

81.940	55.960	0.030000
86.650	55.960	0.030000
91.370	55.930	0.030000
96.090	55.920	0.030000
100.810	55.880	0.030000
105.520	55.850	0.030000
110.240	55.870	0.030000
114.960	55.870	0.030000
119.630	55.890	0.030000
124.290	55.870	0.030000
128.960	55.880	0.030000
133.620	55.900	0.030000
138.290	56.010	0.030000
142.950	56.100	0.030000
147.620	56.090	0.030000
152.310	56.230	0.030000
157.010	56.300	0.030000
161.700	56.300	0.030000
161.960	56.310	0.030000

Name: 13N0300X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	54.750	0.060000
0.000	54.250	0.040000
4.000	51.950	0.040000
7.000	49.850	0.035000
9.000	49.850	0.035000
12.000	49.850	0.035000
15.000	51.250	0.050000
23.000	55.750	0.050000
34.000	54.150	0.110000

Name: 13N0350X Group: 13N
Encroachment: No

ELEVATIONS FROM LIDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	57.120	0.030000
4.960	56.960	0.030000
9.920	56.920	0.030000
14.880	56.860	0.030000
19.840	56.790	0.030000
24.810	56.770	0.030000
29.770	56.760	0.030000
34.730	56.700	0.030000
39.690	56.670	0.030000
44.650	56.630	0.030000
49.610	56.610	0.030000
54.570	56.570	0.030000
59.530	56.520	0.030000
64.490	56.480	0.030000
69.460	56.430	0.030000
74.420	56.460	0.030000
79.380	56.430	0.030000
83.550	56.410	0.030000
87.730	56.390	0.030000
91.900	56.500	0.030000
96.070	56.590	0.030000

Name: 13N0400X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	57.050	0.030000
0.000	56.350	0.030000
5.000	55.350	0.045000
9.000	54.050	0.045000
11.000	51.850	0.040000
16.000	51.850	0.040000
19.000	51.950	0.040000
22.000	54.050	0.045000
28.000	55.150	0.050000

Name: 13N0500X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	59.200	0.030000
4.980	59.020	0.030000
9.960	58.890	0.030000
14.940	58.860	0.030000
19.920	58.900	0.030000
24.900	58.980	0.030000
29.880	58.920	0.030000
34.860	58.760	0.030000
39.840	58.770	0.030000
44.820	58.730	0.030000
49.800	58.650	0.030000
54.780	58.640	0.030000
59.760	58.650	0.030000
64.740	58.700	0.030000
69.720	58.780	0.030000
74.700	58.790	0.030000
79.680	58.760	0.030000
84.660	58.740	0.030000
89.640	58.740	0.030000
94.620	58.780	0.030000
99.600	58.960	0.030000
104.580	59.090	0.030000
109.560	59.110	0.030000
114.540	59.120	0.030000
119.520	59.130	0.030000
124.500	59.190	0.030000
129.480	59.180	0.030000
134.460	59.340	0.030000

Name: 13N0600X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	57.250	0.030000
-50.000	57.250	0.030000
-23.000	55.650	0.050000
-19.000	55.450	0.050000
-17.000	53.850	0.050000
-15.000	52.250	0.050000
-10.000	51.950	0.050000
-6.000	52.850	0.050000
-3.000	53.950	0.050000
0.000	55.250	0.050000
65.000	55.950	0.030000

Name: 13N0700X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	56.257	0.060000
4.936	56.197	0.060000
9.872	55.777	0.060000
14.807	55.656	0.060000
19.743	55.518	0.060000
24.679	55.320	0.060000
29.615	55.211	0.060000
34.551	55.332	0.060000
39.486	55.285	0.060000
44.422	55.159	0.060000
49.358	55.113	0.060000
54.294	55.164	0.060000
59.230	55.243	0.060000
64.165	55.084	0.060000
69.101	54.966	0.060000
74.037	54.991	0.060000
78.973	55.279	0.060000
83.909	55.376	0.060000
88.844	55.074	0.060000

93.780	54.561	0.060000
98.716	54.213	0.060000
103.652	54.687	0.060000
108.227	54.423	0.060000
112.803	54.072	0.060000
117.379	53.884	0.060000
121.954	53.903	0.060000
126.530	54.060	0.060000
131.106	54.345	0.060000
135.681	54.549	0.060000
140.257	54.677	0.060000
144.833	54.530	0.060000
149.408	54.681	0.060000
153.984	54.617	0.060000
158.541	54.605	0.060000
163.098	54.702	0.060000
167.655	54.479	0.060000
172.212	54.368	0.060000
176.769	54.404	0.060000
181.327	54.723	0.060000
185.884	55.134	0.060000
190.441	55.605	0.060000
194.998	55.082	0.060000
199.555	54.765	0.060000
204.520	54.566	0.060000
209.485	54.639	0.060000
214.450	54.846	0.060000
219.415	55.070	0.060000
224.380	55.228	0.060000
229.345	55.655	0.060000
234.311	56.085	0.060000
239.276	56.267	0.060000
244.241	56.361	0.060000
248.992	56.499	0.060000

Name: 13P-W175 Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	80.350	0.035000
5.000	78.890	0.035000
5.000	79.990	0.013000
7.500	79.990	0.013000
8.500	76.490	0.013000
13.500	76.490	0.013000
14.500	79.990	0.013000
17.000	79.990	0.013000
17.000	78.230	0.013000
25.400	80.850	0.035000

Name: 13P0100X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	56.050	0.030000
-54.000	55.350	0.030000
-29.000	54.150	0.030000
-23.000	53.250	0.050000
-20.000	51.650	0.050000
-17.000	50.550	0.050000
-14.000	50.350	0.050000
-10.000	50.450	0.050000
-8.000	51.150	0.050000
-6.000	52.350	0.050000
0.000	53.050	0.030000

Name: 13P0200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.850	0.030000
11.000	57.250	0.040000
14.000	55.550	0.040000

16.000	54.050	0.040000
18.000	53.950	0.040000
19.000	54.050	0.045000
21.000	54.350	0.045000
25.000	55.950	0.045000
29.000	57.350	0.045000

Name: 13P0400X Group: 13P
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	62.010	0.030000
4.260	62.110	0.030000
8.510	62.330	0.030000
12.770	62.490	0.030000
17.030	62.410	0.030000
21.400	62.130	0.030000
25.770	60.660	0.045000
30.150	58.800	0.045000
34.520	58.570	0.045000
38.900	59.780	0.045000
43.270	60.950	0.045000
48.120	61.430	0.045000
52.960	61.460	0.030000
57.810	61.160	0.030000
62.650	61.120	0.030000
67.500	61.250	0.030000
71.900	61.450	0.030000
76.300	61.680	0.030000
80.690	61.840	0.030000
85.090	62.040	0.030000
89.490	62.310	0.030000
93.890	62.640	0.030000

Name: 13P0450TMX Group: 13P
Encroachment: No

Revision
xsecs points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.650	0.030000
4.880	55.410	0.030000
9.760	55.090	0.030000
14.640	54.860	0.030000
19.520	54.680	0.030000
24.400	54.550	0.030000
29.270	54.400	0.030000
34.150	54.090	0.030000
39.030	53.550	0.060000
43.910	52.120	0.060000
48.790	51.880	0.060000
53.670	51.750	0.060000
58.550	52.940	0.060000
63.430	53.370	0.060000
68.310	53.080	0.060000
73.190	52.960	0.040000
78.070	53.260	0.040000
82.950	53.570	0.040000
87.820	53.740	0.040000
92.700	53.620	0.040000
95.340	53.540	0.030000
97.980	53.460	0.030000

Name: 13P0450X Group: 13P
Encroachment: No

Revision
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.940	0.030000
4.630	55.600	0.030000
9.270	55.560	0.030000
13.900	55.000	0.040000
18.540	53.510	0.050000

23.170	53.950	0.050000
27.810	55.150	0.050000
32.440	55.290	0.040000
37.080	55.250	0.030000
41.710	55.240	0.030000
46.340	55.120	0.030000
50.980	55.020	0.030000

Name: 13P0500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	65.250	0.030000
-30.000	62.050	0.030000
0.000	60.050	0.030000
15.000	59.850	0.110000
100.000	59.650	0.110000
150.000	60.450	0.110000
190.000	59.850	0.110000
223.000	60.050	0.110000
233.000	62.650	0.110000
240.000	65.150	0.110000
270.000	66.150	0.110000
287.000	63.550	0.110000
322.000	65.650	0.110000
337.000	67.150	0.030000

Name: 13P0600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.000	65.150	0.030000
-66.000	63.950	0.035000
-41.000	62.350	0.035000
-16.000	63.750	0.080000
-11.000	62.750	0.080000
-6.000	61.650	0.080000
-5.000	61.450	0.080000
-2.000	61.150	0.080000
0.000	63.250	0.080000
25.000	64.450	0.035000
50.000	66.850	0.035000

Name: 13P0860X Group: 13P
Encroachment: No

Added
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	72.580	0.030000
4.830	71.990	0.030000
9.660	71.400	0.030000
14.490	71.000	0.030000
19.330	70.560	0.030000
24.160	69.530	0.030000
28.990	68.190	0.060000
33.820	66.760	0.060000
38.650	65.340	0.060000
43.480	67.190	0.060000
48.310	70.270	0.060000
53.140	71.290	0.030000
57.980	71.300	0.030000
62.810	71.360	0.030000
67.640	71.390	0.030000
72.470	71.490	0.030000

Name: 13P0900X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	70.650	0.030000
-25.000	70.050	0.030000
0.000	69.450	0.030000
4.000	68.850	0.030000
6.000	68.450	0.030000
8.000	68.450	0.030000
10.000	69.350	0.030000
11.000	69.850	0.030000
16.000	70.750	0.030000
40.000	71.750	0.030000
66.000	72.150	0.030000

Name: 13P1000X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	71.950	0.110000
-45.000	69.950	0.110000
-19.000	71.450	0.080000
-15.000	70.450	0.080000
-9.000	69.350	0.080000
-7.000	69.450	0.080000
-3.000	69.650	0.045000
-2.000	70.750	0.045000
0.000	71.250	0.040000
25.000	71.350	0.030000
50.000	72.250	0.030000

Name: 13P1200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-31.000	75.250	0.110000
-18.000	74.750	0.040000
-14.000	73.350	0.040000
-11.000	71.950	0.040000
-8.000	71.850	0.040000
-5.000	73.250	0.040000
0.000	74.750	0.030000

Name: 13P1300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-4.000	77.150	0.040000
0.000	76.450	0.040000
4.000	75.550	0.040000
8.000	72.450	0.040000
13.000	75.250	0.040000
18.000	77.050	0.040000
33.000	77.550	0.030000
54.000	79.250	0.030000

Name: 13P1400X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	78.450	0.080000
-18.000	76.350	0.040000
-14.000	74.450	0.035000
-12.000	74.150	0.035000
-10.000	74.550	0.035000
-7.000	75.650	0.035000
0.000	78.150	0.030000

Name: 13P1600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	80.910	0.030000
-45.000	80.550	0.030000
-20.000	78.950	0.040000
-16.000	77.300	0.040000
-13.000	75.280	0.040000
-9.000	75.280	0.040000
-5.000	77.900	0.030000
0.000	79.350	0.030000
25.000	80.050	0.030000
50.000	80.350	0.030000

Name: 13P1700X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	80.850	0.035000
-16.600	77.740	0.035000
-13.500	75.780	0.040000
-11.600	75.770	0.040000
-9.600	75.770	0.040000
-5.000	78.620	0.035000
0.000	80.350	0.030000
25.000	80.850	0.030000
50.000	80.950	0.030000

Name: 13P1815DSX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	78.000	0.050000
3.900	77.000	0.050000
14.600	77.000	0.050000
16.000	78.000	0.050000
17.300	79.000	0.050000
18.600	80.000	0.050000
21.600	81.000	0.050000

Name: 13P1815USX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	79.000	0.050000
3.200	78.000	0.050000
15.000	78.000	0.050000
16.700	79.000	0.050000
18.300	80.000	0.050000
21.600	81.000	0.050000

Name: 13P2020X Group: 13P
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	89.790	0.030000
4.950	89.730	0.030000
9.900	89.760	0.030000
14.840	89.630	0.030000
19.790	89.690	0.030000
24.740	89.590	0.030000
29.690	89.630	0.030000
34.630	89.570	0.030000
39.580	89.590	0.030000

44.530	89.610	0.030000
49.480	89.530	0.030000
54.420	89.600	0.030000
59.370	89.550	0.030000
64.320	89.610	0.030000
69.270	89.520	0.030000
74.210	89.570	0.030000
79.160	89.560	0.030000
84.110	89.570	0.030000
89.060	89.550	0.030000
94.000	89.530	0.030000
98.950	89.580	0.030000
103.880	89.530	0.030000
108.800	89.590	0.030000
113.720	89.470	0.030000
118.650	89.440	0.030000
123.570	89.560	0.030000
128.500	89.430	0.030000
133.420	89.400	0.030000
138.350	89.360	0.030000
143.270	89.320	0.030000
148.200	89.500	0.030000
153.120	89.380	0.030000
158.050	89.410	0.030000
162.970	89.440	0.030000
167.900	89.430	0.030000
172.820	89.450	0.030000
177.750	89.430	0.030000
182.670	89.380	0.030000
187.600	89.450	0.030000
192.520	89.410	0.030000
197.440	89.400	0.030000
202.370	89.390	0.030000
207.290	89.390	0.030000
212.220	89.400	0.030000
217.160	89.380	0.030000
222.100	89.370	0.030000
227.040	89.410	0.030000
231.980	89.410	0.030000
236.920	89.420	0.030000
241.860	89.410	0.030000
246.800	89.440	0.030000
251.740	89.450	0.030000
256.680	89.440	0.030000
261.620	89.400	0.030000
266.560	89.420	0.030000
271.500	89.480	0.030000
276.440	89.600	0.030000
281.380	89.590	0.030000
286.320	89.570	0.030000
291.260	89.650	0.030000
296.190	89.640	0.030000
301.130	89.650	0.030000
306.070	89.650	0.030000
311.010	89.510	0.030000
315.950	89.370	0.030000
320.860	89.260	0.030000
325.770	89.300	0.030000
330.680	89.350	0.030000
335.590	89.360	0.030000
340.500	89.380	0.030000
345.410	89.390	0.030000
350.320	89.360	0.030000
355.230	89.280	0.030000
360.130	89.420	0.030000
365.040	89.520	0.030000
369.950	89.750	0.030000
374.860	90.080	0.030000

Name: 13P2100X Group: 13P
Encroachment: No

Added
points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.680	0.013000
4.890	88.680	0.013000
9.790	88.600	0.013000
14.680	88.560	0.013000
19.570	88.570	0.013000
24.460	88.590	0.013000
29.360	88.560	0.013000

34.250	88.590	0.013000
39.140	88.620	0.013000
44.040	88.660	0.013000
48.930	88.600	0.013000
53.820	88.580	0.013000
58.710	88.590	0.013000
63.610	88.500	0.013000
68.500	88.450	0.013000
73.390	88.490	0.013000
78.290	88.520	0.013000
83.180	88.480	0.013000
88.070	88.470	0.013000
92.960	88.520	0.013000
97.860	88.510	0.013000
102.750	88.520	0.013000
107.640	88.610	0.013000
112.540	88.600	0.013000
117.430	88.600	0.013000
122.320	88.610	0.013000
127.220	88.650	0.013000
132.110	88.650	0.013000

Name: 13P2200X Group: 13P
Encroachment: No

Revision
Updated xsec points from LiDar

Station(ft)	Elevation(ft)	Manning's N
0.000	88.390	0.060000
4.960	88.220	0.060000
9.930	88.210	0.060000
14.890	88.090	0.060000
19.860	88.100	0.060000
24.820	88.070	0.060000
29.790	88.020	0.060000
34.750	87.930	0.060000
39.720	87.710	0.080000
44.680	87.400	0.080000
49.650	87.470	0.080000
54.610	87.770	0.080000
59.580	88.250	0.035000
64.540	88.520	0.030000
69.510	88.710	0.030000
74.470	88.760	0.030000
79.440	88.850	0.030000
84.400	88.910	0.030000

Name: 13P2300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-10.000	91.050	0.040000
0.000	87.950	0.040000
1.000	87.520	0.040000
2.000	84.550	0.035000
15.000	79.950	0.035000
29.000	82.250	0.035000
30.000	87.310	0.035000
31.000	86.250	0.040000
46.000	89.050	0.040000
71.000	90.150	0.040000

Name: 13P2500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	87.250	0.030000
2.000	87.670	0.013000
3.000	83.850	0.013000
14.000	81.950	0.035000
25.000	83.950	0.035000
26.000	86.950	0.013000
29.000	87.450	0.013000

55.000	90.550	0.030000

Name: 13Q-W081 Group: 13Q
Encroachment: No

ANCHOR RD POND CONROL STRUCTURE RISER

Station(ft)	Elevation(ft)	Manning's N
0.000	87.680	0.013000
0.000	87.080	0.013000
1.330	87.080	0.013000
1.330	86.480	0.013000
1.830	86.480	0.013000
1.830	87.080	0.013000
3.167	87.080	0.013000
3.167	87.680	0.013000

Name: 13Q-W083 Group: 13Q
Encroachment: No

updated xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.370	0.030000
4.290	87.600	0.030000
8.580	87.350	0.030000
12.860	87.190	0.050000
17.150	87.170	0.050000
21.800	87.080	0.050000
26.450	87.000	0.050000
31.090	87.240	0.050000
35.740	87.360	0.050000
39.120	87.410	0.050000
42.500	87.350	0.050000
45.880	87.350	0.050000
50.300	87.210	0.050000
54.710	87.040	0.050000
59.120	86.920	0.050000
63.540	86.900	0.050000
67.950	86.930	0.050000
72.360	87.270	0.050000
76.780	87.240	0.050000
81.190	87.100	0.050000
85.950	87.100	0.050000
90.710	87.000	0.050000
95.460	86.950	0.050000
100.220	87.020	0.050000
104.980	87.000	0.050000
109.730	86.870	0.050000
114.490	86.760	0.050000
119.250	86.920	0.050000
124.000	87.110	0.050000
128.760	87.050	0.050000
133.550	86.800	0.050000
138.340	86.780	0.050000
143.120	86.480	0.050000
147.910	86.530	0.050000
152.700	86.500	0.050000
157.480	86.880	0.050000
162.270	86.940	0.050000
166.690	86.890	0.050000
171.110	86.680	0.050000
175.530	86.730	0.050000
179.550	86.980	0.050000
183.570	87.090	0.050000
187.580	87.280	0.030000
191.600	87.620	0.030000

Name: 13Q0500X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.650	0.030000
2.000	88.650	0.030000
5.000	86.850	0.030000
7.000	84.050	0.030000
9.000	83.350	0.030000

12.000	84.150	0.030000
15.000	87.750	0.030000
18.000	89.150	0.030000

Name: 13Q0830X Group: 13Q
Encroachment: No

Added
Points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.300	0.030000
4.910	88.360	0.030000
9.830	88.570	0.030000
14.740	88.540	0.030000
19.650	88.370	0.030000
24.570	88.530	0.030000
29.480	88.590	0.030000
34.400	88.490	0.030000
38.670	88.320	0.030000
42.940	88.010	0.030000
47.210	87.720	0.030000
51.480	87.570	0.030000
55.750	87.760	0.030000
60.170	87.970	0.030000
64.600	88.190	0.030000
69.030	88.380	0.030000
73.460	88.440	0.030000
77.890	88.470	0.030000
82.310	88.540	0.030000
86.740	88.330	0.030000
91.170	88.280	0.030000

Name: 13Q0896X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.610	0.013000
0.000	84.440	0.013000
4.000	84.440	0.013000
4.000	83.360	0.013000
12.000	83.360	0.013000
12.000	84.440	0.013000
16.000	84.440	0.013000
16.000	85.610	0.013000

Name: 13Q1300X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	89.150	0.030000
2.000	88.250	0.030000
4.000	86.750	0.045000
6.000	86.750	0.023000
7.000	86.950	0.023000
11.000	89.050	0.023000
16.000	90.150	0.023000
17.000	90.380	0.030000

Name: 13Q1400X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	91.250	0.040000
-16.000	90.250	0.040000
-12.000	88.150	0.040000
-10.000	87.750	0.023000
-8.000	88.250	0.023000
-5.000	89.950	0.023000
0.000	91.350	0.030000

Name: 13Q2291X Group: 13Q
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	83.150	0.013000
0.000	82.450	0.013000
1.700	82.450	0.013000
1.700	81.250	0.013000
2.300	81.250	0.013000
2.300	82.450	0.013000
4.000	82.450	0.013000
4.000	83.150	0.013000

Name: RA_ALTON Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	19.650	0.035000
0.000	19.580	0.035000
40.000	19.590	0.035000

Name: RA_MOSS Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	36.870	0.035000
-50.000	36.610	0.035000
0.000	36.510	0.035000
50.000	36.670	0.035000
100.000	37.050	0.035000

Name: RA_MURPH Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	44.080	0.035000
-50.000	43.810	0.035000
0.000	43.510	0.035000
50.000	43.670	0.035000
100.000	44.110	0.035000

Name: RC_ALTON Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-105.000	20.010	0.050000
-50.000	19.250	0.050000
0.000	19.750	0.050000
50.000	19.650	0.050000
100.000	19.650	0.050000

Name: RC_HAYES Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-116.000	34.950	0.050000
-100.000	34.150	0.050000
-50.000	33.950	0.050000

0.000	34.150	0.050000
50.000	34.550	0.050000
100.000	35.050	0.050000

Name: RC_JEEP Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-350.000	16.290	0.050000
-100.000	14.350	0.050000
-50.000	14.750	0.050000
0.000	14.750	0.050000
50.000	15.350	0.050000
100.000	17.850	0.050000

Name: RC_SHORE Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.230	0.035000
-50.000	29.850	0.035000
0.000	29.850	0.035000
50.000	30.050	0.050000
100.000	30.850	0.050000

Name: RD_FLAMI Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	41.750	0.035000
-50.000	41.440	0.035000
0.000	41.180	0.035000
50.000	41.180	0.035000
100.000	41.430	0.035000

Name: RD_MOSS Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	38.400	0.035000
0.000	38.350	0.035000
50.000	38.450	0.035000

Name: RF_MURPH Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.650	0.035000
-50.000	51.490	0.035000
0.000	51.080	0.035000
50.000	50.890	0.035000
100.000	50.580	0.035000

Name: RF_SEVEN Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	47.900	0.050000
-50.000	47.750	0.050000
0.000	49.030	0.050000
50.000	49.360	0.050000

100.000	49.540	0.050000

Name: RI_CR434 Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
3700.000	65.530	0.035000
4300.000	64.330	0.035000
4400.000	64.130	0.035000
4500.000	64.420	0.035000
4600.000	65.880	0.035000
4710.000	67.610	0.035000
4810.000	69.010	0.035000

Name: RI_WILDM Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	61.300	0.035000
-50.000	61.330	0.035000
0.000	61.260	0.035000
50.000	61.360	0.035000
100.000	61.600	0.035000

Name: RJ_GRANT Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	63.550	0.035000
-50.000	62.430	0.035000
0.000	61.970	0.035000
25.000	61.970	0.035000

Name: RJ_MARVI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	74.310	0.035000
0.000	74.690	0.035000
50.000	75.170	0.035000
100.000	75.780	0.035000

Name: RJ_OLEAN Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-90.000	78.290	0.050000
-50.000	77.170	0.050000
0.000	76.650	0.050000
50.000	76.550	0.050000
100.000	76.650	0.050000
110.000	76.950	0.050000
250.000	77.650	0.050000

Name: RJ_OVERS Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	76.450	0.050000
-50.000	76.350	0.050000
0.000	76.340	0.050000

50.000	76.250	0.050000
100.000	76.150	0.050000

Name: RJ_TULLI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	77.550	0.050000
-50.000	77.650	0.050000
0.000	77.950	0.050000
50.000	78.050	0.050000
100.000	77.950	0.050000
150.000	78.950	0.050000

Name: RJ_WILDM Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	78.290	0.050000
-50.000	78.210	0.050000
0.000	78.330	0.050000
50.000	78.490	0.050000
100.000	78.730	0.050000
210.000	78.950	0.050000

Name: RK_SEMIN Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	60.840	0.035000
-50.000	60.770	0.035000
0.000	60.800	0.035000
50.000	60.790	0.035000
100.000	60.670	0.035000

Name: RL_NTRIP Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.900	0.030000
4.370	56.810	0.030000
8.740	56.780	0.030000
13.100	56.740	0.030000
17.470	56.710	0.030000
21.840	56.670	0.030000
26.210	56.570	0.030000
31.180	56.390	0.030000
36.160	56.270	0.030000
41.130	56.160	0.030000
46.110	56.110	0.030000
51.080	55.920	0.030000
56.060	55.910	0.030000
61.030	55.860	0.030000
66.010	55.700	0.030000
70.980	55.710	0.030000
75.960	55.630	0.030000
80.940	55.550	0.030000
85.910	55.450	0.030000
90.890	55.430	0.030000
95.860	55.310	0.030000
100.840	55.200	0.030000
105.810	55.250	0.030000
110.790	55.110	0.030000
115.760	55.030	0.030000
120.740	55.070	0.030000
125.710	54.940	0.030000
130.620	54.900	0.030000
135.520	54.840	0.030000
140.420	54.860	0.030000

145.320	54.730	0.030000
150.230	54.770	0.030000
155.130	54.680	0.030000
160.030	54.600	0.030000
164.930	54.610	0.030000
169.830	54.620	0.030000
174.740	54.630	0.030000
179.640	54.610	0.030000
184.540	54.560	0.030000
189.440	54.580	0.030000
194.350	54.680	0.030000
199.250	54.650	0.030000
204.150	54.620	0.030000
209.050	54.700	0.030000
213.950	54.810	0.030000
218.860	54.840	0.030000
223.760	54.830	0.030000
228.660	54.800	0.030000
233.560	54.900	0.030000
238.470	55.010	0.030000
243.320	55.200	0.030000
248.180	55.250	0.030000
253.040	55.240	0.030000
257.900	55.200	0.030000
262.760	55.230	0.030000
267.620	55.380	0.030000
272.480	55.700	0.030000
277.340	55.900	0.030000
282.200	55.840	0.030000
287.060	55.550	0.030000
291.920	55.420	0.030000
296.780	55.500	0.030000
301.640	55.530	0.030000
306.500	55.480	0.030000
311.360	55.450	0.030000
316.220	55.490	0.030000
321.080	55.700	0.030000
325.940	55.810	0.030000
330.800	55.880	0.030000
335.660	55.900	0.030000
340.520	55.940	0.030000
345.370	56.080	0.030000
350.230	56.120	0.030000
355.090	56.090	0.030000
359.950	56.110	0.030000

Name: RL_OXFOR Group: 13L
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	73.900	0.030000
4.820	73.890	0.030000
9.650	73.890	0.030000
14.470	73.880	0.030000
19.300	73.840	0.030000
24.120	73.860	0.030000
28.950	73.810	0.030000
33.770	73.680	0.030000
38.600	73.300	0.030000
43.420	73.210	0.030000
48.250	73.740	0.030000
53.070	74.070	0.030000
57.900	74.160	0.030000
62.720	74.090	0.030000
67.540	74.080	0.030000
72.370	74.200	0.030000
77.190	74.140	0.030000
82.020	74.150	0.030000
86.840	74.210	0.030000
91.670	74.360	0.030000

Name: RP_MORSE Group: 13P
Encroachment: No

revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	90.000	0.030000
4.960	90.000	0.030000

9.930	90.000	0.030000
14.890	90.000	0.030000
19.850	90.000	0.030000
24.810	90.000	0.030000
29.780	90.000	0.030000
34.740	89.960	0.030000
39.700	89.800	0.030000
44.670	89.620	0.030000
49.630	89.570	0.030000
54.590	89.670	0.030000
59.550	89.830	0.030000
64.520	89.950	0.030000
69.480	90.000	0.030000
74.440	90.000	0.030000
79.410	90.000	0.030000
84.370	90.000	0.030000
89.330	90.000	0.030000
94.300	90.000	0.030000
99.260	89.950	0.030000
104.220	89.750	0.030000
109.180	89.550	0.030000
114.150	89.550	0.030000
119.110	89.580	0.030000
124.070	89.610	0.030000
129.040	89.650	0.030000
134.000	89.760	0.030000
138.960	89.930	0.030000
143.920	90.000	0.030000
148.890	90.000	0.030000
153.850	90.000	0.030000
158.810	90.000	0.030000
163.780	90.000	0.030000
168.740	90.000	0.030000
173.700	90.000	0.030000
178.660	90.000	0.030000
183.630	90.000	0.030000
188.590	90.000	0.030000

Name: RP_NTRIP Group: 13P
Encroachment: No

Revision
Updated xsec points to better match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	60.300	0.030000
4.340	60.240	0.030000
8.680	60.230	0.030000
13.030	60.190	0.030000
17.370	60.150	0.030000
21.710	60.170	0.030000
26.050	60.240	0.030000
30.390	60.270	0.030000

Name: RP_SOUTH Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	79.500	0.035000
-50.000	79.470	0.035000
0.000	79.280	0.035000
50.000	79.390	0.035000
100.000	79.400	0.035000

Name: RQ_OAK Group: 13Q
Encroachment: No

Revised xsec. Extended length

Station(ft)	Elevation(ft)	Manning's N
0.000	89.100	0.030000
4.920	89.090	0.030000
9.840	89.130	0.030000
14.770	89.110	0.030000
19.690	89.130	0.030000
24.610	89.130	0.030000
29.530	89.100	0.030000

34.460	89.000	0.030000
39.380	88.960	0.030000
44.300	88.960	0.030000
49.220	88.980	0.030000
54.150	89.020	0.030000
59.070	89.060	0.030000
63.990	89.140	0.030000
68.910	89.110	0.030000

Name: RQ_PINE Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.760	0.030000
4.740	88.750	0.030000
9.490	88.770	0.030000
14.230	88.790	0.030000
18.980	88.800	0.030000
23.720	88.790	0.030000
28.470	88.760	0.030000
33.210	88.770	0.030000
37.950	88.700	0.030000
42.700	88.690	0.030000
47.440	88.590	0.030000
52.190	88.570	0.030000
56.930	88.510	0.030000
61.670	88.510	0.030000
66.420	88.540	0.030000
71.160	88.670	0.030000
75.910	88.770	0.030000
80.650	88.840	0.030000
85.400	88.910	0.030000

==========
==== Operating Tables ==========
==========

Name: 13L-PS10 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
53.450	4.00
53.950	4.90
58.950	4.90

Name: 13P-PS18 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
79.350	1.12
83.950	1.97
86.450	3.92
88.950	3.92

Name: 13P-PS27 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
81.950	8.55
83.450	9.54
84.950	10.52
88.950	10.52

Name: 13P-PS28 Group: OP_TABLES
Type: Rating Curve

Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
82.450	9.21
83.450	10.52
88.950	10.52

==== Pipes ====

```
         Name: 13A0700C            From Node: 13A0800N          Length(ft): 116.20
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 132.00         132.00                      Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                          Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.820                           Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.960          0.960                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A0701C            From Node: 13A0800N          Length(ft): 114.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 132.00         132.00                      Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                          Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.880                           Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 6.000          6.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A0702C            From Node: 13A0800N          Length(ft): 112.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 132.00         132.00                      Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                          Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.920                           Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A0720S            From Node: 13A0725N          Length(ft): 312.00
```

```
        Group: 13A                  To Node: 13A0800N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 13.880         9.250                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A1200C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                  To Node: 13A1100N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 60.00          60.00                     Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                         Exit Loss Coef: 0.00
   Invert(ft): 9.790          9.980                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13A1201C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                  To Node: 13A1100N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 60.00          60.00                     Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                         Exit Loss Coef: 0.00
   Invert(ft): 9.650          9.840                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13A1202C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                  To Node: 13A1100N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 60.00          60.00                     Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                         Exit Loss Coef: 0.00
   Invert(ft): 10.040         9.790                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels
```

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13A1500C            From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 12.730         13.290                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          0.670                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13A1501C_1          From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13A1501C_2          From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13A3100C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.420         29.390                          Bend Loss Coef: 0.00
  Manning's N: 0.031000       0.031000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 4.000          4.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3101C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.410         29.370                          Bend Loss Coef: 0.00
  Manning's N: 0.029000       0.029000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3102C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.390         29.350                          Bend Loss Coef: 0.00
  Manning's N: 0.032000       0.032000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.500          4.500                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3310C            From Node: 13A3320P          Length(ft): 50.00
        Group: 13A                   To Node: 13A3300N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                       Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                           Exit Loss Coef: 0.00
   Invert(ft): 36.450         36.330                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13A3500C_1          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                           Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                          Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3500C_2          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                          Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3501C            From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                          Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.290                         Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          2.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3800C_1          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers
```

```
-----------------------------------------------------------------------------------------------
         Name: 13A3800C_2          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3800C_3          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3905C            From Node: 13A3910P          Length(ft): 25.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.070         35.730                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3915C            From Node: 13A3920P          Length(ft): 80.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 15.00          15.00                       Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                           Exit Loss Coef: 0.00
   Invert(ft): 40.450         40.260                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3925S            From Node: 13A3930N          Length(ft): 130.00
        Group: 13A                   To Node: 13A3920P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.160         36.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3935S            From Node: 13A3940N          Length(ft): 385.00
        Group: 13A                   To Node: 13A3930N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.200         38.740                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3945S            From Node: 13A3950N          Length(ft): 204.00
        Group: 13A                   To Node: 13A3940N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.440         39.240                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3951S            From Node: 13A3952P          Length(ft): 642.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
```

```
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 44.260         41.690                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3975S            From Node: 13A3980N           Length(ft): 208.00
        Group: 13A                   To Node: 13A3950N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 42.00          42.00                          Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                              Exit Loss Coef: 0.00
   Invert(ft): 39.690         39.590                             Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3985S            From Node: 13A3990P           Length(ft): 120.00
        Group: 13A                   To Node: 13A3980N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 42.00          42.00                          Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                              Exit Loss Coef: 0.00
   Invert(ft): 41.590         41.450                             Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A4110C            From Node: 13A4120P           Length(ft): 40.00
        Group: 13A                   To Node: 13A4000N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 30.00          30.00                          Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                              Exit Loss Coef: 0.00
   Invert(ft): 37.010         38.810                             Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13B0300C            From Node: 13B0400N          Length(ft): 127.00
        Group: 13B                   To Node: 13B0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 68.00          68.00                     Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                         Exit Loss Coef: 0.00
   Invert(ft): 10.660         10.830                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------------
         Name: 13C0650C            From Node: 12-01-02          Length(ft): 135.00
        Group: 13C                   To Node: 13C0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 96.00          96.00                     Entrance Loss Coef: 0.20
     Rise(in): 66.00          66.00                         Exit Loss Coef: 0.00
   Invert(ft): 9.390          9.250                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13C0900C            From Node: 13C1000N          Length(ft): 72.00
        Group: 13C                   To Node: 13C0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 83.00          83.00                     Entrance Loss Coef: 0.20
     Rise(in): 57.00          57.00                         Exit Loss Coef: 0.00
   Invert(ft): 11.910         12.030                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13C1600C            From Node: 13C1700N          Length(ft): 28.00
        Group: 13C                   To Node: 13C1500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 25.200         24.990                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13C2100C            From Node: 13C2200P           Length(ft): 40.00
        Group: 13C                   To Node: 13C2000N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 30.370         29.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

```
         Name: 13D0160C_1          From Node: 13D0170P           Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0160C_2          From Node: 13D0170P           Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0160C_3          From Node: 13D0170P           Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
```

```
   Invert(ft): 29.480         29.410                        Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0160C_4          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0160C_5          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0300S            From Node: 13D0310N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0200N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
     Span(in): 57.00          57.00                       Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                           Exit Loss Coef: 0.00
   Invert(ft): 32.800         31.920                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting


-----------------------------------------------------------------------------------------------
```

```
         Name: 13D0320S            From Node: 13D0330N          Length(ft): 35.00
        Group: 13D                   To Node: 13D0310N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.660         32.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13D0340S            From Node: 13D0400N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0330N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.90
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.220         33.580                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13D0600C            From Node: 13D0700N          Length(ft): 49.00
        Group: 13D                   To Node: 13D0500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.680         33.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0300C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 45.210         45.380                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13F0301C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 45.290         45.300                          Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13F0415C_1          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 23.00          23.00                       Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
-----------------------------------------------------------------------------------------------
         Name: 13F0415C_2          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 23.00          23.00                       Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
-----------------------------------------------------------------------------------------------
         Name: 13F0415C_3          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 23.00          23.00                       Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_4          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 23.00          23.00                        Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                            Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_1          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_2          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_3          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 38.00          38.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_4          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 38.00          38.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_5          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 38.00          38.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_6          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 38.00          38.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
```

Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_7          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_8          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0445C            From Node: 13F0450P          Length(ft): 333.00
        Group: 13F                   To Node: 13F0440P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 42.950         42.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
         Name: 13F0900C            From Node: 13F1000P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 52.850         53.050                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          1.250                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

```
         Name: 13G0300C            From Node: 13G0400N          Length(ft): 20.00
        Group: 13G                   To Node: 13G0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 71.00          71.00                      Entrance Loss Coef: 0.50
     Rise(in): 47.00          47.00                          Exit Loss Coef: 0.00
   Invert(ft): 43.980         44.200                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
         Name: 13I0200C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 72.00          72.00                      Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 47.460         47.530                         Bend Loss Coef: 0.00
  Manning's N: 0.022000       0.032000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13I0201C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 72.00          72.00                      Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 48.530         48.500                         Bend Loss Coef: 0.00
  Manning's N: 0.026000       0.028000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          2.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13I0500C_1          From Node: FAIRY             Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0500C_2          From Node: FAIRY              Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0615C            From Node: 13I0620P           Length(ft): 197.00
        Group: 13I                   To Node: 13I0610P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 48.00          48.00                     Entrance Loss Coef: 0.70
     Rise(in): 48.00          48.00                         Exit Loss Coef: 0.00
   Invert(ft): 46.950         46.950                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0800C_1          From Node: 13I0900N           Length(ft): 37.00
        Group: 13I                   To Node: 13I0700N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13I0800C_2          From Node: 13I0900N          Length(ft): 37.00
        Group: 13I                   To Node: 13I0700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------------
         Name: 13I1100C_1          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                   To Node: 13I1000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 45.00          45.00                        Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                            Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------------
         Name: 13I1100C_2          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                   To Node: 13I1000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 45.00          45.00                        Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                            Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------------
         Name: 13I1502S            From Node: 13I1502N          Length(ft): 271.00
        Group: 13I                   To Node: 13I1500P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                            Exit Loss Coef: 1.00
   Invert(ft): 54.850         54.450                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1504S            From Node: 13I1504N           Length(ft): 169.00
        Group: 13I                   To Node: 13I1502N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                            Exit Loss Coef: 1.00
   Invert(ft): 55.350         54.850                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1506S            From Node: 13I1506N           Length(ft): 481.00
        Group: 13I                   To Node: 13I1504N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.750         55.850                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1507S            From Node: 13I1512N           Length(ft): 176.00
        Group: 13I                   To Node: 13I1506N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 60.050         59.250                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1508S            From Node: 13I1508N           Length(ft): 42.00
        Group: 13I                   To Node: 13I1506N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
```

```
     Rise(in): 36.00          36.00                        Exit Loss Coef: 1.00
   Invert(ft): 59.470         58.750                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1510S            From Node: 13I1510N          Length(ft): 168.00
        Group: 13I                   To Node: 13I1508N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                           Exit Loss Coef: 1.00
   Invert(ft): 59.550         59.500                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1512S            From Node: 13I1512N          Length(ft): 30.00
        Group: 13I                   To Node: 13I1510N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 1.00
   Invert(ft): 61.160         60.130                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1514S            From Node: 13I1514P          Length(ft): 28.00
        Group: 13I                   To Node: 13I1512N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 1.00
   Invert(ft): 61.100         61.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
--------------------------------------------------------------------------------------------------
         Name: 13J0200C_1          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 35.00          35.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


--------------------------------------------------------------------------------------------------
         Name: 13J0200C_2          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 35.00          35.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


--------------------------------------------------------------------------------------------------
         Name: 13J0200C_3          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 35.00          35.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


--------------------------------------------------------------------------------------------------
         Name: 13J0340S_1          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 60.470         59.440                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0340S_2          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 60.470         59.440                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0360S_1          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0360S_2          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0400S_1          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                         Bend Loss Coef: 0.00
```

```
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0400S_2          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0500C_1          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0500C_2          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0680S            From Node: 13J0680N          Length(ft): 62.00
```

```
        Group: 13J                  To Node: 13J0640N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 70.080         69.650                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.500          0.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13J0700S            From Node: 13J0700N           Length(ft): 135.00
        Group: 13J                  To Node: 13J0680N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.210         70.080                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0800C_1          From Node: 13J0800N           Length(ft): 52.00
        Group: 13J                  To Node: 13J0700N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0800C_2          From Node: 13J0800N           Length(ft): 52.00
        Group: 13J                  To Node: 13J0700N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J1000C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.670         71.430                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J1001C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.490         71.490                         Bend Loss Coef: 0.00
  Manning's N: 0.033000       0.033000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J1200C_1          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13J1200C_2          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J1500C            From Node: 13J1600N          Length(ft): 30.00
        Group: 13J                   To Node: 13J1400N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 43.00          43.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.250         70.760                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.890          1.890                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13J1810C_1          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13J1810C_2          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13J2000C            From Node: 13J2100N          Length(ft): 120.00
        Group: 13J                   To Node: 13J1900N               Count: 1
                                                            Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 75.720         75.700                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J2220C            From Node: 13J2220P          Length(ft): 130.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 79.120         78.560                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J2231S            From Node: 13J2231N          Length(ft): 360.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.550         70.050                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13J2232S            From Node: 13J2232N          Length(ft): 169.00
        Group: 13J                   To Node: 13J2231N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.750         71.550                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13K0200S_1          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0200S_2          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0300S            From Node: 13K0400N          Length(ft): 147.00
        Group: 13K                   To Node: 13K0250N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 55.670         54.750                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0301S            From Node: 13K0400N          Length(ft): 157.00
        Group: 13K                   To Node: 13K0250N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 55.770         54.750                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13K0500S            From Node: 13K0550N          Length(ft): 73.00
        Group: 13K                   To Node: 13K0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 56.370         55.410                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13K0600S            From Node: 13K0650N          Length(ft): 280.00
        Group: 13K                   To Node: 13K0550N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.730         56.400                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13K0700S            From Node: 13K0750N          Length(ft): 207.50
        Group: 13K                   To Node: 13K0650N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.70
     Rise(in): 37.20          37.20                          Exit Loss Coef: 1.00
   Invert(ft): 58.710         57.730                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 0° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 30° skewed headwall

```
         Name: 13K0800S            From Node: 13K0820N          Length(ft): 170.00
        Group: 13K                   To Node: 13K0750N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
```

```
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 59.380         58.710                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0840S            From Node: 13K0860N          Length(ft): 128.00
        Group: 13K                   To Node: 13K0820N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 59.050         59.360                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K1000S            From Node: 13K1100N          Length(ft): 56.00
        Group: 13K                   To Node: 13K0860N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 59.150         59.120                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K1200S            From Node: 13K1300N          Length(ft): 10.00
        Group: 13K                   To Node: 13K1100N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 58.900         58.880                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13K2100C            From Node: TROUT              Length(ft): 16.00
        Group: 13K                   To Node: 13K2000N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 77.460         77.460                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13K4100C_1          From Node: 13K4200P           Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K4100C_2          From Node: 13K4200P           Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K4300C            From Node: 13K4400P           Length(ft): 21.00
        Group: 13K                   To Node: 13K4200P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.90
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.290         78.990                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

```
         Name: 13L0010S            From Node: 13L0020N           Length(ft): 400.00
        Group: 13L                   To Node: KATHRYN                 Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.850         50.950                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13L0030S            From Node: 13L0040P           Length(ft): 100.00
        Group: 13L                   To Node: 13L0020N                 Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 12.00          12.00                       Entrance Loss Coef: 0.50
     Rise(in): 12.00          12.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.950         51.850                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13L0300C_1          From Node: 13L0400N           Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N                 Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

```
         Name: 13L0300C_2          From Node: 13L0400N           Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N                 Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
```

```
   Invert(ft): 49.415         49.035                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------
         Name: 13L0301C            From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 72.00          72.00                         Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                             Exit Loss Coef: 0.00
   Invert(ft): 49.380         48.930                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------
         Name: 13L1203C            From Node: 13L1203N          Length(ft): 450.00
        Group: GEE                   To Node: TRIPLT-S               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                         Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                             Exit Loss Coef: 1.00
   Invert(ft): 56.900         48.000                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream invert assumed
MXT - revised DS invert

-----------------------------------------------------------------------------------------------
         Name: 13L1890C            From Node: 13L1895P          Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 52.750         52.750                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

```
--------------------------------------------------------------------------------------------------
         Name: 13L2100S            From Node: 13L2150N          Length(ft): 95.00
        Group: 13L                   To Node: 13L2050P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                            Exit Loss Coef: 0.00
   Invert(ft): 56.250         55.280                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------
         Name: 13L2350S            From Node: 13L2400N          Length(ft): 300.00
        Group: 13L                   To Node: 13L2300P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                            Exit Loss Coef: 0.00
   Invert(ft): 62.950         61.750                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------
         Name: 13L2600C            From Node: 13L2700N          Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                 Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 72.00          72.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 69.150         65.430                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


--------------------------------------------------------------------------------------------------
         Name: 13L2601C            From Node: 13L2700N          Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                 Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 69.070         65.750                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13L2900C_1          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                          Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
         Name: 13L2900C_2          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                          Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
         Name: 13L3110C            From Node: 13L3140P          Length(ft): 669.00
        Group: 13L                   To Node: 13L3100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 80.950         76.610                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          6.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13M0800S            From Node: 13M0850N          Length(ft): 38.00
        Group: 13M                   To Node: SECRET                 Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                       Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.720         49.460                         Bend Loss Coef: 0.00
```

```
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.830          1.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13M0900S            From Node: 13M0950N          Length(ft): 122.00
        Group: 13M                   To Node: 13M0850N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.340         49.720                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13M0960S            From Node: 13M0970N          Length(ft): 14.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.980         51.940                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1000S            From Node: 13M1100N          Length(ft): 108.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 52.480         51.040                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1300C            From Node: 13M1400N          Length(ft): 20.00
```

```
        Group: 13M                  To Node: 13M1200N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.500         54.510                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1550S            From Node: 13M1600N           Length(ft): 110.00
        Group: 13M                  To Node: 13M1500N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.750         55.320                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1650S            From Node: CONCORD            Length(ft): 44.00
        Group: 13M                  To Node: 13M1600N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 56.740         55.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13M2317S            From Node: 13M2317N           Length(ft): 480.00
        Group: 13M                  To Node: CONCORD                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 1.00
   Invert(ft): 56.730         56.190                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
No invert data available for headwall outfall (DS)
DS invert estimated from mh invert just US of outfall
City Infrastructure (Assumed NVGD 29)

```
-----------------------------------------------------------------------------------------------
         Name: 13M2318S            From Node: 13M2318N           Length(ft): 106.00
        Group: 13M                   To Node: 13M2317N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 57.490         55.910                           Bend Loss Coef: 0.00
  Manning's N: 0.011000       0.011000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
HDPE
City Infrastructure (Assumed NVGD 29)

```
-----------------------------------------------------------------------------------------------
         Name: 13M2319S            From Node: 13M2319N           Length(ft): 23.00
        Group: 13M                   To Node: 13M2318N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.020         57.240                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revision
GCS_1037_SD (NGVD 29)
Structure S-30 to Existing MH
DS Invert from City Infrastructure (Assumed NVGD 29)

```
-----------------------------------------------------------------------------------------------
         Name: 13M2320S            From Node: 13M2320N           Length(ft): 157.00
        Group: 13M                   To Node: 13M2319N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.170         58.020                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
structure S-28 to S-30

```
--------------------------------------------------------------------------------------------------
         Name: 13M2331S            From Node: 13M2331N          Length(ft): 15.00
        Group: 13M                   To Node: 13M2333N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 66.700         65.910                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-38 to S-36


--------------------------------------------------------------------------------------------------
         Name: 13M2333S            From Node: 13M2333N          Length(ft): 68.00
        Group: 13M                   To Node: 13M2320N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 62.910         62.780                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-36 to S-28


--------------------------------------------------------------------------------------------------
         Name: 13M2334S            From Node: 13M2334N          Length(ft): 93.00
        Group: 13M                   To Node: 13M2330P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 1.00
   Invert(ft): 59.220         60.480                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

--------------------------------------------------------------------------------------------------
         Name: 13M2335S            From Node: 13M2335N          Length(ft): 248.00
        Group: 13M                   To Node: 13M2334N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 64.000         63.450                          Bend Loss Coef: 0.00
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: 13N0150S            From Node: 13N0150N          Length(ft): 341.00
        Group: 13N                   To Node: 13N0250N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.000         51.010                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
D110A to D115
GCS_1048_SD (Assaumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13N0250S            From Node: 13N0250N          Length(ft): 261.00
        Group: 13N                   To Node: LOST                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 53.00          53.00                        Entrance Loss Coef: 0.50
     Rise(in): 34.00          34.00                            Exit Loss Coef: 1.00
   Invert(ft): 50.990         50.870                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-thin edge projecting

Revision
D115 to D117
GCS_1048_SD (Assaumed NAVD 88)


-----------------------------------------------------------------------------------------------
         Name: 13N0350S            From Node: 13N0350N          Length(ft): 89.00
        Group: 13N                   To Node: 13N0300N               Count: 3
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.460         51.400                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
```

Circular CMP: Mitered to slope

Revision
S-121 to S-120
GCS_1048_SD (Assaumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13N0500S            From Node: 13N0600N          Length(ft): 100.00
        Group: 13N                   To Node: 13N0400N               Count: 3
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 26.00          26.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.770         51.740                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.900          0.300                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Dimensions and length from Casselberry City Infrastructure
Inverts estimated from DEM

```
-----------------------------------------------------------------------------------------------
         Name: 13N0501P            From Node: 13N0601N          Length(ft): 1000.00
        Group: 13N                   To Node: 13N0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 55.000         51.770                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

assumed culvert data from Casselberry infrastructure gis

```
-----------------------------------------------------------------------------------------------
         Name: 13N0800S            From Node: 13N0800P          Length(ft): 425.00
        Group: 13N                   To Node: 13N0805N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 8.00           8.00                         Entrance Loss Coef: 0.70
     Rise(in): 8.00           8.00                             Exit Loss Coef: 0.00
   Invert(ft): 52.260         51.630                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35A to D35
ADS pipe

```
-----------------------------------------------------------------------------------------------
         Name: 13N0810S            From Node: 13N0810N          Length(ft): 53.00
        Group: 13N                   To Node: 13N0300N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 8.00           8.00                     Entrance Loss Coef: 0.50
     Rise(in): 8.00           8.00                         Exit Loss Coef: 0.00
   Invert(ft): 51.620         51.600                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 to D36

-----------------------------------------------------------------------------------------------
         Name: 13N0900S            From Node: 13N0900P           Length(ft): 1026.00
        Group: 13N                   To Node: 13N0800P                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.70
     Rise(in): 36.00          36.00                        Exit Loss Coef: 1.00
   Invert(ft): 45.970         44.020                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
D28 to D34
GCS_1048_SD (Assaumed NAVD 88)
DS invert unknown - estimated from US manhole (D33)

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_1          From Node: 13P0400N           Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_2          From Node: 13P0400N           Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13P0300C_3          From Node: 13P0400N          Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13P0700C_1          From Node: 13P0800N          Length(ft): 52.00
        Group: 13P                   To Node: 13P0500P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 63.160         62.060                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
---------------------------------------------------------------------------------------------------
         Name: 13P0700C_2          From Node: 13P0800N          Length(ft): 52.00
        Group: 13P                   To Node: 13P0500P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 63.160         62.060                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
---------------------------------------------------------------------------------------------------
         Name: 13P0950S            From Node: 13P0950N          Length(ft): 190.00
        Group: 13P                   To Node: 13P0900N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.44
   Invert(ft): 67.310         66.200                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Revision
Changed to/from nodes
Adjusted length to match aerial
Ajusted DS invert to better match terrain


-----------------------------------------------------------------------------------------------------
         Name: 13P1150S            From Node: 13P1200N          Length(ft): 161.00
        Group: 13P                   To Node: 13P1000N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                    Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                        Exit Loss Coef: 0.00
   Invert(ft): 71.380         69.550                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revised
Updated length, dimensions to match Casselberry City Infrastructure


-----------------------------------------------------------------------------------------------------
         Name: 13P1151S            From Node: 13P1200N          Length(ft): 161.00
        Group: 13P                   To Node: 13P1000N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                    Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                        Exit Loss Coef: 0.00
   Invert(ft): 70.930         69.550                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revised
Updated length, dimensions to match Casselberry City Infrastructure

-----------------------------------------------------------------------------------------------------
         Name: 13P1500C_1          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P1500C_2          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P1810S            From Node: 13P1810P          Length(ft): 13.00
        Group: 13P                   To Node: 13P1811N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 77.110         77.100                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 3 to DS-3: See sheets 101, 104
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
         Name: 13P1812S            From Node: 13P1812N          Length(ft): 247.00
        Group: 13P                   To Node: 13P1813N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 81.700         81.400                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 to outfall - see sheets 101 & 104 (u/s end);
Estimated d/s invert from terrian
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes

```
-----------------------------------------------------------------------------------------------
         Name: 13P1815C            From Node: 13P1815N          Length(ft): 466.00
        Group: GEE                   To Node: 13L3100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 68.00          68.00                        Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                            Exit Loss Coef: 1.00
   Invert(ft): 74.940         72.750                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

-----------------------------------------------------------------------------------------------
         Name: 13P1820S            From Node: 13P1820N          Length(ft): 226.00
        Group: 13P                   To Node: 13P1814N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 79.150         77.650                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
DS end confirmed from Field Recon by BRW/CLR on 12/7/15 - see field notes
changed To Node from 13P1800P
updated  from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13P1821S            From Node: 13P1822N          Length(ft): 300.00
        Group: 13P                   To Node: 13P1820N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.750         81.150                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P1823S            From Node: 13P1824N          Length(ft): 475.00
        Group: 13P                   To Node: 13P1822N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
```

```
   Invert(ft): 82.650         81.750                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



-----------------------------------------------------------------------------------------------
         Name: 13P1890S            From Node: GRASSY             Length(ft): 310.00
        Group: 13P                   To Node: 13P1820N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.800         81.100                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
Combined mutiple pipes to node 13P1820N due to same size
City of Casselberry Infrastructure (NAVD 88)
US invert estimated from terrain
DS invert from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)
length estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13P2000S            From Node: 13P2010N           Length(ft): 80.00
        Group: 13P                   To Node: GRASSY                  Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.890         77.770                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
DM 6183 to waterbody

-----------------------------------------------------------------------------------------------
         Name: 13P2020S            From Node: 13P2050N           Length(ft): 60.00
        Group: 13P                   To Node: 13P2010N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.010         83.790                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
ditch to DM 6183

```
         Name: 13P2100C            From Node: 13P2200N           Length(ft): 47.00
        Group: 13P                   To Node: 13P2050N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.780         84.560                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Updated inverts based on survey
GCS_1046_SD (NAVD 88)

```
         Name: 13P2350S            From Node: 13P2350N           Length(ft): 54.00
        Group: 13P                   To Node: 13P2400P                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 83.600         83.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
S-100 to Pond 1 : See sheets 99, 58
Estimated length from aerials
d/s invert estimated - could not find invert on plans
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
         Name: 13P2400C            From Node: PRAIRIE            Length(ft): 16.00
        Group: 13P                   To Node: PEARL                   Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 96.00          96.00                        Entrance Loss Coef: 0.50
     Rise(in): 96.00          96.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.890         81.440                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13P2400S            From Node: 13P2400P           Length(ft): 50.00
```

```
        Group: 13P                  To Node: 13P2410N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 82.410         82.400                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 1 to DS-1: See sheets 99, 102
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

-----------------------------------------------------------------------------------------------------
         Name: 13P2420S            From Node: 13P2420N           Length(ft): 590.00
        Group: 13P                  To Node: PRAIRIE                Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 1.00
   Invert(ft): 87.400         84.620                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
u/s  invert from plans  - see sheet 99
d/s outfall location assumed
d/s invert estimated from terrain
length estimated from aerials

-----------------------------------------------------------------------------------------------------
         Name: 13P2610S            From Node: 13P2620N           Length(ft): 455.00
        Group: 13P                  To Node: PRAIRIE                Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 82.850         81.850                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



-----------------------------------------------------------------------------------------------------
         Name: 13P2630S            From Node: 13P2640N           Length(ft): 180.00
        Group: 13P                  To Node: 13P2620N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 83.350         82.850                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2643S            From Node: 13P2643N          Length(ft): 456.00
        Group: 13P                   To Node: 13P2640N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.950         83.850                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2644S            From Node: 13P2644N          Length(ft): 580.00
        Group: 13P                   To Node: 13P2643N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 87.550         85.450                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2646S            From Node: 13P2646N          Length(ft): 94.00
        Group: 13P                   To Node: 13P2644N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 15.00          15.00                        Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                            Exit Loss Coef: 0.00
   Invert(ft): 88.450         88.050                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2650S            From Node: 13P2660P          Length(ft): 97.00
        Group: 13P                   To Node: 13P2640N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 84.350         84.150                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13P31200S           From Node: 13P3120N          Length(ft): 250.00
        Group: GEE                   To Node: 13P3150N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                    Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                        Exit Loss Coef: 0.00
   Invert(ft): 88.740         89.010                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13P3150S            From Node: 13P3150N          Length(ft): 180.00
        Group: GEE                   To Node: 13P3100P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                        Exit Loss Coef: 1.00
   Invert(ft): 89.050         88.490                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

DS inv calculated by .31% slope. Smart box carries overflow to node.

-----------------------------------------------------------------------------------------------------
         Name: 13P3250S            From Node: 13P3250N          Length(ft): 193.00
        Group: GEE                   To Node: 13P3120N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 85.570         88.640                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
```

Circular Concrete: Square edge w/ headwall

```
         Name: 13P3300S            From Node: 13P3300N           Length(ft): 214.00
        Group: GEE                   To Node: 13P3250N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 84.400         85.570                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3350S            From Node: 13P3350N           Length(ft): 249.00
        Group: GEE                   To Node: 13P3300N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.900         84.660                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3400S            From Node: 13P3400P           Length(ft): 140.00
        Group: GEE                   To Node: 13P3350N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                       Entrance Loss Coef: 0.70
     Rise(in): 54.00          54.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.330         81.900                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3450S            From Node: 13P3450N           Length(ft): 373.00
        Group: GEE                   To Node: 13P3500N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 89.190         83.880                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3500S            From Node: 13P3500N          Length(ft): 119.00
        Group: GEE                   To Node: PRAIRIE                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 1.00
   Invert(ft): 83.260         82.390                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13Q0821S            From Node: 13Q0821N          Length(ft): 583.00
        Group: 13Q                   To Node: 13Q0822N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 84.410         83.390                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Structure S-122 to S-115
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
         Name: 13Q0822S            From Node: 13Q0822N          Length(ft): 371.00
        Group: 13Q                   To Node: GRASSY                  Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 83.300         83.340                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-115 to S-110
GCS_1046_SD

Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0861S            From Node: 13Q0861N          Length(ft): 391.00
        Group: 13Q                   To Node: 13Q0865N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 23.00          23.00                        Entrance Loss Coef: 0.50
     Rise(in): 14.00          14.00                            Exit Loss Coef: 0.00
   Invert(ft): 86.090         85.370                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0865S            From Node: 13Q0865N          Length(ft): 99.00
        Group: 13Q                   To Node: 13Q0875N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 19.00          19.00                            Exit Loss Coef: 0.00
   Invert(ft): 85.320         85.100                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0875S            From Node: 13Q0875N          Length(ft): 380.00
        Group: 13Q                   To Node: 13Q0880N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 45.00          45.00                        Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                            Exit Loss Coef: 0.00
   Invert(ft): 85.100         84.350                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0880S            From Node: 13Q0880N          Length(ft): 606.00
        Group: 13Q                   To Node: 13Q0885N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.350         83.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0885S            From Node: 13Q0885N           Length(ft): 67.00
        Group: 13Q                   To Node: 13Q0890N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 54.00          54.00                         Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                             Exit Loss Coef: 0.00
   Invert(ft): 82.930         82.860                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length not correct in infrastructure - estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0890S            From Node: 13Q0890N           Length(ft): 350.00
        Group: 13Q                   To Node: 13Q0895N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 36.00          36.00                         Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                             Exit Loss Coef: 0.00
   Invert(ft): 82.830         82.470                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length in infrastructrue incorrect -  estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0895S            From Node: 13Q0895N           Length(ft): 2.00
        Group: 13Q                   To Node: 13Q0896N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 60.00          60.00                         Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                             Exit Loss Coef: 0.00
   Invert(ft): 78.610         78.600                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
dimensions measured in field
 assumed circular geometry and 5' diameter
inverts measured from top of structure (Top estimated from terrain)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0924S            From Node: 13Q0924P          Length(ft): 298.00
        Group: 13Q                   To Node: 13Q0940P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.70
     Rise(in): 42.00          42.00                           Exit Loss Coef: 1.00
   Invert(ft): 80.000         80.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S- 128C to S-127A
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0940S            From Node: 13Q0940P          Length(ft): 126.00
        Group: 13Q                   To Node: 13Q0820P               Count: 2
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.70
     Rise(in): 30.00          30.00                           Exit Loss Coef: 1.00
   Invert(ft): 80.130         79.890                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-121D to S-121C
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q2290S            From Node: 13Q2290P          Length(ft): 105.00
        Group: 13Q                   To Node: 13Q2291N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.950         78.620                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

```
-----------------------------------------------------------------------------------------------
         Name: 13Q2292S            From Node: 13Q2292N          Length(ft): 210.00
```

```
        Group: 13Q                  To Node: 13Q2293N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                     Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                         Exit Loss Coef: 0.00
   Invert(ft): 76.720         75.900                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

-------------------------------------------------------------------------------------------------
         Name: 13Q2293S            From Node: 13Q2293N          Length(ft): 439.00
        Group: 13Q                  To Node: 13Q2294N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 75.400         73.310                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)


-------------------------------------------------------------------------------------------------
         Name: 13Q2295S            From Node: 13Q2295N          Length(ft): 47.00
        Group: 13Q                  To Node: 13Q2296N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 71.900         73.170                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)


-------------------------------------------------------------------------------------------------
         Name: 13Q2296S            From Node: 13Q2296N          Length(ft): 35.00
        Group: 13Q                  To Node: 13Q2300P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                         Exit Loss Coef: 1.00
   Invert(ft): 72.120         73.050                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)

==========
==== Channels ==========
==========

```
          Name: 13A0100             From Node: 13A0100N           Length(ft): 831.53
         Group: 13A                   To Node: JESUP                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 2.350          2.950                                 Flow: Both
 TClpInitZ(ft): 17.450         10.850                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0100X       13A0000X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
          Name: 13A0300             From Node: 13A0300N           Length(ft): 468.49
         Group: 13A                   To Node: 13A0100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 5.050          2.350                                 Flow: Both
 TClpInitZ(ft): 13.950         17.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0300X       13A0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
          Name: 13A0600             From Node: 13A0600N           Length(ft): 362.70
         Group: 13A                   To Node: 13A0500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0600G            From Node: 13A0600N           Length(ft): 581.09
         Group: 13A                   To Node: 13A0500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: None
 TClpInitZ(ft): 13.950         12.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0900             From Node: 13A0900N           Length(ft): 849.63
         Group: 13A                   To Node: 13A0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 7.250          4.150                                 Flow: Both
 TClpInitZ(ft): 16.650         17.750                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0800X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0950             From Node: 13A0950N           Length(ft): 300.23
         Group: 13A                   To Node: 13A0900N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 8.050          7.250                                 Flow: Both
 TClpInitZ(ft): 16.650         16.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0900X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1000             From Node: 13A1000N           Length(ft): 286.49
         Group: 13A                   To Node: 13A0950N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 8.850          8.050                                 Flow: Both
 TClpInitZ(ft): 17.050         17.050                       Contraction Coef: 0.100
```

```
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1000X       13A1000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1100             From Node: 13A1100N          Length(ft): 945.28
         Group: 13A                   To Node: 13A1000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.350         8.850                               Flow: Both
 TClpInitZ(ft): 20.250         17.050                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1100X       13A1000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1400             From Node: 13A1400N          Length(ft): 935.83
         Group: 13A                   To Node: 13A1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 11.950         11.150                              Flow: Both
 TClpInitZ(ft): 25.250         20.750                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1400X       13A1300X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1700             From Node: 13A1700N          Length(ft): 725.51
         Group: 13A                   To Node: 13A1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 15.150         12.550                              Flow: Both
 TClpInitZ(ft): 28.750         26.250                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1700X       13A1600X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
--------------------------------------------------------------------------------------------------
          Name: 13A1800             From Node: 13A1800N          Length(ft): 804.08
         Group: 13A                   To Node: 13A1700N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 14.650         15.150                              Flow: Both
 TClpInitZ(ft): 28.050         28.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1800X       13A1700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13A1900             From Node: 13A1900N          Length(ft): 606.48
         Group: 13A                   To Node: 13A1800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 17.850         14.650                              Flow: Both
 TClpInitZ(ft): 26.950         28.050                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1900X       13A1800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13A2200             From Node: 13A2200N          Length(ft): 526.47
         Group: 13A                   To Node: 13A2100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                              Flow: Both
 TClpInitZ(ft): 29.450         27.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13A2200G            From Node: 13A2200N          Length(ft): 554.17
         Group: 13A                   To Node: 13A2100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                              Flow: None
 TClpInitZ(ft): 29.450         27.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2300             From Node: 13A2300N           Length(ft): 713.10
         Group: 13A                   To Node: 13A2200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 21.150         19.150                                Flow: Both
 TClpInitZ(ft): 32.750         29.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2300X       13A2200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2400             From Node: 13A2400N           Length(ft): 641.78
         Group: 13A                   To Node: 13A2350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.350         21.150                                Flow: Both
 TClpInitZ(ft): 32.950         32.750                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2400X       13A2300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2750             From Node: 13A2750N           Length(ft): 904.10
         Group: 13A                   To Node: 13A2600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         22.650                                Flow: Both
 TClpInitZ(ft): 30.350         32.790                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2700X       13A2600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------
          Name: 13A2800             From Node: 13A2800N           Length(ft): 689.46
         Group: 13A                   To Node: 13A2750N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 28.450         25.150                                Flow: Both
 TClpInitZ(ft): 35.250         33.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2800X       13A2750X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2900             From Node: 13A2900N           Length(ft): 1060.76
         Group: 13A                   To Node: 13A2800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 31.750         28.450                                Flow: Both
 TClpInitZ(ft): 36.950         35.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2900X       13A2800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3000             From Node: 13A3000N           Length(ft): 644.30
         Group: 13A                   To Node: 13A2900N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 31.950         31.750                                Flow: Both
 TClpInitZ(ft): 37.350         36.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A3000X       13A2900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3300             From Node: 13A3300N           Length(ft): 311.71
         Group: 13A                   To Node: 13A3200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 31.750         32.450                                Flow: Both
 TClpInitZ(ft): 39.950         40.010                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A3300X       13A3200X                     Outlet Ctrl Spec: Use dc or tw
```

```
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3400             From Node: 13A3400N          Length(ft): 538.68
         Group: 13A                   To Node: 13A3300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 33.250         31.750                                Flow: Both
 TClpInitZ(ft): 41.750         39.950                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A3400X       13A3300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3700             From Node: 13A3700N          Length(ft): 707.33
         Group: 13A                   To Node: 13A3600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 34.750         32.750                                Flow: Both
 TClpInitZ(ft): 43.930         51.650                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A3700X       13A3600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4000             From Node: 13A4000N          Length(ft): 431.50
         Group: 13A                   To Node: 13A3900N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 36.950         36.550                                Flow: Both
 TClpInitZ(ft): 39.850         39.950                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A4000X       13A3900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
```

```
          Name: 13A4100             From Node: 13A4100N          Length(ft): 322.77
         Group: 13A                   To Node: 13A4000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 37.450         36.950                               Flow: Both
 TClpInitZ(ft): 43.750         39.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.770
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4100X       13A4000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4200             From Node: 13A4200N          Length(ft): 431.82
         Group: 13A                   To Node: 13A4100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 38.250         37.450                               Flow: Both
 TClpInitZ(ft): 44.350         43.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4200X       13A4100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4300             From Node: 13A4300N          Length(ft): 448.11
         Group: 13A                   To Node: 13A4200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 39.050         38.250                               Flow: Both
 TClpInitZ(ft): 48.950         44.350                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4300X       13A4200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4400             From Node: 13A4400N          Length(ft): 532.84
         Group: 13A                   To Node: 13A4300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 40.250         39.050                               Flow: Both
 TClpInitZ(ft): 47.050         48.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A4400X       13A4300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4700             From Node: 13A4700N          Length(ft): 466.19
         Group: 13A                   To Node: 13A4600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 40.850         39.850                              Flow: Both
 TClpInitZ(ft): 45.450         45.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.500
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4600X       13A4600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4800             From Node: 13A4800N          Length(ft): 204.85
         Group: 13A                   To Node: 13A4700N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 41.850         40.850                              Flow: Both
 TClpInitZ(ft): 48.060         47.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4800X       13A4700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5050             From Node: 13A5050N          Length(ft): 269.83
         Group: 13A                   To Node: 13A5000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 42.650         42.350                              Flow: Both
 TClpInitZ(ft): 48.150         48.150                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5000X       13A5000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5100             From Node: 13A5100N          Length(ft): 372.55
         Group: 13A                   To Node: 13A5050N               Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 42.850         42.650                                 Flow: Both
 TClpInitZ(ft): 51.150         51.150                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5100X       13A5100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5200             From Node: 13A5200N           Length(ft): 553.84
         Group: 13A                   To Node: 13A5100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 42.950         42.850                                 Flow: Both
 TClpInitZ(ft): 52.250         51.150                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.670
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5200X       13A5100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5300             From Node: 13A5300N           Length(ft): 240.80
         Group: 13A                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.350         42.950                                 Flow: Both
 TClpInitZ(ft): 53.650         52.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5300X       13A5200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5400             From Node: 13A5400N           Length(ft): 530.56
         Group: 13A                   To Node: 13A5300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.850         43.350                                 Flow: Both
 TClpInitZ(ft): 56.450         53.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5400X       13A5300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A5500             From Node: 13A5500N           Length(ft): 292.75
         Group: 13A                   To Node: 13A5400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 44.750         43.850                                Flow: Both
 TClpInitZ(ft): 56.050         56.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5500X       13A5400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 51.850         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1: 13A5500X_Aux1                               Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A5600             From Node: 13A5600N           Length(ft): 235.28
         Group: 13A                   To Node: 13A5500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.250         44.750                                Flow: Both
 TClpInitZ(ft): 53.850         56.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5600X       13A5500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          51.850                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                13A5500X_Aux1                Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A6200             From Node: KATHRYN            Length(ft): 445.11
         Group: 13A                   To Node: 13A6000P                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 47.050         47.050                                Flow: Both
 TClpInitZ(ft): 53.450         53.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A6100X       13A6100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13B0500             From Node: 13B0500N           Length(ft): 325.01
         Group: 13B                   To Node: 13B0400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
```

```
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 15.450         13.350                                Flow: Both
 TClpInitZ(ft): 23.050         21.650                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13B0500X       13B0400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13B0600             From Node: 13B0600N           Length(ft): 524.30
         Group: 13B                   To Node: 13B0500N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 19.650         15.450                                Flow: Both
 TClpInitZ(ft): 30.450         23.050                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13B0600X       13B0500X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0100             From Node: 13C0100N           Length(ft): 291.32
         Group: 13C                   To Node: 13A0950N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 7.950          7.250                                 Flow: Both
 TClpInitZ(ft): 15.950         15.950                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                Exit Loss Coef: 0.500
     Main XSec: 13C0100X       13C0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0200             From Node: 13C0200N           Length(ft): 205.67
         Group: 13C                   To Node: 13C0100N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 8.950          7.950                                 Flow: Both
 TClpInitZ(ft): 16.290         16.290                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C0200X       13C0200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
```

```
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0300             From Node: 13C0300N          Length(ft): 389.96
         Group: 13C                   To Node: 13C0200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.050         8.950                                  Flow: Both
 TClpInitZ(ft): 15.750         16.290                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13C0300X       13C0200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0600             From Node: 13C0600N          Length(ft): 352.63
         Group: 13C                   To Node: 13C0500N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 9.250          10.450                                 Flow: Both
 TClpInitZ(ft): 15.850         15.850                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 1.000
     Main XSec: 13C0700X       13C0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0800             From Node: 13C0800N          Length(ft): 705.54
         Group: 13C                   To Node: 13C0600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 13.150         9.250                                  Flow: Both
 TClpInitZ(ft): 17.550         15.850                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.450
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13C0800X       13C0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C1100             From Node: 13C1100N          Length(ft): 717.46
         Group: 13C                   To Node: 13C1000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 15.150         12.850                                 Flow: Both
```

```
 TClpInitZ(ft): 21.950         21.050                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 1.000
     Main XSec: 13C1100X       13C1000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1200             From Node: 13C1200N           Length(ft): 988.12
         Group: 13C                   To Node: 13C1100N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 20.450         15.150                                  Flow: Both
 TClpInitZ(ft): 25.950         21.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 1.000
     Main XSec: 13C1200X       13C1100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1300             From Node: 13C1300N           Length(ft): 474.47
         Group: 13C                   To Node: 13C1200N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.550         20.450                                  Flow: Both
 TClpInitZ(ft): 28.950         25.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.500
  Bot Clip(ft):                                               Exit Loss Coef: 0.500
     Main XSec: 13C1300X       13C1200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1350             From Node: 13C1350N           Length(ft): 563.30
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 23.950         22.550                                  Flow: Both
 TClpInitZ(ft): 28.950         28.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.250
  Bot Clip(ft):                                               Exit Loss Coef: 0.500
     Main XSec: 13C1400X       13C1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
```

```
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1400             From Node: 13C1400N           Length(ft): 479.05
         Group: 13C                   To Node: 13C1350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.450         23.950                                Flow: Both
 TClpInitZ(ft): 28.950         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13C1400X       13C1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500             From Node: 13C1500N           Length(ft): 515.37
         Group: 13C                   To Node: 13C1400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         25.450                                Flow: Both
 TClpInitZ(ft): 29.750         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13C1500X       13C1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500X            From Node: 13C1500N           Length(ft): 1400.00
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 30.330         25.130                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13C1800             From Node: 13C1800N           Length(ft): 451.89
         Group: 13C                   To Node: 13C1700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 26.750         26.250                                Flow: Both
 TClpInitZ(ft): 31.950         31.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
```

```
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13C1800X       13C1700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1850             From Node: 13C1850N           Length(ft): 409.65
         Group: 13C                   To Node: 13C1800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.050         26.750                                Flow: Both
 TClpInitZ(ft): 31.950         31.950                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1900             From Node: 13C1900N           Length(ft): 422.97
         Group: 13C                   To Node: 13C1850N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.450         27.050                                Flow: Both
 TClpInitZ(ft): 31.950         31.950                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1900X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C2000             From Node: 13C2000N           Length(ft): 599.29
         Group: 13C                   To Node: 13C1900N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 30.650         27.450                                Flow: Both
 TClpInitZ(ft): 34.650         34.650                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13C2000X       13C2000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

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-----------------------------------------------------------------------------------------------------
          Name: 13D0150             From Node: 13D0150N          Length(ft): 479.03
         Group: 13D                   To Node: 13A2750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 27.700         25.150                               Flow: Both
 TClpInitZ(ft): 31.750         31.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0100X       13D0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13D0200             From Node: 13D0200N          Length(ft): 344.56
         Group: 13D                   To Node: 13D0150N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 29.250         27.700                               Flow: Both
 TClpInitZ(ft): 35.450         35.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0200X       13D0200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13D0500             From Node: 13D0500N          Length(ft): 226.42
         Group: 13D                   To Node: 13D0400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 34.650         34.150                               Flow: Both
 TClpInitZ(ft): 42.850         39.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0500X       13D0400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13D0750             From Node: 13D0750N          Length(ft): 531.99
         Group: 13D                   To Node: 13D0700N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 37.050         35.350                               Flow: Both
 TClpInitZ(ft): 44.650         44.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
```

```
     Main XSec: 13D0700X       13D0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0800             From Node: 13D0800N           Length(ft): 397.55
         Group: 13D                   To Node: 13D0750N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 38.850         37.050                                 Flow: Both
 TClpInitZ(ft): 46.050         46.050                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0800X       13D0800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0200             From Node: 13F0200N           Length(ft): 427.07
         Group: 13F                   To Node: 13A4400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.300         40.250                                 Flow: Both
 TClpInitZ(ft): 50.150         49.250                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13F0200X       13F0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0750             From Node: 13F0750N           Length(ft): 314.39
         Group: 13F                   To Node: 13F0700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 52.950         49.900                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 15.00          15.00
  RtSdSlp(h/v): 15.00          15.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13F0800             From Node: 13F0800N          Length(ft): 276.94
        Group: 13F                  To Node: 13F0750N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 53.250         52.950                                Flow: Both
TClpInitZ(ft): 56.050         56.050                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13F0800X       13F0800X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                              Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13G0100             From Node: 13G0100N          Length(ft): 454.07
        Group: 13G                  To Node: 13A5050N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 43.750         42.650                                Flow: Both
TClpInitZ(ft): 49.650         49.650                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13G0100X       13G0100X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                              Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13G0200             From Node: 13G0200N          Length(ft): 318.27
        Group: 13G                  To Node: 13G0100N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 45.250         43.750                                Flow: Both
TClpInitZ(ft): 52.050         49.650                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13G0200X       13G0100X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                              Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13G0500             From Node: 13G0500N          Length(ft): 937.30
        Group: 13G                  To Node: 13G0400N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 44.350         44.340                                Flow: Both
TClpInitZ(ft): 49.250         51.650                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13G0500X       13G0400X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0600             From Node: 13G0600N           Length(ft): 1004.35
         Group: 13G                   To Node: 13G0500N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 45.450         44.350                               Flow: Both
 TClpInitZ(ft): 52.750         49.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G0600X       13G0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2000             From Node: 13G2000N           Length(ft): 326.25
         Group: 13G                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.950         42.950                               Flow: Both
 TClpInitZ(ft): 50.950         50.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G2000X       13G2000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2100             From Node: 13G2100N           Length(ft): 525.11
         Group: 13G                   To Node: 13G2000N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.950         43.950                               Flow: Both
 TClpInitZ(ft): 53.950         50.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G2100X       13G2000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13I0400             From Node: 13I0400N           Length(ft): 304.55
```

```
        Group: 13I                  To Node: 13I0300N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.650        50.350                               Flow: Both
 TClpInitZ(ft): 58.670        57.930                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0400X      13I0300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13I0700            From Node: 13I0700N          Length(ft): 255.98
        Group: 13I                  To Node: FAIRY                  Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 54.450        53.950                               Flow: Both
 TClpInitZ(ft): 59.850        59.850                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0700X      13I0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13I1000            From Node: 13I1000N          Length(ft): 495.92
        Group: 13I                  To Node: 13I0900N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 56.950        54.830                               Flow: Both
 TClpInitZ(ft): 62.250        59.850                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I1000X      13I0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13I1507X           From Node: 13I1512N          Length(ft): 163.00
        Group: 13I                  To Node: 13I1506N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350        64.350                               Flow: Both
 TClpInitZ(ft): 98.940        98.940                       Contraction Coef: 0.100
   Manning's N: 0.013000      0.013000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000         0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000         0.000                         Exit Loss Coef: 0.000
     Main XSec:                                           Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                            Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------
          Name: 13I1510X            From Node: 13I1510N           Length(ft): 760.00
         Group: 13I                   To Node: 13I1504N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350         63.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------
          Name: 13J0340X            From Node: 13J0340N           Length(ft): 92.00
         Group: 13J                   To Node: 13J0320N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.050         64.550                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 11.20          11.20
  RtSdSlp(h/v): 10.70          10.70


-----------------------------------------------------------------------------------------------
          Name: 13J0360X            From Node: 13J0360N           Length(ft): 132.00
         Group: 13J                   To Node: 13J0340N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 66.950         65.050                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         0.000
  LtSdSlp(h/v): 5.26           17.00
  RtSdSlp(h/v): 5.67           6.11


-----------------------------------------------------------------------------------------------
          Name: 13J0400X            From Node: 13J0400N           Length(ft): 398.00
         Group: 13J                   To Node: 13J0360N                Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 72.250         66.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 13.00          8.90
  RtSdSlp(h/v): 9.50           15.00


-----------------------------------------------------------------------------------------------------
          Name: 13J0500X            From Node: 13J0600N           Length(ft): 1007.94
         Group: 13J                   To Node: 13J0300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.310         61.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------------
          Name: 13J0501X            From Node: 13J0600N           Length(ft): 450.00
         Group: 13J                   To Node: FAIRY                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.310         72.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------------
          Name: 13J0640             From Node: 13J0640N           Length(ft): 420.00
         Group: 13J                   To Node: 13J0600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 69.950         69.130                                Flow: Both
 TClpInitZ(ft): 75.650         75.080                      Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13J0640X       13J0600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J0800X            From Node: 13J0800N           Length(ft): 370.00
         Group: 13J                   To Node: 13J0640N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         75.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                        Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0801X            From Node: 13J0800N           Length(ft): 880.00
         Group: 13J                   To Node: FAIRY                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         69.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                        Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0900             From Node: 13J0900N           Length(ft): 311.00
         Group: 13J                   To Node: 13J0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.950         71.130                                  Flow: Both
 TClpInitZ(ft): 76.250         75.650                       Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13J0900X       13J0800X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1000X            From Node: 13J1000N           Length(ft): 300.00
         Group: 13J                   To Node: 13J0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
```

```
    Invert(ft): 77.650         76.340                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                           Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                            Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 20.000         20.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J1100             From Node: 13J1100N           Length(ft): 91.00
         Group: 13J                   To Node: 13J1000N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.950         71.490                                  Flow: Both
 TClpInitZ(ft): 77.750         77.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1100X       13J1100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1400             From Node: 13J1400N           Length(ft): 336.00
         Group: 13J                   To Node: 13J1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.650         71.750                                  Flow: Both
 TClpInitZ(ft): 78.550         77.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1400X       13J1300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1400X            From Node: 13J1400N           Length(ft): 1300.00
         Group: 13J                   To Node: WILDMERE                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.550         67.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                           Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                            Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
```

```
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------------
          Name: 13J1800             From Node: 13J1800N          Length(ft): 503.00
         Group: 13J                   To Node: 13J1600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 73.250         71.250                                Flow: Both
 TClpInitZ(ft): 81.950         78.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13J1700X       13J1600X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13J1900             From Node: 13J1900N          Length(ft): 529.00
         Group: 13J                   To Node: 13J1800N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 75.050         73.250                                Flow: Both
 TClpInitZ(ft): 85.550         85.550                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13J1900X       13J1900X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13J2200             From Node: 13J2200P          Length(ft): 262.00
         Group: 13J                   To Node: 13J2100N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 77.450         75.350                                Flow: Both
 TClpInitZ(ft): 82.350         82.350                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13J2100X       13J2100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13K1500             From Node: 13K1500N          Length(ft): 757.71
         Group: 13K                   To Node: 13K1300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.750         65.150                                Flow: Both
 TClpInitZ(ft): 76.950         69.050                       Contraction Coef: 0.100
```

```
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13K1600X       13K1400X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1600             From Node: 13K1600N           Length(ft): 215.39
         Group: 13K                   To Node: 13K1500N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 71.460         72.250                               Flow: Both
 TClpInitZ(ft): 76.950         76.950                     Contraction Coef: 0.500
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 1.000
  Bot Clip(ft):                                         Exit Loss Coef: 1.000
     Main XSec: 13K1600X       13K1600X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1720X            From Node: 13K1750N           Length(ft): 1450.00
         Group: 13K                   To Node: 13K0750N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 74.710         66.950                               Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 1.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                           Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                            Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13K2000             From Node: 13K2000N           Length(ft): 406.54
         Group: 13K                   To Node: GRIFFIN                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.460         78.150                               Flow: Both
 TClpInitZ(ft): 82.650         82.650                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13K2000X       13K2000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------
          Name: 13L0200             From Node: 13L0200N          Length(ft): 580.00
         Group: 13L                   To Node: KATHRYN                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 47.450         47.050                              Flow: Both
 TClpInitZ(ft): 54.950         52.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L0200X       13L0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L0800             From Node: TRIPLT-N          Length(ft): 1042.05
         Group: 13L                   To Node: 13L0400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 46.550         46.750                              Flow: Both
 TClpInitZ(ft): 52.750         56.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.200
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L0700X       13L0400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L1200             From Node: TRIPLT-S          Length(ft): 50.00
         Group: 13L                   To Node: TRIPLT-M               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 49.440         49.440                              Flow: Both
 TClpInitZ(ft): 52.200         52.200                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L1200X       13L1200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added  - Golf Cart path seperating Middle and South Triplet Lake
 Middle and South  Triplet Lake were orginally modeled as one node
xsec points, inverts, and Top Clip Elev from LiDar
length estimated from aerials

-----------------------------------------------------------------------------------------------
          Name: 13L1400             From Node: 13L1400N          Length(ft): 530.00
         Group: 13L                   To Node: TRIPLT-S               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
```

```
    Invert(ft): 48.950         47.650                                  Flow: Both
 TClpInitZ(ft): 57.820         52.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L1400X       13L1300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L1700             From Node: QUEENS             Length(ft): 175.00
         Group: 13L                   To Node: 13L1600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.250         49.250                                  Flow: Both
 TClpInitZ(ft): 57.510         57.510                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L1600X       13L1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L2800             From Node: 13L2800N           Length(ft): 315.97
         Group: 13L                   To Node: 13L2700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 70.550         69.050                                  Flow: Both
 TClpInitZ(ft): 79.650         75.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L2800X       13L2700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L3100             From Node: 13L3100N           Length(ft): 252.63
         Group: 13L                   To Node: 13L3000N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.750         72.400                                  Flow: Both
 TClpInitZ(ft): 81.450         81.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L3100X       13L3000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13M0400             From Node: SECRET            Length(ft): 381.39
         Group: 13M                   To Node: 13M0300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 47.950         48.650                                Flow: Both
 TClpInitZ(ft): 54.750         54.750                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13M0300X       13M0300X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13M1200             From Node: 13M1200N          Length(ft): 299.46
         Group: 13M                   To Node: 13M1100N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 53.750         52.480                                Flow: Both
 TClpInitZ(ft): 58.150         58.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13M1200X       13M1100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13M1500             From Node: 13M1500N          Length(ft): 323.64
         Group: 13M                   To Node: 13M1400N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 55.050         54.150                                Flow: Both
 TClpInitZ(ft): 61.750         59.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13M1500X       13M1400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13M2340             From Node: 13M2340P          Length(ft): 868.00
         Group: 13M                   To Node: 13M2335N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
```

```
    Invert(ft): 70.550         68.800                                  Flow: Both
 TClpInitZ(ft): 73.950         72.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M2340X       13M2334X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised To Node and d/s Invert
GCS_1037_SD (NGVD 29)



-------------------------------------------------------------------------------------------------
          Name: 13N0200             From Node: LOST               Length(ft): 394.00
         Group: 13N                   To Node: TRIPLT-M                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.440         49.350                                  Flow: Both
 TClpInitZ(ft): 51.820         51.820                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0100X       13N0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

revised xsec points to match terrain
updated u/s and d/s inverts
Updated Top Clip Elev.



-------------------------------------------------------------------------------------------------
          Name: 13N0300             From Node: 13N0300N           Length(ft): 438.61
         Group: 13N                   To Node: LOST                    Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.850         49.250                                  Flow: Both
 TClpInitZ(ft): 55.950         55.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0300X       13N0300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: 13N0400             From Node: 13N0400N           Length(ft): 635.00
         Group: 13N                   To Node: 13N0350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.740         49.850                                  Flow: Both
 TClpInitZ(ft): 57.050         55.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
```

```
     Main XSec: 13N0400X       13N0400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised length based on survey
GCS_1048_SD
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13N0700             From Node: YVONNE            Length(ft): 338.64
         Group: 13N                   To Node: 13N0600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.750         51.770                                Flow: Both
 TClpInitZ(ft): 57.250         57.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0600X       13N0600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P0450C            From Node: 13P0450N          Length(ft): 605.00
         Group: 13P                   To Node: TRIPLT-M               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 53.250         50.340                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P0450X       13P0450TMX                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added
xsecs points from terrain


-----------------------------------------------------------------------------------------------
          Name: 13P0500C            From Node: 13P0500P          Length(ft): 1100.00
         Group: 13P                   To Node: POND2                  Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 58.570         53.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N: 0.030000       0.030000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft): 5.000          5.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00



-----------------------------------------------------------------------------------------------
          Name: 13P0860X            From Node: 13P0900N           Length(ft): 163.00
         Group: 13P                   To Node: 13P0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 66.200         63.160                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P0860X       13P0860X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Adjusted length to match aerial
Changed geometry from trapezoidal to better match terrain
xsec points from terrain
updated u/s and d/s inverts to match pipe inverts


-----------------------------------------------------------------------------------------------
          Name: 13P1000             From Node: 13P1000N           Length(ft): 303.47
         Group: 13P                   To Node: 13P0950N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 68.700         67.310                                Flow: Both
 TClpInitZ(ft): 72.250         72.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.610
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P1000X       13P0900X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Changed To Node
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P1300             From Node: 13P1300N           Length(ft): 282.30
         Group: 13P                   To Node: 13P1200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.450         70.930                                Flow: Both
 TClpInitZ(ft): 77.550         75.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.330
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P1300X       13P1200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------------
          Name: 13P1400             From Node: 13P1400N          Length(ft): 192.00
         Group: 13P                   To Node: 13P1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 74.040         72.450                               Flow: Both
 TClpInitZ(ft): 78.450         77.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P1400X       13P1300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------------
          Name: 13P1650             From Node: 13P1650N          Length(ft): 160.07
         Group: 13P                   To Node: 13P1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.280         74.850                               Flow: Both
 TClpInitZ(ft): 80.910         80.910                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P1600X       13P1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13P1700             From Node: 13P1700N          Length(ft): 225.92
         Group: 13P                   To Node: 13P1650N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.890         75.280                               Flow: Both
 TClpInitZ(ft): 80.950         80.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P1700X       13P1700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13P1813C            From Node: 13P1813N          Length(ft): 150.00
         Group: 13P                   To Node: 13P1814N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 81.140         78.590                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
```

```
   Manning's N: 0.040000       0.060000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00

Added
Channel with dense grass/weeds
Estimated  inverts from terrian
Estimated length and slope from aerials
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
d/s invert updted to match pipe invert

-----------------------------------------------------------------------------------------------
          Name: 13P1815             From Node: 13P1814N           Length(ft): 291.00
         Group: 13P                   To Node: 13P1815N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 77.650         74.940                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P1815USX     13P1815DSX                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

-----------------------------------------------------------------------------------------------
          Name: 13P2250             From Node: PEARL              Length(ft): 436.00
         Group: 13P                   To Node: 13P2200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 87.960         87.530                                Flow: Both
 TClpInitZ(ft): 88.770         88.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P2200X       13P2200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length updated to match aerials/terrain
updated xsec points from Lidar
updated Inverts and top clip ref elevations

=============================================================================================
==== Drop Structures ========================================================================
=============================================================================================

         Name: 13A0730D            From Node: 13A0735P           Length(ft): 207.00
        Group: 13A                   To Node: 13A0725N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 14.520         13.880                        Exit Loss Coef: 0.000
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13A0730D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 18.970
              Rise(in): 60.00                  Control Elev(ft): 18.970


-----------------------------------------------------------------------------------------------
         Name: 13A2210D            From Node: 13A2220P           Length(ft): 152.00
        Group: 13A                   To Node: 13A2200N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 24.860         20.710                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13A2210D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 33.00                       Invert(ft): 30.330
              Rise(in): 30.48                  Control Elev(ft): 30.330

*** Weir 2 of 2 for Drop Structure 13A2210D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.96                       Invert(ft): 32.350
              Rise(in): 48.00                  Control Elev(ft): 32.350


-----------------------------------------------------------------------------------------------
         Name: 13A2810D            From Node: 13A2820P           Length(ft): 75.00
        Group: 13A                   To Node: 13A2800N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                                 Flow: Both
     Rise(in): 42.00          42.00                     Entrance Loss Coef: 0.200
   Invert(ft): 28.950         28.920                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 33.7° bevels

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope
```

```
*** Weir 1 of 3 for Drop Structure 13A2810D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 105.36                      Invert(ft): 35.380
              Rise(in): 999.00                 Control Elev(ft): 35.380

*** Weir 2 of 3 for Drop Structure 13A2810D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 73.44                       Invert(ft): 36.380
              Rise(in): 999.00                 Control Elev(ft): 36.380

*** Weir 3 of 3 for Drop Structure 13A2810D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 15.00                       Invert(ft): 31.380
              Rise(in): 15.00                  Control Elev(ft): 31.380


-------------------------------------------------------------------------------------------------
         Name: 13A5310D            From Node: 13A5320P           Length(ft): 87.00
        Group: 13A                   To Node: 13A5300N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 45.070         44.890                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                            Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 2 for Drop Structure 13A5310D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 26.40                       Invert(ft): 49.020
              Rise(in): 6.00                   Control Elev(ft): 49.020

*** Weir 2 of 2 for Drop Structure 13A5310D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.20                       Invert(ft): 50.740
              Rise(in): 24.00                  Control Elev(ft): 50.740


-------------------------------------------------------------------------------------------------
         Name: 13C0400D            From Node: 13C0500N           Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 9.620          9.350                          Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000         0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                        Invert(ft): 10.350
              Rise(in): 999.00                 Control Elev(ft): 10.350


-----------------------------------------------------------------------------------------------
         Name: 13C0401D            From Node: 13C0500N          Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N               Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                  Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.500
   Invert(ft): 9.270          9.110                         Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0401D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                        Invert(ft): 11.610
              Rise(in): 999.00                 Control Elev(ft): 11.610


-----------------------------------------------------------------------------------------------
         Name: 13F0600D            From Node: 13F0700N          Length(ft): 50.00
        Group: 13F                   To Node: 13F0400P               Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                  Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 47.770         46.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall



*** Weir 1 of 2 for Drop Structure 13F0600D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                        Invert(ft): 49.910
              Rise(in): 9.24                   Control Elev(ft): 49.910

*** Weir 2 of 2 for Drop Structure 13F0600D ***
```

```
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 49.910
              Rise(in): 9.24                  Control Elev(ft): 49.910


-----------------------------------------------------------------------------------------------
         Name: 13F1200D           From Node: 13F1300P          Length(ft): 47.00
        Group: 13F                  To Node: 13F1000P               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                 Flow: Both
     Rise(in): 18.00          18.00                    Entrance Loss Coef: 0.200
   Invert(ft): 51.250         51.020                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13F1200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 54.870
              Rise(in): 24.00                 Control Elev(ft): 54.870


-----------------------------------------------------------------------------------------------
         Name: 13H0120D           From Node: 13H0150P          Length(ft): 247.00
        Group: 13H                  To Node: HODGE                  Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.200
   Invert(ft): 52.950         52.190                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 2 for Drop Structure 13H0120D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 10.00                       Invert(ft): 53.990
              Rise(in): 10.00                 Control Elev(ft): 53.990

*** Weir 2 of 2 for Drop Structure 13H0120D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 57.800
              Rise(in): 36.00                 Control Elev(ft): 57.800


-----------------------------------------------------------------------------------------------
```

```
         Name: 13H0320D            From Node: 13H0350P           Length(ft): 100.00
        Group: 13H                   To Node: IRENE-N                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.200
   Invert(ft): 53.700         52.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13H0320D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Circular              Orifice Disc Coef: 0.600

               Span(in): 10.00                       Invert(ft): 54.520
               Rise(in): 10.00                  Control Elev(ft): 54.520

*** Weir 2 of 2 for Drop Structure 13H0320D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 54.00                       Invert(ft): 57.510
               Rise(in): 36.00                  Control Elev(ft): 57.510


-----------------------------------------------------------------------------------------------------
         Name: 13I0605D            From Node: 13I0610P           Length(ft): 175.00
        Group: 13I                   To Node: FAIRY                   Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.200
   Invert(ft): 52.450         51.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Circular              Orifice Disc Coef: 0.600

               Span(in): 4.00                        Invert(ft): 52.950
               Rise(in): 4.00                   Control Elev(ft): 52.950

*** Weir 2 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 12.00                       Invert(ft): 54.550
               Rise(in): 40.80                  Control Elev(ft): 54.550

*** Weir 3 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
```

```
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 2.600
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 49.00                       Invert(ft): 58.450
            Rise(in): 37.00                  Control Elev(ft): 58.450


-----------------------------------------------------------------------------------------------
         Name: 13I1400D            From Node: 13I1500P           Length(ft): 112.00
        Group: 13I                   To Node: EVERGRN                 Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.200
   Invert(ft): 54.450         53.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 2 for Drop Structure 13I1400D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 144.00                      Invert(ft): 59.980
            Rise(in): 60.00                  Control Elev(ft): 59.980

*** Weir 2 of 2 for Drop Structure 13I1400D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                 Type: Vertical: Mavis           Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Circular              Orifice Disc Coef: 0.600

            Span(in): 6.00                        Invert(ft): 57.950
            Rise(in): 6.00                   Control Elev(ft): 57.950


-----------------------------------------------------------------------------------------------
         Name: 13J2221D            From Node: 13J2221P           Length(ft): 138.00
        Group: 13J                   To Node: 13J2220P                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.200
   Invert(ft): 82.950         81.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13J2221D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 48.00                       Invert(ft): 86.950
            Rise(in): 42.00                  Control Elev(ft): 86.950


-----------------------------------------------------------------------------------------------
         Name: 13J2222D            From Node: 13J2222P           Length(ft): 125.00
        Group: 13J                   To Node: 13J2221P                 Count: 1
```

```
              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                   Entrance Loss Coef: 0.200
   Invert(ft): 83.450         82.950                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13J2222D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 87.950
              Rise(in): 42.00                  Control Elev(ft): 87.950


-----------------------------------------------------------------------------------------------
         Name: 13J2233D            From Node: 13J2233P           Length(ft): 9.00
        Group: 13J                   To Node: 13J2232N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                   Entrance Loss Coef: 0.200
   Invert(ft): 76.950         76.750                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13J2233D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 80.950
              Rise(in): 42.00                  Control Elev(ft): 80.950


-----------------------------------------------------------------------------------------------
         Name: 13K1125D            From Node: 13K1150P           Length(ft): 27.00
        Group: 13K                   To Node: 13K1100N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 14.00          14.00                   Entrance Loss Coef: 0.500
   Invert(ft): 59.150         59.200                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


*** Weir 1 of 2 for Drop Structure 13K1125D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
```

```
                 Type: Vertical: Mavis           Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular          Orifice Disc Coef: 0.600

            Span(in): 28.80                       Invert(ft): 61.030
            Rise(in): 11.28                 Control Elev(ft): 61.030

*** Weir 2 of 2 for Drop Structure 13K1125D ***
                                                                      TABLE
                Count: 1                     Bottom Clip(in): 0.000
                 Type: Horizontal               Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 2.800
            Geometry: Rectangular          Orifice Disc Coef: 0.600

            Span(in): 36.00                       Invert(ft): 61.970
            Rise(in): 24.00                 Control Elev(ft): 61.970


-----------------------------------------------------------------------------------------------
         Name: 13K1800D           From Node: GRIFFIN           Length(ft): 215.00
        Group: 13K                  To Node: 13K1750N               Count: 2

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                               Flow: Both
     Rise(in): 30.00          30.00                  Entrance Loss Coef: 0.500
   Invert(ft): 72.750         71.820                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure 13K1800D ***
                                                                      TABLE
                Count: 1                     Bottom Clip(ft): 0.000
                 Type: Vertical: Mavis           Top Clip(ft): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Trapezoidal          Orifice Disc Coef: 0.600

       Bottom Width(ft): 8.70                     Invert(ft): 74.720
       Left Sd Slp(h/v): 1.78                 Control Elev(ft): 74.720
      Right Sd Slp(h/v): 1.72           Struct Opening Dim(ft): 999.00


-----------------------------------------------------------------------------------------------
         Name: 13L1800D           From Node: 13L1825N          Length(ft): 62.00
        Group: 13L                  To Node: QUEENS                 Count: 3

              UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse             Solution Algorithm: Automatic
     Span(in): 76.00          76.00                               Flow: Both
     Rise(in): 48.00          48.00                  Entrance Loss Coef: 0.500
   Invert(ft): 50.620         50.450                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L1800D ***
                                                                      TABLE
                Count: 1                     Bottom Clip(in): 0.000
                 Type: Vertical: Mavis           Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular          Orifice Disc Coef: 0.600

            Span(in): 312.00                      Invert(ft): 52.390
            Rise(in): 999.00                Control Elev(ft): 52.390


-----------------------------------------------------------------------------------------------
         Name: 13L1890D           From Node: POND7             Length(ft): 115.00
```

```
        Group: 13L                  To Node: 13L1825N               Count: 2

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                                 Flow: Both
     Rise(in): 42.00          42.00                    Entrance Loss Coef: 0.500
   Invert(ft): 49.000         48.500                       Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L1890D ***
                                                                                    TABLE
                 Count: 2                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 53.000
              Rise(in): 37.00                  Control Elev(ft): 53.000

*** Weir 2 of 2 for Drop Structure 13L1890D ***
                                                                                    TABLE
                 Count: 4                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 52.500
              Rise(in): 6.00                   Control Elev(ft): 52.500


-------------------------------------------------------------------------------------------------
         Name: 13L1900D            From Node: 13L1950P           Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P                Count: 3

              UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse             Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                 Flow: Both
     Rise(in): 48.00          48.00                    Entrance Loss Coef: 0.500
   Invert(ft): 52.980         52.530                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L1900D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13L-W190                Control Elev(ft): 54.500
             Invert(ft): 54.500            Struct Opening Dim(ft): 999.00


-------------------------------------------------------------------------------------------------
         Name: 13L2200D            From Node: 13L2300P           Length(ft): 146.00
        Group: 13L                   To Node: 13L2150N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                 Flow: Both
     Rise(in): 54.00          54.00                    Entrance Loss Coef: 0.500
   Invert(ft): 56.230         56.250                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0
```

```
Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 5 for Drop Structure 13L2200D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 27.60                       Invert(ft): 63.870
              Rise(in): 19.68                  Control Elev(ft): 63.870

*** Weir 2 of 5 for Drop Structure 13L2200D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 79.20                       Invert(ft): 63.840
              Rise(in): 20.04                  Control Elev(ft): 63.840

*** Weir 3 of 5 for Drop Structure 13L2200D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 43.20                       Invert(ft): 62.440
              Rise(in): 36.84                  Control Elev(ft): 62.440

*** Weir 4 of 5 for Drop Structure 13L2200D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 22.80                       Invert(ft): 63.940
              Rise(in): 18.84                  Control Elev(ft): 63.940

*** Weir 5 of 5 for Drop Structure 13L2200D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 22.80                       Invert(ft): 63.940
              Rise(in): 18.84                  Control Elev(ft): 63.940


-------------------------------------------------------------------------------------------------
         Name: 13L2450D            From Node: OXFORD             Length(ft): 120.00
        Group: 13L                   To Node: 13L2400N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                Flow: Both
     Rise(in): 54.00          54.00                   Entrance Loss Coef: 0.500
   Invert(ft): 63.450         62.950                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L2450D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
```

```
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 48.00                      Invert(ft): 68.450
              Rise(in): 18.00                 Control Elev(ft): 68.450

*** Weir 2 of 2 for Drop Structure 13L2450D ***
                                                                      TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 52.00                      Invert(ft): 69.950
              Rise(in): 36.00                 Control Elev(ft): 69.950


-------------------------------------------------------------------------------------------------
         Name: 13L2530D            From Node: 13L2540P          Length(ft): 50.00
        Group: 13L                   To Node: OXFORD                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.500
   Invert(ft): 68.950         68.950                      Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall



*** Weir 1 of 2 for Drop Structure 13L2530D ***
                                                                      TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 12.00                      Invert(ft): 71.450
              Rise(in): 60.00                 Control Elev(ft): 71.450

*** Weir 2 of 2 for Drop Structure 13L2530D ***
                                                                      TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 36.00                      Invert(ft): 73.950
              Rise(in): 24.00                 Control Elev(ft): 73.950


-------------------------------------------------------------------------------------------------
         Name: 13L2550D            From Node: 13L2560P          Length(ft): 580.00
        Group: 13L                   To Node: OXFORD                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                                 Flow: Both
     Rise(in): 60.00          60.00                   Entrance Loss Coef: 0.500
   Invert(ft): 78.950         76.950                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L2550D ***
                                                                      TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600
```

```
              Span(in): 4.00                       Invert(ft): 83.950
              Rise(in): 18.00                 Control Elev(ft): 83.950

*** Weir 2 of 2 for Drop Structure 13L2550D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal               Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 2.800
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 36.00                      Invert(ft): 85.450
              Rise(in): 24.00                 Control Elev(ft): 85.450


-------------------------------------------------------------------------------------------
         Name: 13L2710D           From Node: 13L2720P          Length(ft): 340.00
        Group: 13L                  To Node: 13L2700N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 12.00          12.00                                 Flow: Both
     Rise(in): 12.00          12.00                    Entrance Loss Coef: 0.500
   Invert(ft): 70.950         68.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


*** Weir 1 of 1 for Drop Structure 13L2710D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis          Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 168.00                     Invert(ft): 72.550
              Rise(in): 999.00                Control Elev(ft): 72.550


-------------------------------------------------------------------------------------------
         Name: 13L3200D           From Node: 13P1800P          Length(ft): 460.00
        Group: 13L                  To Node: 13L3100N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse             Solution Algorithm: Most Restrictive
     Span(in): 68.00          68.00                                 Flow: Both
     Rise(in): 43.00          43.00                    Entrance Loss Coef: 0.200
   Invert(ft): 74.820         73.620                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


*** Weir 1 of 1 for Drop Structure 13L3200D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis          Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 108.00                     Invert(ft): 76.600
              Rise(in): 999.00                Control Elev(ft): 76.600


-------------------------------------------------------------------------------------------
         Name: 13M0200D           From Node: 13M0300N          Length(ft): 168.00
        Group: 13M                  To Node: 13L0400N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse             Solution Algorithm: Most Restrictive
```

```
     Span(in): 60.00          60.00                                  Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.500
   Invert(ft): 48.580         48.500                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13M0200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 63.60                       Invert(ft): 50.750
              Rise(in): 21.96                  Control Elev(ft): 50.750


-----------------------------------------------------------------------------------------------
         Name: 13M0980D            From Node: 13M0990P           Length(ft): 23.00
        Group: 13M                   To Node: 13M0970N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 52.370         51.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13M0980D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                       Invert(ft): 57.640
              Rise(in): 24.00                  Control Elev(ft): 57.640


-----------------------------------------------------------------------------------------------
         Name: 13M1510D            From Node: 13M1520P           Length(ft): 50.00
        Group: 13M                   To Node: 13M1500N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 55.450         55.400                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13M1510D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600
```

```
              Span(in): 12.00                      Invert(ft): 59.950
              Rise(in): 6.00                  Control Elev(ft): 59.950

*** Weir 2 of 2 for Drop Structure 13M1510D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                      Invert(ft): 60.950
              Rise(in): 24.00                 Control Elev(ft): 60.950


-------------------------------------------------------------------------------------------------
         Name: 13M1900D            From Node: 13M1925P           Length(ft): 80.00
        Group: 13M                   To Node: CONCORD                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 59.950         59.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13M1900D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                      Invert(ft): 60.950
              Rise(in): 12.00                 Control Elev(ft): 60.950

*** Weir 2 of 2 for Drop Structure 13M1900D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                      Invert(ft): 63.950
              Rise(in): 24.00                 Control Elev(ft): 63.950


-------------------------------------------------------------------------------------------------
         Name: 13M2330D            From Node: 13M2330P           Length(ft): 237.00
        Group: 13M                   To Node: 13M2333N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 63.440         62.920                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
Outfall structure S-33 to S-36
Assumed Type C Inlet

*** Weir 1 of 2 for Drop Structure 13M2330D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
```

```
                 Flow: Both                    Weir Disc Coef: 3.200
           Geometry: Rectangular           Orifice Disc Coef: 0.600

           Span(in): 37.00                       Invert(ft): 66.410
           Rise(in): 24.00                  Control Elev(ft): 66.410

*** Weir 2 of 2 for Drop Structure 13M2330D ***
                                                                          TABLE
              Count: 1                      Bottom Clip(in): 0.000
               Type: Vertical: Mavis           Top Clip(in): 0.000
               Flow: Both                    Weir Disc Coef: 3.200
           Geometry: Circular              Orifice Disc Coef: 0.600

           Span(in): 4.00                        Invert(ft): 65.250
           Rise(in): 4.00                   Control Elev(ft): 65.250


-----------------------------------------------------------------------------------------------
         Name: 13M2360D            From Node: QUAIL              Length(ft): 326.00
        Group: 13M                   To Node: CONCORD                 Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 8.00           8.00                                  Flow: Both
     Rise(in): 8.00           8.00                       Entrance Loss Coef: 0.500
   Invert(ft): 61.590         56.110                         Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

added
8" PVCfield verified by BRW/CLR on 12/7/15 - see field notes
dimensions of TOG and weir from field
length and inverts from infrastrucuture
City of Casselberry Infrastructure (Assume NGVD 29)
 assumed d/s is MES

*** Weir 1 of 2 for Drop Structure 13M2360D ***
                                                                          TABLE
              Count: 1                      Bottom Clip(in): 0.000
               Type: Horizontal                Top Clip(in): 0.000
               Flow: Both                    Weir Disc Coef: 3.200
           Geometry: Rectangular           Orifice Disc Coef: 0.600

           Span(in): 37.00                       Invert(ft): 65.610
           Rise(in): 24.00                  Control Elev(ft): 65.610

*** Weir 2 of 2 for Drop Structure 13M2360D ***
                                                                          TABLE
              Count: 1                      Bottom Clip(in): 0.000
               Type: Vertical: Mavis           Top Clip(in): 0.000
               Flow: Both                    Weir Disc Coef: 3.200
           Geometry: Circular              Orifice Disc Coef: 0.600

           Span(in): 8.00                        Invert(ft): 61.940
           Rise(in): 8.00                   Control Elev(ft): 61.940


-----------------------------------------------------------------------------------------------
         Name: 13N0100D            From Node: 13N0100P           Length(ft): 73.00
        Group: 13N                   To Node: 13N0150N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                 Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 50.450         50.960                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure D110 to D110A
GCS_1048_SD (Assumed NAVD 88)
```

Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated

*** Weir 1 of 2 for Drop Structure 13N0100D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 52.040
              Rise(in): 3.00                  Control Elev(ft): 52.040
```

*** Weir 2 of 2 for Drop Structure 13N0100D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 40.00                       Invert(ft): 53.270
              Rise(in): 26.00                 Control Elev(ft): 53.270
```

```
         Name: 13N0200D            From Node: 13N0200P           Length(ft): 49.00
        Group: 13N                   To Node: 13N0250N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 50.960         50.990                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

D114 to D115
GCS_1048_SD (Assaumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated

*** Weir 1 of 2 for Drop Structure 13N0200D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 54.880
              Rise(in): 28.00                 Control Elev(ft): 54.880
```

*** Weir 2 of 2 for Drop Structure 13N0200D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 54.010
              Rise(in): 3.00                  Control Elev(ft): 54.010
```

```
         Name: 13N0301D            From Node: 13N0301P           Length(ft): 750.00
        Group: 13N                   To Node: 13N0200P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 53.100         51.790                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10
```

```
Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D100
Assumed Type D Inlet

*** Weir 1 of 1 for Drop Structure 13N0301D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 49.00                       Invert(ft): 57.990
               Rise(in): 37.00                  Control Elev(ft): 57.990


-----------------------------------------------------------------------------------------------
         Name: 13N0750D            From Node: 13N0750P           Length(ft): 500.00
        Group: 13N                   To Node: 13N0700P                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 52.430         53.630                         Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
From field recon by BRW/CLR on 12/7/15 - see field notes
length of pipe estimated from aerials
d/s outfall location/invert/type assumed
TOG about ground level - u/s pipe invert measured from TOG in field

*** Weir 1 of 1 for Drop Structure 13N0750D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 79.00                       Invert(ft): 55.180
               Rise(in): 36.00                  Control Elev(ft): 55.180


-----------------------------------------------------------------------------------------------
         Name: 13P2300D            From Node: 13P2300P           Length(ft): 1010.00
        Group: 13P                   To Node: 13P2350N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 84.600         83.600                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
DS-2 to S-100: See sheets 100, 99,103, 58
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

*** Weir 1 of 2 for Drop Structure 13P2300D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
```

```
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 54.00                       Invert(ft): 88.470
            Rise(in): 36.00                  Control Elev(ft): 88.470

*** Weir 2 of 2 for Drop Structure 13P2300D ***
                                                                      TABLE
                Count: 1                      Bottom Clip(in): 0.000
                 Type: Vertical: Mavis           Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 24.00                       Invert(ft): 87.800
            Rise(in): 6.00                   Control Elev(ft): 87.800


-------------------------------------------------------------------------------------------
         Name: 13P3400D            From Node: 13P3400P          Length(ft): 502.00
        Group: 13P                   To Node: 13P3450N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 88.250         85.950                        Exit Loss Coef: 0.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Lowe's Primary Outfall (S-38)

*** Weir 1 of 2 for Drop Structure 13P3400D ***
                                                                      TABLE
                Count: 1                      Bottom Clip(in): 0.000
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 49.00                       Invert(ft): 91.300
            Rise(in): 37.00                  Control Elev(ft): 91.300

*** Weir 2 of 2 for Drop Structure 13P3400D ***
                                                                      TABLE
                Count: 1                      Bottom Clip(in): 0.000
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
            Geometry: Circular              Orifice Disc Coef: 0.600

            Span(in): 4.50                        Invert(ft): 88.250
            Rise(in): 4.50                   Control Elev(ft): 88.750


-------------------------------------------------------------------------------------------
         Name: 13Q0810D            From Node: 13Q0820P          Length(ft): 84.00
        Group: 13Q                   To Node: 13Q0821N               Count: 2

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 84.160         83.900                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Structures S-125/S-125A
GCS_1046_SD
GCS_1049_CD (outfall dimensions - Sheet 75)
US/DS Inverts from Casselberry City Infrstructure (Assumed NAVD 88)
Type D Modified Inlet
```

```
*** Weir 1 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                 Count: 2                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13Q-W081              Control Elev(ft): 86.480
             Invert(ft): 86.480           Struct Opening Dim(ft): 999.00

*** Weir 2 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                        Invert(ft): 87.680
              Rise(in): 37.00                  Control Elev(ft): 87.680


-----------------------------------------------------------------------------------------------
         Name: 13Q0820D            From Node: 13Q0820P           Length(ft): 76.00
        Group: 13Q                   To Node: 13Q0821N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 19.00          19.00                     Entrance Loss Coef: 0.500
   Invert(ft): 84.670         84.410                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure S-123
GCS_1046_SD
GCS_1049_CP (for outfall dimensions)
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)
Type E Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                        Invert(ft): 87.700
              Rise(in): 36.00                  Control Elev(ft): 87.700

*** Weir 2 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 8.00                         Invert(ft): 85.300
              Rise(in): 8.00                   Control Elev(ft): 85.800


-----------------------------------------------------------------------------------------------
         Name: 13Q0850D            From Node: 13Q0860P           Length(ft): 46.00
        Group: 13Q                   To Node: 13Q0861N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 86.230         86.140                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Revision
Changed To Node from 13Q0840P to 13Q0861N
Updated to match Casselberry City Infrstructure

*** Weir 1 of 1 for Drop Structure 13Q0850D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.000
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 54.00                      Invert(ft): 87.780
Rise(in): 40.00                 Control Elev(ft): 87.780
```

```
         Name: 13Q0870D            From Node: 13Q0870P          Length(ft): 80.00
        Group: 13Q                   To Node: 13Q0875N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                  Flow: Both
     Rise(in): 18.00          18.00                   Entrance Loss Coef: 0.500
   Invert(ft): 82.450         85.000                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Field Recon by BRW/CLR on 12/7/15 - see field notes
estimated length from aerials
estimated weir inverts measuring to TOG (elevation at ground level)
assumed an u/s invert based on weir slot elevation
estimated d/s invert from other inverts at MH

*** Weir 1 of 2 for Drop Structure 13Q0870D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.200
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 48.00                      Invert(ft): 87.840
Rise(in): 36.00                 Control Elev(ft): 87.840
```

*** Weir 2 of 2 for Drop Structure 13Q0870D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Vertical: Mavis         Top Clip(in): 0.000
    Flow: Both                   Weir Disc Coef: 3.200
Geometry: Rectangular          Orifice Disc Coef: 0.600

Span(in): 20.00                      Invert(ft): 86.170
Rise(in): 20.00                 Control Elev(ft): 86.170
```

```
         Name: 13Q2291D            From Node: 13Q2291N          Length(ft): 450.00
        Group: 13Q                   To Node: 13Q2292N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                   Entrance Loss Coef: 0.500
   Invert(ft): 78.370         76.970                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision

GCS_1041_CP (NGVD 29)
PDF PG 23
Control Structure Basin 1

```
*** Weir 1 of 2 for Drop Structure 13Q2291D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13Q2291X               Control Elev(ft): 81.250
             Invert(ft): 81.250           Struct Opening Dim(ft): 9999.00

*** Weir 2 of 2 for Drop Structure 13Q2291D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 77.450
              Rise(in): 3.00                   Control Elev(ft): 77.950


-----------------------------------------------------------------------------------------------------
         Name: POND10D             From Node: POND10             Length(ft): 175.00
        Group: 13L                   To Node: 13L1975P                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.000
   Invert(ft): 51.500         51.000                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 2 for Drop Structure POND10D ***
                                                                                    TABLE
                 Count: 2                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 55.000
              Rise(in): 37.00                  Control Elev(ft): 55.000

*** Weir 2 of 2 for Drop Structure POND10D ***
                                                                                    TABLE
                 Count: 4                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 54.500
              Rise(in): 6.00                   Control Elev(ft): 54.500


-----------------------------------------------------------------------------------------------------
         Name: POND11D             From Node: 13L1202N           Length(ft): 60.00
        Group: 13L                   To Node: 13L1203N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.000
   Invert(ft): 57.000         56.900                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

```
*** Weir 1 of 1 for Drop Structure POND11D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 59.000
              Rise(in): 37.00                  Control Elev(ft): 59.000


-----------------------------------------------------------------------------------------------
         Name: POND2D              From Node: POND2              Length(ft): 160.00
        Group: 13L                   To Node: TRIPLT-M                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                  Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.000
   Invert(ft): 47.000         46.000                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


*** Weir 1 of 2 for Drop Structure POND2D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 52.000
              Rise(in): 37.00                  Control Elev(ft): 52.000

*** Weir 2 of 2 for Drop Structure POND2D ***
                                                                                    TABLE
                 Count: 2                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 51.500
              Rise(in): 6.00                   Control Elev(ft): 51.500


-----------------------------------------------------------------------------------------------
         Name: POND5D              From Node: POND5              Length(ft): 800.00
        Group: 13N                   To Node: 13N0601N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                  Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.000
   Invert(ft): 57.000         55.000                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 2 for Drop Structure POND5D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 61.500
```

```
              Rise(in): 37.00                 Control Elev(ft): 61.500

*** Weir 2 of 2 for Drop Structure POND5D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 61.000
              Rise(in): 6.00                  Control Elev(ft): 61.000


==========================================================================================
==== Weirs ===============================================================================
==========================================================================================

         Name: 12-0102X            From Node: 12-01-02
        Group: 12                    To Node: 13C0600N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Parabolic

              Top Width(ft): 300.00
           Corres Depth(ft): 0.90
                 Invert(ft): 18.850
      Control Elevation(ft): 18.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
     Orifice Discharge Coef: 0.600

MAINTENANCE/ACCESS ROAD

-------------------------------------------------------------------------------------------------
         Name: 13A0400B            From Node: 13A0500N
        Group: 13A                   To Node: 13A0300N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-B04X
                 Invert(ft): 4.650
      Control Elevation(ft): 4.650
     Struct Opening Dim(ft): 14.58
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: 13A0730W            From Node: 13A0735P
        Group: 13A                   To Node: 13A0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 240.00
                    Rise(in): 999.00
                 Invert(ft): 24.250
      Control Elevation(ft): 24.250
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: 13A0810W            From Node: 13A0820P
        Group: 13A                   To Node: 13A0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                 Invert(ft): 21.950
      Control Elevation(ft): 21.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
```

```
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13A2000B           From Node: 13A2100N
        Group: 13A                  To Node: 13A1900N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13A-B20X
                   Invert(ft): 19.850
       Control Elevation(ft): 19.850
      Struct Opening Dim(ft): 5.58
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13A2325B           From Node: 13A2350N
        Group: 13A                  To Node: 13A2300N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13A-B23X
                   Invert(ft): 20.550
       Control Elevation(ft): 20.550
      Struct Opening Dim(ft): 10.30
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13A2500B           From Node: 13A2600N
        Group: 13A                  To Node: 13A2400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13A-B25X
                   Invert(ft): 22.750
       Control Elevation(ft): 22.750
      Struct Opening Dim(ft): 8.24
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13A3310W           From Node: 13A3320P
        Group: 13A                  To Node: 13A3300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 960.00
                    Rise(in): 999.00
                   Invert(ft): 41.950
       Control Elevation(ft): 41.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13A3410W           From Node: 13A3420P
        Group: 13A                  To Node: 13A3400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 720.00
                    Rise(in): 999.00
                   Invert(ft): 48.750
```

```
       Control Elevation(ft): 48.750
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3430W            From Node: 13A3440P
        Group: 13A                   To Node: 13A3420P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13A-W343
                   Invert(ft): 50.450
       Control Elevation(ft): 50.450
      Struct Opening Dim(ft): 999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3905W            From Node: 13A3910P
        Group: 13A                   To Node: 13A3900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13A-W390
                   Invert(ft): 39.150
       Control Elevation(ft): 39.150
      Struct Opening Dim(ft): 999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3915W            From Node: 13A3920P
        Group: 13A                   To Node: 13A3900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                      Span(in): 4800.00
                      Rise(in): 999.00
                   Invert(ft): 40.950
       Control Elevation(ft): 40.950
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4110W            From Node: 13A4120P
        Group: 13A                   To Node: 13A4100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                      Span(in): 600.00
                      Rise(in): 999.00
                   Invert(ft): 40.950
       Control Elevation(ft): 40.950
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4500W            From Node: 13A4600N
        Group: 13A                   To Node: 13A4400N
         Flow: Both                    Count: 1
```

```
        Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A4500X
                  Invert(ft): 40.550
       Control Elevation(ft): 40.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: 13A4900B            From Node: 13A5000N
       Group: 13A                   To Node: 13A4800N
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-B49X
                  Invert(ft): 41.850
       Control Elevation(ft): 41.850
      Struct Opening Dim(ft): 6.71
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: 13A5310W            From Node: 13A5320P
       Group: 13A                   To Node: 13A5300N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                  Invert(ft): 51.650
       Control Elevation(ft): 51.650
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: 13A5700B            From Node: 13A5800N
       Group: 13A                   To Node: 13A5600N
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-B57X
                  Invert(ft): 47.230
       Control Elevation(ft): 47.230
      Struct Opening Dim(ft): 3.98
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: 13A5900W            From Node: 13A6000P
       Group: 13A                   To Node: 13A5800N
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-W590
                  Invert(ft): 48.640
       Control Elevation(ft): 48.640
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A5910W            From Node: 13A6000P
        Group: 13A                   To Node: 13A5500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 180.00
                   Rise(in): 999.00
                 Invert(ft): 52.450
       Control Elevation(ft): 52.450
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
         Name: 13B0200W            From Node: 13B0200N
        Group: 13B                   To Node: 13A0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13B0200X
                 Invert(ft): 13.950
       Control Elevation(ft): 13.950
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
         Name: 13C1350W_1          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
         Name: 13C1350W_2          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


--------------------------------------------------------------------------------------------------
         Name: 13C1350W_3          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                             TABLE
             Bottom Clip(in): 0.000
```

```
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_4          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2300W            From Node: 13C2400P
        Group: 13C                   To Node: 13C2200P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 15.50
                    Rise(in): 15.50
                  Invert(ft): 30.980
       Control Elevation(ft): 30.980
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2301W            From Node: 13C2400P
        Group: 13C                   To Node: 13C2200P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13C-W230
                  Invert(ft): 35.480
       Control Elevation(ft): 35.480
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13D0150W            From Node: 13D0150N
        Group: 13D                   To Node: 13A2750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 4800.00
                    Rise(in): 999.00
                  Invert(ft): 33.550
       Control Elevation(ft): 33.550
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13D0160W            From Node: 13D0170P
        Group: 13D                   To Node: 13D0150N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 69.60
```

```
                  Rise(in): 999.00
                Invert(ft): 30.960
      Control Elevation(ft): 30.960
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F0405W_1          From Node: 13F0410P
       Group: 13F                   To Node: 13F0400P
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13F-W041
                Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F0405W_2          From Node: 13F0410P
       Group: 13F                   To Node: 13F0400P
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13F-W041
                Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F0435W            From Node: 13F0440P
       Group: 13F                   To Node: 13F0400P
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13F-W044
                Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F0445W            From Node: 13F0450P
       Group: 13F                   To Node: 13F0400P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 720.00
                  Rise(in): 999.00
                Invert(ft): 50.950
      Control Elevation(ft): 50.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13F1200W            From Node: 13F1300P
```

```
        Group: 13F                  To Node: 13F1000P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 2856.00
                    Rise(in): 999.00
                  Invert(ft): 55.150
       Control Elevation(ft): 55.150
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F1374W            From Node: 13F1374P
        Group: 13F                  To Node: 13F1378P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 64.950
       Control Elevation(ft): 64.950
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13G0550W            From Node: 13G0500N
        Group: 13G                  To Node: 13G1200P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13G0550X
                  Invert(ft): 48.150
       Control Elevation(ft): 48.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13G1000W            From Node: 13G1200P
        Group: 13G                  To Node: 13A5200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13G1000X
                  Invert(ft): 45.850
       Control Elevation(ft): 45.850
      Struct Opening Dim(ft): 999.00
                                          TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13G2200W            From Node: 13G1200P
        Group: 13G                  To Node: 13G2100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13G2200X
                  Invert(ft): 46.850
       Control Elevation(ft): 46.850
      Struct Opening Dim(ft): 999.00
                                          TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13H0100W            From Node: HODGE
       Group: 13H                   To Node: 13A5500N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13H0100X
                 Invert(ft): 53.050
      Control Elevation(ft): 53.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13H0200W            From Node: IRENE-S
       Group: 13H                   To Node: HODGE
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13H0200X
                 Invert(ft): 64.850
      Control Elevation(ft): 64.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13I0630W            From Node: LWILDMER
       Group: 13I                   To Node: WILDMERE
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

             Top Width(ft): 120.00
          Corres Depth(ft): 0.90
                 Invert(ft): 63.050
      Control Elevation(ft): 63.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13I1210W            From Node: JANE
       Group: 13I                   To Node: WILDMERE
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 660.00
                   Rise(in): 999.00
                 Invert(ft): 66.050
      Control Elevation(ft): 66.050
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13I1250W            From Node: EVERGRN
       Group: 13I                   To Node: WILDMERE
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13I1250X
                 Invert(ft): 57.050
      Control Elevation(ft): 57.050
```

```
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13I1512W            From Node: 13I1512N
        Group: 13I                   To Node: 13I1510N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 66.050
       Control Elevation(ft): 66.050
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13I1514W            From Node: 13I1514P
        Group: 13I                   To Node: 13I1506N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 65.950
       Control Elevation(ft): 65.950
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13J0315W            From Node: 13J0320N
        Group: 13J                   To Node: 13J0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Horz Ellipse

                    Span(in): 72.00
                    Rise(in): 47.00
                  Invert(ft): 59.150
       Control Elevation(ft): 59.150
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13J0316W            From Node: 13J0320N
        Group: 13J                   To Node: 13J0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 13.00
        Left Side Slope(h/v): 7.50
       Right Side Slope(h/v): 7.50
                  Invert(ft): 64.550
       Control Elevation(ft): 64.550
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13J0700W            From Node: 13J0700N
```

```
        Group: 13J                  To Node: 13J0640N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 76.050
       Control Elevation(ft): 76.050
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J1805W            From Node: 13J1800N
        Group: 13J                   To Node: JANE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
           Corres Depth(ft): 1.80
                  Invert(ft): 77.150
       Control Elevation(ft): 77.150
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J1810W            From Node: 13J1820P
        Group: 13J                   To Node: 13J1800N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 3240.00
                    Rise(in): 999.00
                  Invert(ft): 82.050
       Control Elevation(ft): 82.050
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2221W            From Node: 13J2221P
        Group: 13J                   To Node: 13J2220P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 2640.00
                    Rise(in): 999.00
                  Invert(ft): 87.450
       Control Elevation(ft): 87.450
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2222W            From Node: 13J2222P
        Group: 13J                   To Node: 13J2221P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 65.00
        Left Side Slope(h/v): 173.33
       Right Side Slope(h/v): 16.00
                  Invert(ft): 89.200
       Control Elevation(ft): 89.200
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2232W            From Node: 13J2232N
        Group: 13J                   To Node: 13J2200P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 144.00
                    Rise(in): 6.00
                  Invert(ft): 81.450
       Control Elevation(ft): 81.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2233W            From Node: 13J2233P
        Group: 13J                   To Node: 13J2232N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 81.850
       Control Elevation(ft): 81.850
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2234W            From Node: 13J2234P
        Group: 13J                   To Node: 13J2233P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 72.00
                    Rise(in): 999.00
                  Invert(ft): 82.450
       Control Elevation(ft): 82.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K0830W            From Node: 13K0900P
        Group: 13K                   To Node: 13K0820N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 6.50
                    Rise(in): 12.60
                  Invert(ft): 61.580
       Control Elevation(ft): 61.580
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K0831W            From Node: 13K0900P
        Group: 13K                   To Node: 13K0820N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 36.00
```

```
                  Rise(in): 54.00
                Invert(ft): 62.630
      Control Elevation(ft): 62.630
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K0870W           From Node: 13K0900P
       Group: 13K                  To Node: 13K0860N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                  Span(in): 6.50
                  Rise(in): 12.60
                Invert(ft): 61.070
      Control Elevation(ft): 61.070
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K0871W           From Node: 13K0900P
       Group: 13K                  To Node: 13K0860N
        Flow: Both                   Count: 1
        Type: Horizontal           Geometry: Rectangular

                  Span(in): 36.00
                  Rise(in): 54.00
                Invert(ft): 62.120
      Control Elevation(ft): 62.120
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K1175W           From Node: 13K1300N
       Group: 13K                  To Node: 13K1150P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 300.00
                  Rise(in): 999.00
                Invert(ft): 62.450
      Control Elevation(ft): 62.450
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K1700W           From Node: 13K1750N
       Group: 13K                  To Node: 13K1600N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                     XSec: 13K-W170
                Invert(ft): 72.000
      Control Elevation(ft): 72.000
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13K1710W           From Node: 13K1750N
```

```
        Group: 13K                  To Node: 13K1500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 75.510
       Control Elevation(ft): 75.510
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K2220W            From Node: 13K2240P
        Group: 13K                   To Node: TROUT
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 240.00
                    Rise(in): 999.00
                  Invert(ft): 79.950
       Control Elevation(ft): 79.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3000W            From Node: 13K3050P
        Group: 13K                   To Node: GRIFFIN
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13K_SJ30
                  Invert(ft): 77.900
       Control Elevation(ft): 77.900
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3100W            From Node: 13K3200P
        Group: 13K                   To Node: 13K3050P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 84.00
                    Rise(in): 28.80
                  Invert(ft): 79.550
       Control Elevation(ft): 79.550
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3101W            From Node: 13K3200P
        Group: 13K                   To Node: 13K3050P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 2400.00
                    Rise(in): 999.00
                  Invert(ft): 81.950
       Control Elevation(ft): 81.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13K4000W           From Node: 13K4050P
       Group: 13K                  To Node: GRIFFIN
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                       XSec: 13K_SJ40
                 Invert(ft): 78.150
      Control Elevation(ft): 78.150
     Struct Opening Dim(ft): 999.00
                                           TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K4025W           From Node: 13K4050P
       Group: 13K                  To Node: 13K3050P
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                       XSec: 13K_SJ35
                 Invert(ft): 77.950
      Control Elevation(ft): 77.950
     Struct Opening Dim(ft): 999.00
                                           TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K4325W           From Node: 13K4400P
       Group: 13K                  To Node: 13K4200P
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Trapezoidal

          Bottom Width(ft): 0.00
       Left Side Slope(h/v): 62.50
      Right Side Slope(h/v): 100.00
                 Invert(ft): 82.150
      Control Elevation(ft): 82.150
     Struct Opening Dim(ft): 999.00
                                           TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13L0031W           From Node: 13L0020N
       Group: 13L                  To Node: 13L0040P
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                     Span(in): 480.00
                     Rise(in): 999.00
                 Invert(ft): 53.950
      Control Elevation(ft): 53.950
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13L0810W           From Node: 13L0820P
       Group: 13L                  To Node: TRIPLT-N
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                       XSec: 13L-W082
                 Invert(ft): 50.750
```

```
       Control Elevation(ft): 50.750
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revision of xsec to match terrain
Revised type from Vertical: Mavis Equation


-----------------------------------------------------------------------------------------------
         Name: 13L0900B            From Node: TRIPLT-M
        Group: 13L                   To Node: TRIPLT-N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B09X
                  Invert(ft): 48.350
       Control Elevation(ft): 48.350
      Struct Opening Dim(ft): 8.72
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1200W            From Node: TRIPLT-S
        Group: 13L                   To Node: TRIPLT-M
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 52.200
       Control Elevation(ft): 52.200
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revision
Added - overtopping weir for paved golf cart path

-----------------------------------------------------------------------------------------------
         Name: 13L1202W            From Node: 13L1202N
        Group: GEE                   To Node: 13L1203N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1202XW
                  Invert(ft): 59.960
       Control Elevation(ft): 59.960
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

DEM


-----------------------------------------------------------------------------------------------
         Name: 13L1500B            From Node: 13L1600N
        Group: 13L                   To Node: 13L1400N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B15X
                  Invert(ft): 49.250
       Control Elevation(ft): 49.250
      Struct Opening Dim(ft): 6.23
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
         Name: 13L1850B            From Node: 13L1875P
        Group: 13L                   To Node: 13L1825N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13L-B18X
                  Invert(ft): 50.750
       Control Elevation(ft): 50.750
      Struct Opening Dim(ft): 4.50
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: 13L1890W_1          From Node: POND7
        Group: 13L                   To Node: QUEENS
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13L1890XW1
                  Invert(ft): 56.560
       Control Elevation(ft): 56.560
      Struct Opening Dim(ft): 9999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

--------------------------------------------------------------------------------------------------
         Name: 13L1890W_2          From Node: POND7
        Group: 13L                   To Node: 13L1825N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 56.000
       Control Elevation(ft): 56.000
      Struct Opening Dim(ft): 9999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

--------------------------------------------------------------------------------------------------
         Name: 13L1925W            From Node: 13L1950P
        Group: 13L                   To Node: 13L1895P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13L-W192
                  Invert(ft): 54.970
       Control Elevation(ft): 54.970
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert

--------------------------------------------------------------------------------------------------
         Name: 13L1945W            From Node: 13L1950P
        Group: 13L                   To Node: 13L1875P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13L1945X
                  Invert(ft): 58.590
       Control Elevation(ft): 58.590
      Struct Opening Dim(ft): 9999.00
```

```
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
xsec points estimated from terrain


-----------------------------------------------------------------------------------------------
         Name: 13L1951W           From Node: 13L1951P
        Group: GEE                  To Node: 13L1950P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1951X
                  Invert(ft): 56.250
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13L1960B           From Node: 13L1975P
        Group: 13L                  To Node: 13L1950P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B19X
                  Invert(ft): 52.950
       Control Elevation(ft): 52.950
      Struct Opening Dim(ft): 2.65
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13L1965W           From Node: 13L1975P
        Group: 13L                  To Node: 13L1950P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W196
                  Invert(ft): 55.450
       Control Elevation(ft): 55.450
      Struct Opening Dim(ft): 999.00
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.620


-----------------------------------------------------------------------------------------------
         Name: 13L2000B           From Node: 13L2050P
        Group: 13L                  To Node: 13L1975P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B20X
                  Invert(ft): 53.310
       Control Elevation(ft): 53.310
      Struct Opening Dim(ft): 2.81
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13L2300W           From Node: 13L2300P
```

```
        Group: 13L                  To Node: 13L2150N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L2300X
                  Invert(ft): 67.260
       Control Elevation(ft): 67.260
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13L2400W           From Node: 13L2400N
        Group: 13L                  To Node: 13L2300P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L2400XW
                  Invert(ft): 71.830
       Control Elevation(ft): 71.830
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Weir from DEM overtopping road

```
---------------------------------------------------------------------------------------------------
         Name: 13L2451W           From Node: OXFORD
        Group: 13L                  To Node: 13L2400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

                Top Width(ft): 100.00
            Corres Depth(ft): 0.50
                  Invert(ft): 73.450
       Control Elevation(ft): 73.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13L2510W           From Node: 13L2520P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 48.00
                     Rise(in): 999.00
                  Invert(ft): 76.950
       Control Elevation(ft): 76.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Revised Type from Vertical: Mavis Equation based on aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13L2511W           From Node: 13L2520P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                  Invert(ft): 78.950
       Control Elevation(ft): 78.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
```

```
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2520W           From Node: 13L2520P
        Group: 13L                  To Node: 13L2400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 75.250
      Control Elevation(ft): 75.250
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2531W           From Node: 13L2540P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                 Invert(ft): 78.950
      Control Elevation(ft): 78.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2560W1          From Node: 13L2560P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 82.100
      Control Elevation(ft): 82.100
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2560W2          From Node: 13L2560P
        Group: 13L                  To Node: 13L2540P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 260.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 85.500
      Control Elevation(ft): 85.500
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2560W3          From Node: 13L2560P
        Group: 13L                  To Node: 13L2520P
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 87.200
       Control Elevation(ft): 87.200
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2711W            From Node: 13L2720P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 75.950
       Control Elevation(ft): 75.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2750W_1          From Node: 13L2750P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 4.00
                    Rise(in): 4.00
                  Invert(ft): 73.450
       Control Elevation(ft): 73.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19

-----------------------------------------------------------------------------------------------
         Name: 13L2750W_2          From Node: 13L2750P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 30.00
        Left Side Slope(h/v): 8.00
       Right Side Slope(h/v): 8.00
                  Invert(ft): 77.870
       Control Elevation(ft): 77.870
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Concrete overflow weir
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19
side slopes are estimated

-----------------------------------------------------------------------------------------------
         Name: 13L3111W            From Node: 13L3140P
        Group: 13L                   To Node: 13L3100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W311
```

```
                 Invert(ft): 84.060
       Control Elevation(ft): 84.060
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

updated xsec and invert


-----------------------------------------------------------------------------------------------
         Name: 13L3201W           From Node: 13P1800P
        Group: 13L                  To Node: 13L3100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 82.850
       Control Elevation(ft): 82.850
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M0985W           From Node: 13M0990P
        Group: 13M                  To Node: 13M1100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 100.00
                 Invert(ft): 57.950
       Control Elevation(ft): 57.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1100W           From Node: 13M1100N
        Group: 13M                  To Node: SECRET
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
        Left Side Slope(h/v): 12.00
       Right Side Slope(h/v): 24.00
                 Invert(ft): 57.000
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1400W           From Node: 13M1400N
        Group: 13M                  To Node: 13M1200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M1400XW
                 Invert(ft): 56.150
       Control Elevation(ft): 56.150
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Weir from DEM overtopping sidewalk

```
-----------------------------------------------------------------------------------------------
         Name: 13M1515W           From Node: 13M1520P
        Group: 13M                  To Node: 13M1500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 61.750
       Control Elevation(ft): 61.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1910W           From Node: 13M1925P
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 100.00
                   Rise(in): 999.00
                 Invert(ft): 66.950
       Control Elevation(ft): 66.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2325W           From Node: 13M2330P
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 69.450
       Control Elevation(ft): 69.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2331W           From Node: 13M2332P
        Group: 13M                  To Node: 13M2331N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331X
                 Invert(ft): 73.220
       Control Elevation(ft): 73.220
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Revised To Node based on aerial
xsec points from terrain

```
-----------------------------------------------------------------------------------------------
         Name: 13M2331W2          From Node: 13M2331N
        Group: 13M                  To Node: 13M2330P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331XW2
                 Invert(ft): 67.820
```

```
       Control Elevation(ft): 67.820
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
         Name: 13M2334W           From Node: 13M2334N
        Group: 13M                  To Node: 13M2330P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 67.860
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2335W           From Node: 13M2335N
        Group: 13M                  To Node: 13M2334N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 70.150
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2360W           From Node: QUAIL
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 65.780
       Control Elevation(ft): 65.780
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0100W           From Node: 13N0100P
        Group: 13N                  To Node: 13N0200P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 600.00
                  Invert(ft): 53.370
       Control Elevation(ft): 53.370
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Overtopping berm weir
invert from LiDar

```
---------------------------------------------------------------------------------------------------
         Name: 13N0200W           From Node: 13N0200P
        Group: 13N                  To Node: LOST
         Flow: Both                   Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13N0200X
                  Invert(ft): 55.850
       Control Elevation(ft): 55.850
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

wetland overflow weir
xsec and inverts from terrain

```
---------------------------------------------------------------------------------------------------
         Name: 13N0301W           From Node: 13N0301P
        Group: 13N                  To Node: 13N0050P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 240.00
                    Rise(in): 999.00
                  Invert(ft): 58.790
       Control Elevation(ft): 58.790
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Added
invert estimated from terrian

```
---------------------------------------------------------------------------------------------------
         Name: 13N0350W           From Node: 13N0350N
        Group: 13N                  To Node: 13N0300N
         Flow: Both                   Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13N0350X
                  Invert(ft): 56.390
       Control Elevation(ft): 56.390
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Overtopping Road
xsec and inverts from lidar

```
---------------------------------------------------------------------------------------------------
         Name: 13N0500W           From Node: 13N0600N
        Group: 13N                  To Node: 13N0400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13N0500X
                  Invert(ft): 58.640
       Control Elevation(ft): 58.640
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Overtopping road
INVERT FROM LIDAR

```
---------------------------------------------------------------------------------------------------
         Name: 13N0700W           From Node: 13N0700P
        Group: 13N                  To Node: 13N0350N
         Flow: Both                   Count: 1
```

```
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13N0700X
                  Invert(ft): 53.880
       Control Elevation(ft): 53.880
      Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

GCS_1048_SD (Assaumed NAVD 88)
Invert fron LiDAR

-----------------------------------------------------------------------------------------------
         Name: 13N0750W            From Node: 13N0750P
        Group: 13N                   To Node: 13N0900P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 720.00
                    Rise(in): 999.00
                  Invert(ft): 56.880
       Control Elevation(ft): 56.880
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert and span estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13N0800W            From Node: 13N0800P
        Group: 13N                   To Node: 13N0700P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 600.00
                  Invert(ft): 55.200
       Control Elevation(ft): 55.200
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm
Tract J to L
GCS_1048_SD (Assaumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_1          From Node: 13N0805N
        Group: 13N                   To Node: 13N0810N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 24.00
                    Rise(in): 16.32
                  Invert(ft): 56.590
       Control Elevation(ft): 56.590
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 -  Slot Weir

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_2          From Node: 13N0805N
        Group: 13N                   To Node: 13N0810N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Circular

                    Span(in): 4.00
                    Rise(in): 4.00
                  Invert(ft): 52.990
```

```
       Control Elevation(ft): 52.990
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 - orifice

-----------------------------------------------------------------------------------------------
         Name: 13P0400W            From Node: 13P0400N
        Group: 13P                   To Node: 13P0450N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 150.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 58.500
       Control Elevation(ft): 58.500
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P0500W            From Node: 13P0500P
        Group: 13P                   To Node: 13P0400N
         Flow: None                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13P0400X
                  Invert(ft): 58.570
       Control Elevation(ft): 58.570
      Struct Opening Dim(ft): 999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert
Revised from Mavis Equation


-----------------------------------------------------------------------------------------------
         Name: 13P0501W            From Node: 13P0501N
        Group: GEE                   To Node: 13P0500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 71.100
       Control Elevation(ft): 71.100
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1152W            From Node: 13P1200N
        Group: 13P                   To Node: 13P1000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 180.00
                     Rise(in): 999.00
                  Invert(ft): 74.950
       Control Elevation(ft): 74.950
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
```

```
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13P1200W           From Node: 13P1200N
        Group: GEE                  To Node: 13P1250N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
      Left Side Slope(h/v): 0.00
     Right Side Slope(h/v): 0.00
                 Invert(ft): 74.600
     Control Elevation(ft): 74.600
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
      Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13P1750W           From Node: 13P1800P
        Group: 13P                  To Node: 13P1700N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13P-W175
                 Invert(ft): 76.490
     Control Elevation(ft): 76.490
    Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
      Weir Discharge Coef: 3.000
    Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------------
         Name: 13P1810W           From Node: 13P1810P
        Group: 13P                  To Node: 13P1813N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                 Invert(ft): 86.650
     Control Elevation(ft): 86.650
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600

Added
overtopping pond berm weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------------
         Name: 13P1811W_1         From Node: 13P1811N
        Group: 13P                  To Node: 13P1812N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                     Span(in): 67.88
                     Rise(in): 17.20
                 Invert(ft): 84.200
     Control Elevation(ft): 84.200
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
      Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

-----------------------------------------------------------------------------------------------------
         Name: 13P1811W_2         From Node: 13P1811N
```

```
        Group: 13P                   To Node: 13P1812N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                   Span(in): 4.25
                   Rise(in): 4.25
                 Invert(ft): 82.500
       Control Elevation(ft): 82.500
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

-----------------------------------------------------------------------------------------------
         Name: 13P1813W            From Node: 13P1813N
        Group: 13P                   To Node: 13P1800P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 83.360
       Control Elevation(ft): 83.360
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
overtopping channel berm weir
invert estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13P1814W            From Node: 13P1814N
        Group: 13P                   To Node: 13P1800P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 78.590
       Control Elevation(ft): 78.590
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
Wetland area to pond
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2020W            From Node: 13P2050N
        Group: 13P                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13P2020X
                 Invert(ft): 89.260
       Control Elevation(ft): 89.260
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

added
overflow weir
xsec points from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2100W            From Node: 13P2200N
        Group: 13P                   To Node: 13P2050N
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13P2100X
                  Invert(ft): 88.450
       Control Elevation(ft): 88.450
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
overflow weir
xsec points from terrain


-----------------------------------------------------------------------------------------------
         Name: 13P2300W            From Node: 13P2300P
        Group: 13P                   To Node: PEARL
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 94.350
       Control Elevation(ft): 94.350
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

overtopping pond berm weir
Estimated invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2400W            From Node: 13P2400P
        Group: 13P                   To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 91.670
       Control Elevation(ft): 91.670
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping pond berm weir
estimated invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2410W_1          From Node: 13P2410N
        Group: 13P                   To Node: 13P2420N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 84.85
                    Rise(in): 30.00
                  Invert(ft): 89.200
       Control Elevation(ft): 89.200
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

-----------------------------------------------------------------------------------------------
         Name: 13P2410W_2          From Node: 13P2410N
        Group: 13P                   To Node: 13P2420N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 4.25
```

```
                  Rise(in): 4.25
                Invert(ft): 87.800
      Control Elevation(ft): 87.800
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

-----------------------------------------------------------------------------------------------
        Name: 13P2635W           From Node: 13P2640N
       Group: 13P                  To Node: PRAIRIE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 300.00
                  Rise(in): 999.00
                Invert(ft): 89.950
      Control Elevation(ft): 89.950
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

-----------------------------------------------------------------------------------------------
        Name: 13P2643W1          From Node: 13P2643N
       Group: 13P                  To Node: 13P2640N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 200.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                Invert(ft): 90.800
      Control Elevation(ft): 90.800
     Struct Opening Dim(ft): 9999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
        Name: 13P2643W2          From Node: 13P2643N
       Group: 13P                  To Node: 13P2660P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 80.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                Invert(ft): 91.000
      Control Elevation(ft): 91.000
     Struct Opening Dim(ft): 9999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
        Name: 13P2644W1          From Node: 13P2644N
       Group: 13P                  To Node: PRAIRIE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 300.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                Invert(ft): 94.000
      Control Elevation(ft): 94.000
     Struct Opening Dim(ft): 9999.00
                                              TABLE
```

```
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2644W2           From Node: 13P2644N
        Group: 13P                   To Node: MALTBIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 150.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 97.200
      Control Elevation(ft): 97.200
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2646W            From Node: 13P2646N
        Group: 13P                   To Node: 13P2644N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 92.500
      Control Elevation(ft): 92.500
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2647W            From Node: LPRAIRIE
        Group: 13P                   To Node: 13P2646N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 540.00
                     Rise(in): 999.00
                  Invert(ft): 92.450
      Control Elevation(ft): 92.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P2647W2           From Node: LPRAIRIE
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 600.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 93.000
      Control Elevation(ft): 93.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P2660W           From Node: 13P2660P
        Group: 13P                  To Node: 13P2640N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 45.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 89.500
      Control Elevation(ft): 89.500
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

--------------------------------------------------------------------------------------------------
         Name: 13P3400W1          From Node: 13P3400P
        Group: 13P                  To Node: 13P3450N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 37.00
                    Rise(in): 49.00
                 Invert(ft): 89.300
      Control Elevation(ft): 89.300
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
     Orifice Discharge Coef: 0.600

GRATE

--------------------------------------------------------------------------------------------------
         Name: 13Q0450W           From Node: 13Q0500N
        Group: 13Q                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1000.00
                    Rise(in): 999.00
                 Invert(ft): 88.650
      Control Elevation(ft): 88.650
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

--------------------------------------------------------------------------------------------------
         Name: 13Q0820W           From Node: 13Q0820P
        Group: 13Q                  To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 89.750
      Control Elevation(ft): 89.750
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

--------------------------------------------------------------------------------------------------
         Name: 13Q0821W           From Node: 13Q0821N
        Group: 13Q                  To Node: 13Q0880N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
```

```
                 Invert(ft): 87.000
       Control Elevation(ft): 87.000
      Struct Opening Dim(ft): 9999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0822W1           From Node: 13Q0822N
        Group: 13Q                   To Node: 13Q0500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
       Control Elevation(ft): 87.000
      Struct Opening Dim(ft): 9999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0822W2           From Node: 13Q0822N
        Group: 13Q                   To Node: 13Q0890N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 89.000
       Control Elevation(ft): 89.000
      Struct Opening Dim(ft): 9999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0830W_1          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13Q-W083
                 Invert(ft): 86.480
       Control Elevation(ft): 86.480
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0830W_2          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13Q0830X
                 Invert(ft): 87.570
       Control Elevation(ft): 87.570
      Struct Opening Dim(ft): 9999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Added
xsec points from terrain

```
---------------------------------------------------------------------------------------------
         Name: 13Q0860W            From Node: 13Q0860P
        Group: 13Q                   To Node: 13Q0861N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 87.920
       Control Elevation(ft): 87.920
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Overtopping pond berm weir
invert from terrain data

```
---------------------------------------------------------------------------------------------
         Name: 13Q0870W            From Node: 13Q0870P
        Group: 13Q                   To Node: 13Q0865N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 88.120
       Control Elevation(ft): 88.120
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Added
Overtopping pond berm
estimated inverts from terrain

```
---------------------------------------------------------------------------------------------
         Name: 13Q0875W            From Node: 13Q0875N
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 89.600
       Control Elevation(ft): 89.600
      Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------
         Name: 13Q0895W            From Node: 13Q0895N
        Group: 13Q                   To Node: 13Q0896N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 34.00
                    Rise(in): 53.00
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600
```

Top of Grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top at ground level - estimated from terrain

```
--------------------------------------------------------------------------------------------------
         Name: 13Q0896W_1          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13Q0896X
                  Invert(ft): 83.360
       Control Elevation(ft): 83.360
      Struct Opening Dim(ft): 2.25
                                             TABLE
             Bottom Clip(ft): 0.917
                Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Large slot opening
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
inverts estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)
Bottom clip:  removable boards - 11" total

--------------------------------------------------------------------------------------------------
         Name: 13Q0896W_2          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                     Span(in): 7.00
                     Rise(in): 7.00
                  Invert(ft): 82.280
       Control Elevation(ft): 82.280
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
invert estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)

--------------------------------------------------------------------------------------------------
         Name: 13Q0896W_3          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                     Span(in): 37.00
                     Rise(in): 22.00
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Top of grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top elevation at ground level - estimated from terrain

--------------------------------------------------------------------------------------------------
         Name: 13Q2291W            From Node: 13Q2290P
        Group: 13Q                   To Node: 13Q0860P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 87.860
       Control Elevation(ft): 87.860
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overflow weir
invert estimated from terrain
```

```
--------------------------------------------------------------------------------------------------
         Name: 13Q2294W_1          From Node: 13Q2294N
        Group: 13Q                   To Node: 13Q2295N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 30.12
                 Invert(ft): 74.640
       Control Elevation(ft): 74.640
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1037_SD (NGVD 29)
s-8
No width available - assumed 4'

--------------------------------------------------------------------------------------------------
         Name: 13Q2295W            From Node: 13Q2300P
        Group: 13Q                   To Node: CONCORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 360.00
                   Rise(in): 999.00
                 Invert(ft): 75.980
       Control Elevation(ft): 75.980
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Overtopping pond wall (at NE corner)
GCS_1037_SD (NGVD 29)

--------------------------------------------------------------------------------------------------
         Name: A_ALTON             From Node: 13A1300N
        Group: 13A                   To Node: 13A1100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RA_ALTON
                 Invert(ft): 19.580
       Control Elevation(ft): 19.580
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: A_COSTA             From Node: 13A2600N
        Group: 13A                   To Node: 13A2400N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13A-B25R
                 Invert(ft): 32.000
       Control Elevation(ft): 32.000
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: A_EDGEM1            From Node: 13A3600N
        Group: 13A                   To Node: 13A3400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 540.00
                   Rise(in): 999.00
                 Invert(ft): 40.150
```

```
       Control Elevation(ft): 40.150
                                              TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_EDGEM2            From Node: 13A3954P
        Group: 13A                   To Node: 13A3990P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 50.380
       Control Elevation(ft): 50.380
                                              TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_FOOTBR            From Node: 13A2350N
        Group: 13A                   To Node: 13A2300N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B23R
                  Invert(ft): 31.850
       Control Elevation(ft): 31.850
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_HAYES             From Node: 13A2100N
        Group: 13A                   To Node: 13A1900N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B20R
                  Invert(ft): 26.360
       Control Elevation(ft): 26.360
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_LAURA             From Node: 13A5800N
        Group: 13A                   To Node: 13A5600N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B57R
                  Invert(ft): 52.580
       Control Elevation(ft): 52.580
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_MOSS              From Node: 13A3200N
        Group: 13A                   To Node: 13A3000N
         Flow: Both                    Count: 1
```

```
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_MOSS
                  Invert(ft): 36.510
       Control Elevation(ft): 36.510
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: A_MURPHY            From Node: 13A3900N
       Group: 13A                   To Node: 13A3700N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_MURPH
                  Invert(ft): 43.510
       Control Elevation(ft): 43.510
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: A_TRADEW            From Node: 13A3954P
       Group: 13A                   To Node: 13A3952P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 50.510
       Control Elevation(ft): 50.510
                                            TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: C_ALTON             From Node: 13C1000N
       Group: 13C                   To Node: 13C0800N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RC_ALTON
                  Invert(ft): 19.250
       Control Elevation(ft): 19.250
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: C_HAYES             From Node: 13C2200P
       Group: 13C                   To Node: 13C2000N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RC_HAYES
                  Invert(ft): 33.950
       Control Elevation(ft): 33.950
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: C_JEEP              From Node: 13C0500N
        Group: 13C                   To Node: 13C0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                  Invert(ft): 14.350
       Control Elevation(ft): 14.350
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: C_SHORE             From Node: 13C1700N
        Group: 13C                   To Node: 13C1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RC_SHORE
                  Invert(ft): 29.850
       Control Elevation(ft): 29.850
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_FLAMIN            From Node: 13D0700N
        Group: 13D                   To Node: 13D0500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RD_FLAMI
                  Invert(ft): 41.180
       Control Elevation(ft): 41.180
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_MOSS1             From Node: 13D0310N
        Group: 13D                   To Node: 13D0200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RD_MOSS
                  Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_MOSS2             From Node: 13D0330N
        Group: 13D                   To Node: 13D0200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RD_MOSS
                  Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: D_MOSS3             From Node: 13D0400N
        Group: 13D                   To Node: 13D0330N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                  Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                           TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_EDGEMO            From Node: 13F0700N
        Group: 13F                   To Node: 13A3990P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 51.050
       Control Elevation(ft): 51.050
                                           TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE1             From Node: CEMETERY
        Group: 13F                   To Node: 13F1300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                  Invert(ft): 63.550
       Control Elevation(ft): 63.550
                                           TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE2             From Node: 13F1374P
        Group: 13F                   To Node: 13F1300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                  Invert(ft): 65.450
       Control Elevation(ft): 65.450
                                           TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE3             From Node: 13F1378P
        Group: 13F                   To Node: 13F1300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
```

```
                  Rise(in): 999.00
                Invert(ft): 65.750
      Control Elevation(ft): 65.750
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: F_MURPHY            From Node: 13F0700N
       Group: 13F                   To Node: 13F0400P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_MURPH
                Invert(ft): 50.580
      Control Elevation(ft): 50.580
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: F_SEVENT            From Node: 13F0400P
       Group: 13F                   To Node: 13F0200N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_SEVEN
                Invert(ft): 47.750
      Control Elevation(ft): 47.750
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: I_CHURCH            From Node: GEM
       Group: 13I                   To Node: 13I1500P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 470.00
           Corres Depth(ft): 0.60
                Invert(ft): 73.350
      Control Elevation(ft): 73.350
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: I_CR434             From Node: 13I1500P
       Group: 13I                   To Node: EVERGRN
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RI_CR434
                Invert(ft): 64.130
      Control Elevation(ft): 64.130
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
```

```
         Name: I_EAST              From Node: FERN
        Group: 13I                   To Node: LWILDMER
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 80.00
            Corres Depth(ft): 1.50
                  Invert(ft): 62.450
       Control Elevation(ft): 62.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_GRANT             From Node: 13I1514P
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 75.00
            Corres Depth(ft): 0.50
                  Invert(ft): 65.450
       Control Elevation(ft): 65.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_MAGNOL            From Node: ORANGE
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 75.250
       Control Elevation(ft): 75.250
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_WILDME            From Node: WILDMERE
        Group: 13I                   To Node: 13I1000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RI_WILDM
                  Invert(ft): 61.260
       Control Elevation(ft): 61.260
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_CR427             From Node: 13J2100N
        Group: 13J                   To Node: 13J1900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 83.250
       Control Elevation(ft): 83.250
                                          TABLE
             Bottom Clip(in): 0.000
```

```
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_GRANT             From Node: 13J0300N
        Group: 13J                   To Node: FAIRY
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_GRANT
                  Invert(ft): 61.100
       Control Elevation(ft): 61.100
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_MARVIN            From Node: 13J0600N
        Group: 13J                   To Node: 13J0400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_MARVI
                  Invert(ft): 74.310
       Control Elevation(ft): 74.310
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_OLEAND            From Node: 13J1000N
        Group: 13J                   To Node: 13J0900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OLEAN
                  Invert(ft): 76.550
       Control Elevation(ft): 76.550
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_OVERST            From Node: 13J0800N
        Group: 13J                   To Node: 13J0700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OVERS
                  Invert(ft): 76.150
       Control Elevation(ft): 76.150
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_TULLIS            From Node: 13J1600N
        Group: 13J                   To Node: 13J1400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_TULLI
```

```
                Invert(ft): 77.550
      Control Elevation(ft): 77.550
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_WILDME            From Node: 13J1300N
       Group: 13J                   To Node: 13J1100N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RJ_WILDM
                Invert(ft): 78.210
      Control Elevation(ft): 78.210
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: K_#1792N            From Node: 13K0650N
       Group: 13K                   To Node: 13K0400N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                Invert(ft): 64.350
      Control Elevation(ft): 64.350
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: K_#1792S            From Node: 13K0750N
       Group: 13K                   To Node: 13K0650N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                Invert(ft): 64.950
      Control Elevation(ft): 64.950
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: K_GOLDEN            From Node: 13K0900P
       Group: 13K                   To Node: 13K0750N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                Invert(ft): 63.950
      Control Elevation(ft): 63.950
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: K_GRIFF1            From Node: GRIFFIN
```

```
        Group: 13K                  To Node: 13K1750N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 76.450
       Control Elevation(ft): 76.450
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GRIFF2            From Node: GRIFFIN
        Group: 13K                  To Node: 13K0750N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 76.150
       Control Elevation(ft): 76.150
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GRIFF3            From Node: GRIFFIN
        Group: 13K                  To Node: 13K1500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 76.150
       Control Elevation(ft): 76.150
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SEMINO            From Node: 13K0400N
        Group: 13K                  To Node: KATHRYN
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RK_SEMIN
                  Invert(ft): 60.670
       Control Elevation(ft): 60.670
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SLUMBE            From Node: 13K1300N
        Group: 13K                  To Node: 13K0900P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 67.750
       Control Elevation(ft): 67.750
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: L_CGC12             From Node: 13L1875P
       Group: 13L                   To Node: 13L1825N
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13L-B18R
                 Invert(ft): 56.000
      Control Elevation(ft): 56.000
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_CGC13             From Node: 13L1975P
       Group: 13L                   To Node: 13L1950P
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13L-B19R
                 Invert(ft): 55.950
      Control Elevation(ft): 55.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_CGC14             From Node: 13L2050P
       Group: 13L                   To Node: 13L1975P
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13L-B20R
                 Invert(ft): 56.250
      Control Elevation(ft): 56.250
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_KATHRY            From Node: 13L0020N
       Group: 13L                   To Node: KATHRYN
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 100.00
           Corres Depth(ft): 0.90
                 Invert(ft): 54.050
      Control Elevation(ft): 54.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_NTRIPL            From Node: 13L1020P
       Group: 13L                   To Node: TRIPLT-M
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: RL_NTRIP
                 Invert(ft): 54.560
      Control Elevation(ft): 54.560
```

```
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: L_OXFORD            From Node: 13L2700N
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RL_OXFOR
                  Invert(ft): 73.210
       Control Elevation(ft): 73.210
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: P_MORSE             From Node: 13P2661P
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RP_MORSE
                  Invert(ft): 89.550
       Control Elevation(ft): 89.550
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

updated xsec and inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: P_NTRIPL            From Node: 13P0400N
        Group: 13P                   To Node: 13P0450N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RP_NTRIP
                  Invert(ft): 60.150
       Control Elevation(ft): 60.150
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
Changed To Node
Adjusted invert to match xsec

-----------------------------------------------------------------------------------------------
         Name: P_SOUTHC            From Node: 13P1600N
        Group: 13P                   To Node: 13P1400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RP_SOUTH
                  Invert(ft): 79.280
       Control Elevation(ft): 79.280
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: POND10W             From Node: POND10
```

```
        Group: 13L                  To Node: 13L2050P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 57.000
       Control Elevation(ft): 57.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_ANCHO1            From Node: 13Q0820P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 150.00
                     Rise(in): 999.00
                  Invert(ft): 89.050
       Control Elevation(ft): 89.050
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_OAK               From Node: 13Q0940P
        Group: 13Q                   To Node: 13Q0820P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_OAK
                  Invert(ft): 88.960
       Control Elevation(ft): 88.960
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec

-----------------------------------------------------------------------------------------------
         Name: Q_PINE              From Node: 13Q0924P
        Group: 13Q                   To Node: 13Q0940P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_PINE
                  Invert(ft): 88.510
       Control Elevation(ft): 88.510
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised invert to match xsec


==========================================================================================
==== Rating Curves =======================================================================
==========================================================================================

         Name: 13L101PS            From Node: 13L1020P                Count: 1
        Group: 13L                   To Node: TRIPLT-M                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
           #1: 13L-PS10        53.950          53.450
           #2:                 -1.050          -1.050
           #3:                 -1.050          -1.050
           #4:                 -1.050          -1.050
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P182PS            From Node: PINEYRDG                Count: 1
        Group: 13P                   To Node: 13P1824N                Flow: Positive

              TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: 13P-PS18        83.950          79.350
          #2:                 -1.050          -1.050
          #3:                 -1.050          -1.050
          #4:                 -1.050          -1.050


-----------------------------------------------------------------------------------------------
         Name: 13P270PS            From Node: MALTBIE                 Count: 1
        Group: 13P                   To Node: PRAIRIE                 Flow: Positive

              TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: 13P-PS27        81.950          80.950
          #2: 13P-PS28        83.450          80.950
          #3:                 -1.050          -1.050
          #4:                 -1.050          -1.050


==========================================================================================
==== Hydrology Simulations ===============================================================
==========================================================================================

         Name: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G002YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------
         Name: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G010YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 6.80

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------
         Name: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G025YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------
         Name: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 11.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00
```

```
==========================================================================================
==== Routing Simulations ================================================================
==========================================================================================

         Name: G002YR24HR          Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G002YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 1
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario1       Yes


-------------------------------------------------------------------------------------------------
         Name: G010YR24HR          Hydrology Sim: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G010YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B010YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 1
10 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
```

```
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario1       Yes


-----------------------------------------------------------------------------------------------
         Name: G025YR24HR          Hydrology Sim: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G025YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B025YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 1
25 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario1       Yes


-----------------------------------------------------------------------------------------------
         Name: G100YR24HR          Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\G100YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 1
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
```

```
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario1       Yes


-----------------------------------------------------------------------------------------------------
         Name: initial             Hydrology Sim:
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario1\initial.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 0.01
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows:

GEE CREEK - SCENARIO 1
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           0.100
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario1       Yes


=========================================================================================
==== Boundary Conditions ================================================================
=========================================================================================

      Name: B002YR24HR            Node: 12-01-02              Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           9.390
          0.500          12.880
          1.000          13.120
```

1.500	13.210
2.000	13.240
2.500	13.240
3.000	13.230
3.500	13.230
4.000	13.220
4.500	13.220
5.000	13.210
5.500	13.210
6.000	13.210
6.500	13.210
7.000	13.210
7.500	13.220
8.000	13.230
8.500	13.240
8.670	13.250
8.830	13.260
9.000	13.270
9.170	13.280
9.330	13.290
9.500	13.310
9.670	13.320
9.830	13.340
10.000	13.360
10.170	13.380
10.330	13.400
10.500	13.440
10.670	13.490
10.830	13.540
11.000	13.590
11.170	13.630
11.330	13.680
11.500	13.750
11.670	13.860
11.830	14.120
12.000	14.570
12.170	14.960
12.330	15.130
12.500	15.280
12.670	15.400
12.830	15.490
13.000	15.550
13.170	15.590
13.330	15.620
13.500	15.650
13.670	15.670
13.830	15.690
14.000	15.720
14.170	15.750
14.330	15.780
14.500	15.810
14.670	15.830
14.830	15.860
15.000	15.880
15.170	15.910
15.330	15.920
15.500	15.940
15.670	15.950
15.830	15.960
16.000	15.960
16.170	15.960
16.670	15.950
17.170	15.920
17.670	15.900
18.170	15.870
18.670	15.830
19.170	15.780
19.670	15.740
20.170	15.700
20.670	15.660
21.170	15.620
21.670	15.580
22.170	15.550
22.670	15.530
23.170	15.500
23.670	15.470
24.170	15.450
24.670	15.410
25.170	15.370
25.670	15.330
26.170	15.280
26.670	15.220
27.170	15.170
27.670	15.110
28.170	15.060

28.670	15.010
29.170	14.970
29.670	14.930
30.170	14.900
30.670	14.830
31.170	14.800
31.670	14.770
32.170	14.760
32.670	14.740
33.170	14.730
33.670	14.710
34.170	14.700
34.670	14.680
35.170	14.670
35.670	14.650
36.170	14.630
36.670	14.620
37.170	14.600
37.670	14.590
38.170	14.570
38.670	14.550
39.170	14.530
39.670	14.520
40.170	14.500
40.670	14.470
41.170	14.450
41.670	14.430
42.170	14.410
42.670	14.380
43.170	14.360
43.670	14.330
44.170	14.310
44.670	14.290
45.170	14.260
45.670	14.240
46.170	14.210
46.670	14.190
47.170	14.160
47.670	14.140
48.170	14.120
48.670	14.090
49.170	14.070
49.670	14.050
50.170	14.030
50.670	14.010
51.170	13.980
51.670	13.960
52.170	13.940
52.670	13.920
53.170	13.900
53.670	13.880
54.170	13.860
54.670	13.830
55.170	13.810
55.670	13.790
56.170	13.770
56.670	13.750
57.170	13.730
57.670	13.710
58.170	13.690
58.670	13.670
59.170	13.650
59.670	13.630
60.170	13.600
60.670	13.580
61.170	13.560
61.670	13.540
62.170	13.520
62.670	13.500
63.170	13.480
63.670	13.450
64.170	13.440
64.670	13.430
65.170	13.410
65.670	13.390
66.170	13.370
66.670	13.350
67.170	13.330
67.670	13.310
68.170	13.290
68.670	13.270
69.170	13.250
69.670	13.230
70.170	13.210
70.670	13.190

71.170	13.170
71.670	13.150
72.000	13.140

Name: B010YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.240
3.000	13.240
3.500	13.250
4.000	13.250
4.500	13.260
5.000	13.270
5.500	13.280
6.000	13.300
6.500	13.330
7.000	13.360
7.500	13.400
8.000	13.450
8.500	13.530
8.670	13.570
8.830	13.590
9.000	13.620
9.170	13.650
9.330	13.680
9.500	13.710
9.670	13.740
9.830	13.780
10.000	13.820
10.170	13.860
10.330	13.900
10.500	13.950
10.670	14.010
10.830	14.060
11.000	14.130
11.170	14.210
11.330	14.310
11.500	14.440
11.670	14.660
11.830	14.930
12.000	15.140
12.170	15.390
12.330	15.640
12.500	15.850
12.670	16.050
12.830	16.210
13.000	16.330
13.170	16.420
13.330	16.500
13.500	16.570
13.670	16.630
13.830	16.700
14.000	16.770
14.170	16.830
14.330	16.900
14.500	16.960
14.670	17.010
14.830	17.060
15.000	17.110
15.170	17.150
15.330	17.180
15.500	17.220
15.670	17.240
15.830	17.270
16.000	17.290
16.170	17.300
16.670	17.330
17.170	17.330
17.670	17.310
18.170	17.290
18.670	17.250
19.170	17.170
19.670	17.090
20.170	17.000
20.670	16.940
21.170	16.890
21.670	16.860
22.170	16.830

22.670	16.800
23.170	16.770
23.670	16.740
24.170	16.710
24.670	16.670
25.170	16.630
25.670	16.580
26.170	16.530
26.670	16.470
27.170	16.410
27.670	16.350
28.170	16.290
28.670	16.230
29.170	16.180
29.670	16.130
30.170	16.080
30.670	16.030
31.170	15.990
31.670	15.950
32.170	15.920
32.670	15.890
33.170	15.870
33.670	15.840
34.170	15.820
34.670	15.810
35.170	15.790
35.670	15.770
36.170	15.760
36.670	15.750
37.170	15.730
37.670	15.720
38.170	15.710
38.670	15.700
39.170	15.690
39.670	15.680
40.170	15.660
40.670	15.650
41.170	15.640
41.670	15.630
42.170	15.620
42.670	15.600
43.170	15.590
43.670	15.580
44.170	15.560
44.670	15.550
45.170	15.530
45.670	15.520
46.170	15.500
46.670	15.490
47.170	15.470
47.670	15.450
48.170	15.440
48.670	15.420
49.170	15.400
49.670	15.390
50.170	15.370
50.670	15.350
51.170	15.330
51.670	15.310
52.170	15.300
52.670	15.280
53.170	15.260
53.670	15.240
54.170	15.220
54.670	15.200
55.170	15.180
55.670	15.160
56.170	15.140
56.670	15.120
57.170	15.100
57.670	15.080
58.170	15.060
58.670	15.040
59.170	15.010
59.670	14.990
60.170	14.970
60.670	14.950
61.170	14.920
61.670	14.900
62.170	14.860
62.670	14.820
63.170	14.790
63.670	14.770
64.170	14.750
64.670	14.730

65.170	14.710
65.670	14.680
66.170	14.660
66.670	14.640
67.170	14.620
67.670	14.590
68.170	14.570
68.670	14.550
69.170	14.520
69.670	14.500
70.170	14.470
70.670	14.440
71.170	14.420
71.670	14.390
72.000	14.370

Name: B025YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.250
3.000	13.260
3.500	13.270
4.000	13.280
4.500	13.310
5.000	13.330
5.500	13.360
6.000	13.400
6.500	13.450
7.000	13.520
7.500	13.600
8.000	13.670
8.500	13.760
8.670	13.790
8.830	13.830
9.000	13.870
9.170	13.900
9.330	13.940
9.500	13.980
9.670	14.020
9.830	14.060
10.000	14.110
10.170	14.160
10.330	14.240
10.500	14.320
10.670	14.420
10.830	14.530
11.000	14.640
11.170	14.750
11.330	14.850
11.500	14.910
11.670	14.990
11.830	15.160
12.000	15.390
12.170	15.650
12.330	15.920
12.500	16.160
12.670	16.380
12.830	16.580
13.000	16.750
13.170	16.880
13.330	16.990
13.500	17.090
13.670	17.180
13.830	17.270
14.000	17.360
14.170	17.450
14.330	17.530
14.500	17.610
14.670	17.680
14.830	17.750
15.000	17.810
15.170	17.860
15.330	17.910
15.500	17.950
15.670	17.990
15.830	18.020
16.000	18.050
16.170	18.070

16.670	18.120
17.170	18.140
17.670	18.140
18.170	18.120
18.670	18.100
19.170	18.060
19.670	18.030
20.170	17.990
20.670	17.960
21.670	17.910
22.170	17.890
22.670	17.880
23.170	17.870
23.670	17.860
24.170	17.860
24.670	17.850
25.170	17.840
25.670	17.830
26.170	17.810
26.670	17.780
27.170	17.740
27.670	17.700
28.170	17.650
28.670	17.600
29.170	17.540
29.670	17.470
30.170	17.400
30.670	17.330
31.170	17.250
31.670	17.160
32.170	17.080
32.670	17.010
33.170	16.950
33.670	16.910
34.170	16.880
34.670	16.850
35.170	16.820
35.670	16.780
36.170	16.740
36.670	16.690
37.170	16.640
37.670	16.580
38.170	16.530
38.670	16.480
39.170	16.430
39.670	16.380
40.170	16.330
40.670	16.280
41.170	16.240
41.670	16.200
42.170	16.170
42.670	16.130
43.170	16.100
43.670	16.080
44.170	16.050
44.670	16.030
45.170	16.010
45.670	15.990
46.170	15.980
46.670	15.960
47.170	15.950
47.670	15.930
48.170	15.920
48.670	15.900
49.170	15.890
49.670	15.880
50.170	15.860
50.670	15.850
51.170	15.840
51.670	15.820
52.170	15.810
52.670	15.800
53.170	15.780
53.670	15.770
54.170	15.760
54.670	15.740
55.170	15.730
55.670	15.720
56.170	15.700
56.670	15.690
57.170	15.670
57.670	15.660
58.170	15.640
58.670	15.620
59.170	15.610

59.670	15.590
60.170	15.570
60.670	15.550
61.170	15.530
61.670	15.510
62.170	15.500
62.670	15.480
63.170	15.460
63.670	15.440
64.170	15.420
64.670	15.400
65.170	15.380
65.670	15.360
66.170	15.340
66.670	15.320
67.170	15.300
67.670	15.280
68.170	15.260
68.670	15.240
69.170	15.220
69.670	15.190
70.170	15.170
70.670	15.150
71.170	15.130
71.670	15.110
72.000	15.100

Name: B100YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.250
2.500	13.270
3.000	13.300
3.500	13.330
4.000	13.370
4.500	13.420
5.000	13.490
5.500	13.590
6.000	13.650
6.500	13.730
7.000	13.820
7.500	13.920
8.000	14.020
8.500	14.140
8.670	14.190
8.830	14.250
9.000	14.330
9.170	14.410
9.330	14.490
9.500	14.570
9.670	14.640
9.830	14.720
10.000	14.790
10.170	14.860
10.330	14.900
10.500	14.940
10.670	14.990
10.830	15.040
11.000	15.110
11.170	15.180
11.330	15.250
11.500	15.330
11.670	15.440
11.830	15.610
12.000	15.850
12.170	16.130
12.330	16.420
12.500	16.700
12.670	16.970
12.830	17.190
13.000	17.390
13.170	17.560
13.330	17.720
13.500	17.870
13.670	18.010
13.830	18.140
14.000	18.260
14.170	18.370
14.330	18.480

14.500	18.580
14.670	18.670
14.830	18.760
15.000	18.830
15.170	18.890
15.330	18.950
15.500	19.000
15.670	19.040
15.830	19.080
16.000	19.120
16.170	19.150
16.670	19.250
17.170	19.350
17.670	19.450
18.170	19.540
18.670	19.620
19.170	19.680
19.670	19.730
20.170	19.780
20.670	19.810
21.170	19.830
21.670	19.850
22.170	19.860
22.670	19.850
23.170	19.840
23.670	19.820
24.170	19.800
24.670	19.780
25.170	19.750
25.670	19.720
26.170	19.680
26.670	19.640
27.170	19.600
27.670	19.550
28.170	19.510
28.670	19.460
29.170	19.410
29.670	19.360
30.170	19.310
30.670	19.260
31.170	19.210
31.670	19.160
32.170	19.100
32.670	19.050
33.170	18.990
33.670	18.930
34.170	18.860
34.670	18.790
35.170	18.720
35.670	18.640
36.170	18.550
36.670	18.460
37.170	18.370
37.670	18.270
38.170	18.170
38.670	18.070
39.170	17.970
39.670	17.870
40.170	17.760
40.670	17.650
41.170	17.540
41.670	17.430
42.170	17.320
42.670	17.220
43.170	17.110
43.670	17.020
44.170	16.960
44.670	16.910
45.170	16.880
45.670	16.860
46.170	16.830
46.670	16.790
47.170	16.760
47.670	16.720
48.170	16.680
48.670	16.640
49.170	16.590
49.670	16.550
50.170	16.510
50.670	16.470
51.170	16.430
51.670	16.390
52.170	16.350
52.670	16.320
53.170	16.290

53.670	16.250
54.170	16.220
54.670	16.190
55.170	16.170
55.670	16.140
56.170	16.130
56.670	16.110
57.170	16.090
57.670	16.080
58.170	16.060
58.670	16.050
59.170	16.030
59.670	16.020
60.170	16.000
60.670	15.990
61.170	15.970
61.670	15.960
62.170	15.950
62.670	15.930
63.170	15.920
63.670	15.900
64.170	15.890
64.670	15.870
65.170	15.860
65.670	15.840
66.170	15.830
66.670	15.810
67.170	15.800
67.670	15.780
68.170	15.770
68.670	15.760
69.170	15.740
69.670	15.730
70.170	15.710
70.670	15.700
71.170	15.690
71.670	15.670
72.000	15.660

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.2 Basin Max Comparison Report – Scenario 1

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A0100B	GEE	12.07	13.14	2.811	70822
G010YR24HR	13A0100B	GEE	12.07	23.29	5.054	127319
G025YR24HR	13A0100B	GEE	12.07	30.47	6.689	168505
G100YR24HR	13A0100B	GEE	12.07	43.05	9.616	242252
G002YR24HR	13A0300B	GEE	13.17	16.16	2.466	264466
G010YR24HR	13A0300B	GEE	13.17	30.63	4.625	495907
G025YR24HR	13A0300B	GEE	13.17	41.13	6.221	667082
G100YR24HR	13A0300B	GEE	13.08	59.76	9.102	976023
G002YR24HR	13A0600B	GEE	13.33	6.80	3.510	123321
G010YR24HR	13A0600B	GEE	13.33	11.19	5.862	205991
G025YR24HR	13A0600B	GEE	13.33	14.27	7.544	265070
G100YR24HR	13A0600B	GEE	13.33	19.68	10.523	369768
G002YR24HR	13A0725B	GEE	12.07	2.69	2.627	14497
G010YR24HR	13A0725B	GEE	12.07	4.91	4.828	26639
G025YR24HR	13A0725B	GEE	12.07	6.48	6.444	35557
G100YR24HR	13A0725B	GEE	12.07	9.25	9.350	51587
G002YR24HR	13A0735B	GEE	12.58	20.31	3.094	227643
G010YR24HR	13A0735B	GEE	12.58	34.95	5.388	396480
G025YR24HR	13A0735B	GEE	12.58	45.28	7.045	518391
G100YR24HR	13A0735B	GEE	12.58	63.35	9.997	735574
G002YR24HR	13A0800B	GEE	12.33	12.72	1.855	110558
G010YR24HR	13A0800B	GEE	12.33	27.04	3.812	227199
G025YR24HR	13A0800B	GEE	12.33	37.81	5.311	316564
G100YR24HR	13A0800B	GEE	12.33	57.25	8.073	481181
G002YR24HR	13A0820B	GEE	13.75	18.78	3.289	409145
G010YR24HR	13A0820B	GEE	13.75	31.80	5.614	698442
G025YR24HR	13A0820B	GEE	13.75	40.99	7.285	906221
G100YR24HR	13A0820B	GEE	13.75	57.11	10.252	1275361
G002YR24HR	13A0950B	GEE	12.24	11.46	2.071	81939
G010YR24HR	13A0950B	GEE	12.18	23.12	4.108	162547
G025YR24HR	13A0950B	GEE	12.18	31.79	5.647	223448
G100YR24HR	13A0950B	GEE	12.18	47.29	8.459	334708
G002YR24HR	13A1000B	GEE	12.10	7.78	2.164	42096
G010YR24HR	13A1000B	GEE	12.07	15.29	4.232	82345
G025YR24HR	13A1000B	GEE	12.07	20.82	5.787	112588
G100YR24HR	13A1000B	GEE	12.07	30.63	8.617	167666
G002YR24HR	13A1001B	GEE	12.67	6.79	1.771	81466
G010YR24HR	13A1001B	GEE	12.67	14.78	3.694	169879
G025YR24HR	13A1001B	GEE	12.67	20.85	5.175	238018
G100YR24HR	13A1001B	GEE	12.67	31.87	7.914	363975
G002YR24HR	13A1002B	GEE	12.07	4.75	2.728	25548
G010YR24HR	13A1002B	GEE	12.07	8.51	4.952	46380
G025YR24HR	13A1002B	GEE	12.07	11.19	6.579	61615
G100YR24HR	13A1002B	GEE	12.07	15.87	9.497	88942
G002YR24HR	13A1101B	GEE	13.00	14.95	2.534	214168
G010YR24HR	13A1101B	GEE	12.92	28.00	4.710	398062
G025YR24HR	13A1101B	GEE	12.92	37.43	6.315	533643
G100YR24HR	13A1101B	GEE	12.92	54.10	9.205	777913
G002YR24HR	13A1102B	GEE	12.07	8.60	2.739	46329
G010YR24HR	13A1102B	GEE	12.07	15.41	4.966	83997
G025YR24HR	13A1102B	GEE	12.07	20.24	6.593	111534
G100YR24HR	13A1102B	GEE	12.07	28.70	9.513	160914
G002YR24HR	13A1300B	GEE	12.33	12.88	2.984	112773
G010YR24HR	13A1300B	GEE	12.33	22.44	5.259	198735
G025YR24HR	13A1300B	GEE	12.33	29.19	6.907	261015
G100YR24HR	13A1300B	GEE	12.33	41.01	9.849	372164
G002YR24HR	13A1400B	GEE	12.10	8.94	2.336	48171
G010YR24HR	13A1400B	GEE	12.07	17.04	4.459	91935
G025YR24HR	13A1400B	GEE	12.07	22.92	6.039	124513
G100YR24HR	13A1400B	GEE	12.07	33.32	8.901	183525
G002YR24HR	13A1600B	GEE	12.07	9.19	3.299	50304
G010YR24HR	13A1600B	GEE	12.07	15.30	5.627	85794
G025YR24HR	13A1600B	GEE	12.07	19.58	7.299	111278
G100YR24HR	13A1600B	GEE	12.07	27.07	10.268	156548
G002YR24HR	13A1601B	GEE	12.12	12.85	2.727	76426
G010YR24HR	13A1601B	GEE	12.12	23.07	4.951	138748
G025YR24HR	13A1601B	GEE	12.12	30.33	6.578	184327

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13A1601B	GEE	12.12	43.05	9.495	266081
G002YR24HR	13A1700B	GEE	12.07	10.68	3.276	58396
G010YR24HR	13A1700B	GEE	12.07	17.83	5.601	99828
G025YR24HR	13A1700B	GEE	12.07	22.84	7.271	129596
G100YR24HR	13A1700B	GEE	12.07	31.60	10.239	182492
G002YR24HR	13A1701B	GEE	12.17	45.38	2.728	306575
G010YR24HR	13A1701B	GEE	12.17	81.77	4.952	556559
G025YR24HR	13A1701B	GEE	12.17	107.64	6.579	739383
G100YR24HR	13A1701B	GEE	12.17	153.04	9.497	1067307
G002YR24HR	13A1800B	GEE	12.07	10.04	3.231	54780
G010YR24HR	13A1800B	GEE	12.07	16.85	5.550	94077
G025YR24HR	13A1800B	GEE	12.07	21.62	7.217	122343
G100YR24HR	13A1800B	GEE	12.07	29.97	10.182	172602
G002YR24HR	13A1801B	GEE	12.07	11.79	2.656	63436
G010YR24HR	13A1801B	GEE	12.07	21.37	4.863	116166
G025YR24HR	13A1801B	GEE	12.07	28.19	6.483	154843
G100YR24HR	13A1801B	GEE	12.07	40.17	9.392	224327
G002YR24HR	13A1802B	GEE	12.10	2.83	2.453	15224
G010YR24HR	13A1802B	GEE	12.07	5.29	4.608	28604
G025YR24HR	13A1802B	GEE	12.07	7.06	6.204	38508
G100YR24HR	13A1802B	GEE	12.07	10.19	9.084	56390
G002YR24HR	13A1901B	GEE	12.20	20.62	2.739	147441
G010YR24HR	13A1901B	GEE	12.20	37.11	4.965	267278
G025YR24HR	13A1901B	GEE	12.20	48.85	6.592	354879
G100YR24HR	13A1901B	GEE	12.20	69.43	9.510	511964
G002YR24HR	13A1902B	GEE	12.10	3.44	2.126	18597
G010YR24HR	13A1902B	GEE	12.07	6.80	4.182	36584
G025YR24HR	13A1902B	GEE	12.07	9.28	5.730	50129
G100YR24HR	13A1902B	GEE	12.07	13.69	8.553	74828
G002YR24HR	13A2100B	GEE	12.07	8.04	2.728	43273
G010YR24HR	13A2100B	GEE	12.07	14.42	4.952	78558
G025YR24HR	13A2100B	GEE	12.07	18.95	6.579	104364
G100YR24HR	13A2100B	GEE	12.07	26.88	9.497	150650
G002YR24HR	13A2200B	GEE	12.07	16.56	3.499	91834
G010YR24HR	13A2200B	GEE	12.07	27.00	5.852	153580
G025YR24HR	13A2200B	GEE	12.07	34.31	7.534	197717
G100YR24HR	13A2200B	GEE	12.07	47.11	10.514	275945
G002YR24HR	13A2201B	GEE	12.20	26.95	2.608	193021
G010YR24HR	13A2201B	GEE	12.20	49.52	4.803	355509
G025YR24HR	13A2201B	GEE	12.20	65.66	6.417	474926
G100YR24HR	13A2201B	GEE	12.20	94.05	9.318	689697
G002YR24HR	13A2202B	GEE	12.10	4.76	2.426	25627
G010YR24HR	13A2202B	GEE	12.07	8.94	4.574	48320
G025YR24HR	13A2202B	GEE	12.07	11.96	6.166	65137
G100YR24HR	13A2202B	GEE	12.07	17.28	9.043	95524
G002YR24HR	13A2220B	GEE	12.10	14.54	1.338	84780
G010YR24HR	13A2220B	GEE	12.10	35.57	3.056	193715
G025YR24HR	13A2220B	GEE	12.10	52.08	4.431	280837
G100YR24HR	13A2220B	GEE	12.07	82.78	7.030	445566
G002YR24HR	13A2300B	GEE	12.07	3.12	2.726	16823
G010YR24HR	13A2300B	GEE	12.07	5.61	4.950	30547
G025YR24HR	13A2300B	GEE	12.07	7.37	6.577	40584
G100YR24HR	13A2300B	GEE	12.07	10.46	9.494	58589
G002YR24HR	13A2350B	GEE	12.07	8.64	3.268	47219
G010YR24HR	13A2350B	GEE	12.07	14.44	5.592	80788
G025YR24HR	13A2350B	GEE	12.07	18.50	7.262	104910
G100YR24HR	13A2350B	GEE	12.07	25.60	10.229	147779
G002YR24HR	13A2351B	GEE	12.07	6.70	2.721	36047
G010YR24HR	13A2351B	GEE	12.07	12.02	4.943	65497
G025YR24HR	13A2351B	GEE	12.07	15.81	6.569	87041
G100YR24HR	13A2351B	GEE	12.07	22.44	9.486	125690
G002YR24HR	13A2400B	GEE	12.07	9.64	2.707	51885
G010YR24HR	13A2400B	GEE	12.07	17.34	4.927	94427
G025YR24HR	13A2400B	GEE	12.07	22.81	6.551	125566
G100YR24HR	13A2400B	GEE	12.07	32.41	9.467	181443
G002YR24HR	13A2600B	GEE	12.07	7.99	3.356	43858

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13A2600B	GEE	12.07	13.21	5.692	74378
G025YR24HR	13A2600B	GEE	12.07	16.87	7.366	96262
G100YR24HR	13A2600B	GEE	12.07	23.28	10.339	135111
G002YR24HR	13A2601B	GEE	12.32	36.16	2.266	288182
G010YR24HR	13A2601B	GEE	12.32	70.08	4.367	555306
G025YR24HR	13A2601B	GEE	12.24	94.91	5.936	754875
G100YR24HR	13A2601B	GEE	12.24	139.29	8.785	1117122
G002YR24HR	13A2701B	GEE	12.07	4.98	2.575	26828
G010YR24HR	13A2701B	GEE	12.07	9.15	4.763	49621
G025YR24HR	13A2701B	GEE	12.07	12.13	6.373	66397
G100YR24HR	13A2701B	GEE	12.07	17.36	9.272	96593
G002YR24HR	13A2750B	GEE	12.13	24.52	2.435	149175
G010YR24HR	13A2750B	GEE	12.13	46.09	4.585	280956
G025YR24HR	13A2750B	GEE	12.13	61.63	6.178	378577
G100YR24HR	13A2750B	GEE	12.13	89.02	9.056	554924
G002YR24HR	13A2820B	GEE	12.17	14.56	2.562	98485
G010YR24HR	13A2820B	GEE	12.17	26.91	4.746	182461
G025YR24HR	13A2820B	GEE	12.17	35.77	6.355	244305
G100YR24HR	13A2820B	GEE	12.17	51.35	9.252	355656
G002YR24HR	13A2900B	GEE	12.92	8.70	1.554	126777
G010YR24HR	13A2900B	GEE	12.92	20.11	3.381	275772
G025YR24HR	13A2900B	GEE	12.92	28.99	4.813	392583
G100YR24HR	13A2900B	GEE	12.83	45.45	7.488	610761
G002YR24HR	13A2901B	GEE	13.33	15.77	1.837	289326
G010YR24HR	13A2901B	GEE	13.33	33.89	3.787	596277
G025YR24HR	13A2901B	GEE	13.33	47.67	5.282	831721
G100YR24HR	13A2901B	GEE	13.25	72.84	8.038	1265722
G002YR24HR	13A2902B	GEE	15.14	12.98	1.321	188711
G010YR24HR	13A2902B	GEE	15.05	32.46	3.030	432854
G025YR24HR	13A2902B	GEE	15.05	48.10	4.398	628416
G100YR24HR	13A2902B	GEE	15.05	77.37	6.989	998535
G002YR24HR	13A2903B	GEE	17.72	3.02	0.574	69908
G010YR24HR	13A2903B	GEE	17.47	12.15	1.768	215495
G025YR24HR	13A2903B	GEE	17.47	20.89	2.837	345681
G100YR24HR	13A2903B	GEE	17.38	38.95	5.001	609439
G002YR24HR	13A3200B	GEE	12.07	8.50	2.857	45845
G010YR24HR	13A3200B	GEE	12.07	14.97	5.110	81982
G025YR24HR	13A3200B	GEE	12.07	19.54	6.749	108281
G100YR24HR	13A3200B	GEE	12.07	27.54	9.681	155328
G002YR24HR	13A3201B	GEE	12.17	23.38	2.674	158011
G010YR24HR	13A3201B	GEE	12.17	42.48	4.886	288724
G025YR24HR	13A3201B	GEE	12.17	56.09	6.507	384530
G100YR24HR	13A3201B	GEE	12.17	79.99	9.418	556577
G002YR24HR	13A3202B	GEE	12.10	4.06	2.045	22046
G010YR24HR	13A3202B	GEE	12.07	8.16	4.073	43911
G025YR24HR	13A3202B	GEE	12.07	11.20	5.608	60457
G100YR24HR	13A3202B	GEE	12.07	16.64	8.414	90713
G002YR24HR	13A3300B	GEE	12.07	8.54	3.024	46220
G010YR24HR	13A3300B	GEE	12.07	14.70	5.309	81130
G025YR24HR	13A3300B	GEE	12.07	19.03	6.962	106392
G100YR24HR	13A3300B	GEE	12.07	26.61	9.910	151450
G002YR24HR	13A3320B	GEE	12.10	18.09	2.182	97749
G010YR24HR	13A3320B	GEE	12.07	35.41	4.257	190685
G025YR24HR	13A3320B	GEE	12.07	48.14	5.814	260443
G100YR24HR	13A3320B	GEE	12.07	70.73	8.649	387406
G002YR24HR	13A3400B	GEE	12.23	51.21	2.682	393359
G010YR24HR	13A3400B	GEE	12.23	93.14	4.896	717944
G025YR24HR	13A3400B	GEE	12.23	123.05	6.517	955754
G100YR24HR	13A3400B	GEE	12.23	175.60	9.429	1382720
G002YR24HR	13A3420B	GEE	12.10	9.00	1.605	50446
G010YR24HR	13A3420B	GEE	12.10	20.12	3.455	108621
G025YR24HR	13A3420B	GEE	12.10	28.61	4.900	154041
G100YR24HR	13A3420B	GEE	12.07	44.23	7.592	238664
G002YR24HR	13A3440B	GEE	14.58	1.66	0.754	52647
G010YR24HR	13A3440B	GEE	14.33	5.43	2.098	146529
G025YR24HR	13A3440B	GEE	14.25	8.82	3.258	227533
G100YR24HR	13A3440B	GEE	14.17	15.64	5.557	388092

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A3600B	GEE	12.07	19.18	2.942	103579
G010YR24HR	13A3600B	GEE	12.07	33.38	5.211	183472
G025YR24HR	13A3600B	GEE	12.07	43.39	6.857	241445
G100YR24HR	13A3600B	GEE	12.07	60.89	9.798	344991
G002YR24HR	13A3910B	GEE	12.07	23.83	2.881	128547
G010YR24HR	13A3910B	GEE	12.07	41.82	5.139	229243
G025YR24HR	13A3910B	GEE	12.07	54.52	6.780	302465
G100YR24HR	13A3910B	GEE	12.07	76.74	9.715	433393
G002YR24HR	13A3920B	GEE	12.07	26.65	3.690	150135
G010YR24HR	13A3920B	GEE	12.07	42.68	6.061	246630
G025YR24HR	13A3920B	GEE	12.07	53.92	7.750	315369
G100YR24HR	13A3920B	GEE	12.07	73.64	10.739	436996
G002YR24HR	13A3921B	GEE	12.07	27.95	2.663	150415
G010YR24HR	13A3921B	GEE	12.07	50.62	4.872	275204
G025YR24HR	13A3921B	GEE	12.07	66.75	6.492	366708
G100YR24HR	13A3921B	GEE	12.07	95.06	9.402	531070
G002YR24HR	13A3930B	GEE	12.07	37.98	2.682	204438
G010YR24HR	13A3930B	GEE	12.07	68.60	4.896	373194
G025YR24HR	13A3930B	GEE	12.07	90.37	6.518	496841
G100YR24HR	13A3930B	GEE	12.07	128.56	9.430	718845
G002YR24HR	13A3940B	GEE	12.07	8.28	2.728	44560
G010YR24HR	13A3940B	GEE	12.07	14.85	4.952	80895
G025YR24HR	13A3940B	GEE	12.07	19.51	6.579	107468
G100YR24HR	13A3940B	GEE	12.07	27.68	9.497	155132
G002YR24HR	13A3950B	GEE	12.07	18.24	2.708	98202
G010YR24HR	13A3950B	GEE	12.07	32.82	4.928	178701
G025YR24HR	13A3950B	GEE	12.07	43.17	6.553	237620
G100YR24HR	13A3950B	GEE	12.07	61.33	9.468	343346
G002YR24HR	13A3952B	GEE	13.25	14.34	1.458	248498
G010YR24HR	13A3952B	GEE	13.17	34.23	3.239	551856
G025YR24HR	13A3952B	GEE	13.08	49.94	4.646	791692
G100YR24HR	13A3952B	GEE	13.08	79.29	7.289	1241966
G002YR24HR	13A3954B	GEE	12.18	23.43	1.274	163352
G010YR24HR	13A3954B	GEE	12.13	59.26	2.958	379276
G025YR24HR	13A3954B	GEE	12.13	88.07	4.314	553081
G100YR24HR	13A3954B	GEE	12.13	141.88	6.887	883022
G002YR24HR	13A3956B	GEE	12.13	3.24	0.755	24164
G010YR24HR	13A3956B	GEE	12.10	11.58	2.100	67239
G025YR24HR	13A3956B	GEE	12.10	18.79	3.261	104401
G100YR24HR	13A3956B	GEE	12.10	32.89	5.561	178056
G002YR24HR	13A3960B	GEE	12.10	9.95	1.767	54893
G010YR24HR	13A3960B	GEE	12.10	21.28	3.688	114591
G025YR24HR	13A3960B	GEE	12.07	29.84	5.169	160619
G100YR24HR	13A3960B	GEE	12.07	45.40	7.908	245726
G002YR24HR	13A3962B	GEE	12.16	33.37	2.533	221323
G010YR24HR	13A3962B	GEE	12.16	61.95	4.710	411544
G025YR24HR	13A3962B	GEE	12.16	82.45	6.316	551812
G100YR24HR	13A3962B	GEE	12.16	118.54	9.208	804548
G002YR24HR	13A3964B	GEE	12.07	30.82	2.799	166028
G010YR24HR	13A3964B	GEE	12.07	54.71	5.039	298894
G025YR24HR	13A3964B	GEE	12.07	71.62	6.673	395798
G100YR24HR	13A3964B	GEE	12.07	101.24	9.599	569353
G002YR24HR	13A3990B	GEE	12.10	45.05	1.775	248474
G010YR24HR	13A3990B	GEE	12.10	96.17	3.699	517933
G025YR24HR	13A3990B	GEE	12.07	134.80	5.182	725566
G100YR24HR	13A3990B	GEE	12.07	204.91	7.923	1109350
G002YR24HR	13A4000B	GEE	12.07	15.31	3.679	86133
G010YR24HR	13A4000B	GEE	12.07	24.53	6.049	141633
G025YR24HR	13A4000B	GEE	12.07	31.00	7.738	181175
G100YR24HR	13A4000B	GEE	12.07	42.35	10.727	251147
G002YR24HR	13A4120B	GEE	12.07	30.36	2.932	163918
G010YR24HR	13A4120B	GEE	12.07	52.90	5.199	290656
G025YR24HR	13A4120B	GEE	12.07	68.79	6.845	382652
G100YR24HR	13A4120B	GEE	12.07	96.59	9.785	546994
G002YR24HR	13A4200B	GEE	12.07	8.26	3.382	45418
G010YR24HR	13A4200B	GEE	12.07	13.62	5.720	76830

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13A4200B	GEE	12.07	17.38	7.396	99340
G100YR24HR	13A4200B	GEE	12.07	23.96	10.371	139289
G002YR24HR	13A4300B	GEE	12.07	41.02	3.045	222200
G010YR24HR	13A4300B	GEE	12.07	70.43	5.333	389140
G025YR24HR	13A4300B	GEE	12.07	91.11	6.988	509869
G100YR24HR	13A4300B	GEE	12.07	127.26	9.938	725124
G002YR24HR	13A4301B	GEE	12.10	23.92	2.441	128769
G010YR24HR	13A4301B	GEE	12.07	44.83	4.594	242303
G025YR24HR	13A4301B	GEE	12.07	59.90	6.188	326380
G100YR24HR	13A4301B	GEE	12.07	86.45	9.067	478232
G002YR24HR	13A4700B	GEE	12.10	33.92	2.544	182629
G010YR24HR	13A4700B	GEE	12.07	62.59	4.723	339142
G025YR24HR	13A4700B	GEE	12.07	83.12	6.330	454499
G100YR24HR	13A4700B	GEE	12.07	119.20	9.224	662296
G002YR24HR	13A4701B	GEE	12.07	11.25	2.640	60559
G010YR24HR	13A4701B	GEE	12.07	20.45	4.843	111117
G025YR24HR	13A4701B	GEE	12.07	27.01	6.461	148225
G100YR24HR	13A4701B	GEE	12.07	38.51	9.368	214916
G002YR24HR	13A4720B	GEE	12.33	2.38	0.429	24364
G010YR24HR	13A4720B	GEE	12.10	12.82	1.486	84361
G025YR24HR	13A4720B	GEE	12.10	23.71	2.467	140071
G100YR24HR	13A4720B	GEE	12.10	46.13	4.501	255518
G002YR24HR	13A4721B	GEE	12.83	2.22	0.393	24247
G010YR24HR	13A4721B	GEE	12.63	12.91	1.411	87130
G025YR24HR	13A4721B	GEE	12.60	24.44	2.368	146193
G100YR24HR	13A4721B	GEE	12.60	48.41	4.363	269409
G002YR24HR	13A5001B	GEE	12.07	24.68	3.499	136798
G010YR24HR	13A5001B	GEE	12.07	40.22	5.852	228777
G025YR24HR	13A5001B	GEE	12.07	51.11	7.534	294524
G100YR24HR	13A5001B	GEE	12.07	70.17	10.514	411054
G002YR24HR	13A5002B	GEE	12.07	6.06	3.114	32897
G010YR24HR	13A5002B	GEE	12.07	10.31	5.414	57190
G025YR24HR	13A5002B	GEE	12.07	13.30	7.074	74722
G100YR24HR	13A5002B	GEE	12.07	18.52	10.030	105947
G002YR24HR	13A5100B	GEE	12.07	35.26	3.705	198890
G010YR24HR	13A5100B	GEE	12.07	56.39	6.077	326270
G025YR24HR	13A5100B	GEE	12.07	71.21	7.767	416989
G100YR24HR	13A5100B	GEE	12.07	97.21	10.756	577487
G002YR24HR	13A5101B	GEE	12.07	21.67	2.728	116649
G010YR24HR	13A5101B	GEE	12.07	38.86	4.952	211766
G025YR24HR	13A5101B	GEE	12.07	51.07	6.579	281329
G100YR24HR	13A5101B	GEE	12.07	72.46	9.497	406101
G002YR24HR	13A5300B	GEE	12.07	6.96	3.107	37789
G010YR24HR	13A5300B	GEE	12.07	11.86	5.406	65741
G025YR24HR	13A5300B	GEE	12.07	15.30	7.065	85918
G100YR24HR	13A5300B	GEE	12.07	21.31	10.021	121857
G002YR24HR	13A5320B	GEE	12.10	6.59	1.078	41248
G010YR24HR	13A5320B	GEE	12.10	18.27	2.647	101289
G025YR24HR	13A5320B	GEE	12.10	27.75	3.939	150704
G100YR24HR	13A5320B	GEE	12.10	45.66	6.425	245813
G002YR24HR	13A5400B	GEE	12.20	32.76	2.720	234284
G010YR24HR	13A5400B	GEE	12.20	59.14	4.942	425670
G025YR24HR	13A5400B	GEE	12.20	77.92	6.567	565678
G100YR24HR	13A5400B	GEE	12.20	110.87	9.483	816840
G002YR24HR	13A5500B	GEE	12.10	16.81	2.305	90633
G010YR24HR	13A5500B	GEE	12.07	32.22	4.419	173714
G025YR24HR	13A5500B	GEE	12.07	43.42	5.994	235659
G100YR24HR	13A5500B	GEE	12.07	63.24	8.851	347970
G002YR24HR	13A5600B	GEE	12.07	21.64	3.098	117397
G010YR24HR	13A5600B	GEE	12.07	36.90	5.395	204447
G025YR24HR	13A5600B	GEE	12.07	47.62	7.053	267300
G100YR24HR	13A5600B	GEE	12.07	66.37	10.008	379271
G002YR24HR	13A5800B	GEE	12.07	6.37	3.499	35308
G010YR24HR	13A5800B	GEE	12.07	10.38	5.851	59049
G025YR24HR	13A5800B	GEE	12.07	13.19	7.533	76020
G100YR24HR	13A5800B	GEE	12.07	18.11	10.514	106099

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A6000B	GEE	12.07	184.99	2.843	997162
G010YR24HR	13A6000B	GEE	12.07	326.35	5.092	1786184
G025YR24HR	13A6000B	GEE	12.07	426.30	6.729	2360724
G100YR24HR	13A6000B	GEE	12.07	601.25	9.660	3388833
G002YR24HR	13A6200B	GEE	12.33	224.12	3.546	2061076
G010YR24HR	13A6200B	GEE	12.33	365.38	5.901	3429449
G025YR24HR	13A6200B	GEE	12.33	464.39	7.582	4406564
G100YR24HR	13A6200B	GEE	12.33	637.77	10.560	6137486
G002YR24HR	13A6201B	GEE	12.07	16.74	3.614	93660
G010YR24HR	13A6201B	GEE	12.07	26.99	5.978	154944
G025YR24HR	13A6201B	GEE	12.07	34.17	7.665	198655
G100YR24HR	13A6201B	GEE	12.07	46.76	10.651	276045
G002YR24HR	13B0200B	GEE	12.75	3.65	1.167	48077
G010YR24HR	13B0200B	GEE	12.67	9.73	2.789	114919
G025YR24HR	13B0200B	GEE	12.67	14.71	4.110	169349
G100YR24HR	13B0200B	GEE	12.67	24.13	6.636	273422
G002YR24HR	13B0400B	GEE	14.57	0.16	0.105	5438
G010YR24HR	13B0400B	GEE	12.33	3.89	0.728	37529
G025YR24HR	13B0400B	GEE	12.13	9.61	1.417	73075
G100YR24HR	13B0400B	GEE	12.10	25.14	2.985	153992
G002YR24HR	13B0500B	GEE	12.37	0.95	0.333	11954
G010YR24HR	13B0500B	GEE	12.13	6.52	1.285	46123
G025YR24HR	13B0500B	GEE	12.10	12.87	2.198	78904
G100YR24HR	13B0500B	GEE	12.10	26.36	4.126	148129
G002YR24HR	13B0710B	GEE	12.23	49.31	2.637	379009
G010YR24HR	13B0710B	GEE	12.23	90.33	4.839	695608
G025YR24HR	13B0710B	GEE	12.23	119.65	6.456	928007
G100YR24HR	13B0710B	GEE	12.23	171.20	9.361	1345691
G002YR24HR	13B0740B	GEE	12.10	4.49	1.866	24582
G010YR24HR	13B0740B	GEE	12.10	9.37	3.827	50426
G025YR24HR	13B0740B	GEE	12.07	13.04	5.328	70211
G100YR24HR	13B0740B	GEE	12.07	19.66	8.093	106642
G002YR24HR	13C0100B	GEE	12.29	13.73	2.368	110901
G010YR24HR	13C0100B	GEE	12.29	26.25	4.500	210701
G025YR24HR	13C0100B	GEE	12.29	35.32	6.083	284869
G100YR24HR	13C0100B	GEE	12.29	51.37	8.950	419091
G002YR24HR	13C0500B	GEE	12.07	9.60	2.823	51751
G010YR24HR	13C0500B	GEE	12.07	16.99	5.068	92908
G025YR24HR	13C0500B	GEE	12.07	22.21	6.704	122898
G100YR24HR	13C0500B	GEE	12.07	31.36	9.633	176585
G002YR24HR	13C0600B	GEE	12.07	25.48	3.666	143186
G010YR24HR	13C0600B	GEE	12.07	40.88	6.035	235728
G025YR24HR	13C0600B	GEE	12.07	51.68	7.724	301676
G100YR24HR	13C0600B	GEE	12.07	70.62	10.712	418385
G002YR24HR	13C0800B	GEE	12.07	2.06	2.728	11091
G010YR24HR	13C0800B	GEE	12.07	3.69	4.952	20134
G025YR24HR	13C0800B	GEE	12.07	4.86	6.579	26748
G100YR24HR	13C0800B	GEE	12.07	6.89	9.497	38611
G002YR24HR	13C1000B	GEE	12.07	13.74	3.622	76919
G010YR24HR	13C1000B	GEE	12.07	22.13	5.987	127147
G025YR24HR	13C1000B	GEE	12.07	28.02	7.674	162968
G100YR24HR	13C1000B	GEE	12.07	38.33	10.661	226383
G002YR24HR	13C1001B	GEE	12.07	5.85	2.731	31521
G010YR24HR	13C1001B	GEE	12.07	10.50	4.956	57204
G025YR24HR	13C1001B	GEE	12.07	13.79	6.583	75986
G100YR24HR	13C1001B	GEE	12.07	19.57	9.501	109672
G002YR24HR	13C1100B	GEE	12.07	17.22	3.632	96502
G010YR24HR	13C1100B	GEE	12.07	27.72	5.998	159375
G025YR24HR	13C1100B	GEE	12.07	35.08	7.685	204206
G100YR24HR	13C1100B	GEE	12.07	47.98	10.672	283567
G002YR24HR	13C1120B	GEE	12.16	40.78	2.917	270241
G010YR24HR	13C1120B	GEE	12.16	71.44	5.181	479993
G025YR24HR	13C1120B	GEE	12.16	93.10	6.826	632324
G100YR24HR	13C1120B	GEE	12.16	131.00	9.764	904527
G002YR24HR	13C1200B	GEE	12.07	8.95	3.622	50096
G010YR24HR	13C1200B	GEE	12.07	14.41	5.987	82809
G025YR24HR	13C1200B	GEE	12.07	18.25	7.674	106138

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13C1200B	GEE	12.07	24.96	10.661	147439
G002YR24HR	13C1201B	GEE	12.07	8.83	2.728	47531
G010YR24HR	13C1201B	GEE	12.07	15.84	4.952	86288
G025YR24HR	13C1201B	GEE	12.07	20.81	6.579	114633
G100YR24HR	13C1201B	GEE	12.07	29.53	9.497	165474
G002YR24HR	13C1300B	GEE	12.07	10.78	3.734	60990
G010YR24HR	13C1300B	GEE	12.07	17.20	6.109	99786
G025YR24HR	13C1300B	GEE	12.07	21.70	7.799	127403
G100YR24HR	13C1300B	GEE	12.07	29.61	10.790	176253
G002YR24HR	13C1301B	GEE	12.07	4.69	2.728	25251
G010YR24HR	13C1301B	GEE	12.07	8.41	4.952	45841
G025YR24HR	13C1301B	GEE	12.07	11.05	6.579	60899
G100YR24HR	13C1301B	GEE	12.07	15.69	9.497	87908
G002YR24HR	13C1350B	GEE	14.25	46.90	2.130	1202542
G010YR24HR	13C1350B	GEE	14.17	94.67	4.187	2363644
G025YR24HR	13C1350B	GEE	14.17	130.42	5.736	3237720
G100YR24HR	13C1350B	GEE	14.17	194.83	8.558	4831255
G002YR24HR	13C1370B	GEE	16.77	14.10	1.145	86252
G010YR24HR	13C1370B	GEE	16.77	37.65	2.755	207531
G025YR24HR	13C1370B	GEE	16.77	56.59	4.070	306550
G100YR24HR	13C1370B	GEE	16.77	92.17	6.587	496184
G002YR24HR	13C1400B	GEE	12.07	10.48	2.728	56443
G010YR24HR	13C1400B	GEE	12.07	18.80	4.952	102467
G025YR24HR	13C1400B	GEE	12.07	24.71	6.579	136127
G100YR24HR	13C1400B	GEE	12.07	35.06	9.497	196500
G002YR24HR	13C1700B	GEE	12.07	10.01	2.728	53868
G010YR24HR	13C1700B	GEE	12.07	17.95	4.952	97793
G025YR24HR	13C1700B	GEE	12.07	23.58	6.579	129917
G100YR24HR	13C1700B	GEE	12.07	33.46	9.497	187537
G002YR24HR	13C1800B	GEE	12.07	18.85	2.728	101499
G010YR24HR	13C1800B	GEE	12.07	33.81	4.952	184261
G025YR24HR	13C1800B	GEE	12.07	44.44	6.579	244789
G100YR24HR	13C1800B	GEE	12.07	63.05	9.497	353356
G002YR24HR	13C1801B	GEE	12.50	16.19	1.811	162955
G010YR24HR	13C1801B	GEE	12.50	34.70	3.749	337365
G025YR24HR	13C1801B	GEE	12.50	48.67	5.238	471389
G100YR24HR	13C1801B	GEE	12.50	73.95	7.987	718708
G002YR24HR	13C1802B	GEE	12.92	13.44	1.027	211842
G010YR24HR	13C1802B	GEE	12.83	38.39	2.563	528722
G025YR24HR	13C1802B	GEE	12.83	59.46	3.835	791174
G100YR24HR	13C1802B	GEE	12.83	99.93	6.294	1298318
G002YR24HR	13C1850B	GEE	13.00	28.19	3.219	423051
G010YR24HR	13C1850B	GEE	13.00	47.89	5.535	727272
G025YR24HR	13C1850B	GEE	13.00	61.76	7.200	946160
G100YR24HR	13C1850B	GEE	13.00	86.06	10.162	1335396
G002YR24HR	13C1851B	GEE	12.07	4.54	2.728	24459
G010YR24HR	13C1851B	GEE	12.07	8.15	4.952	44402
G025YR24HR	13C1851B	GEE	12.07	10.71	6.579	58988
G100YR24HR	13C1851B	GEE	12.07	15.19	9.497	85150
G002YR24HR	13C1900B	GEE	12.10	5.55	2.190	29974
G010YR24HR	13C1900B	GEE	12.07	10.85	4.268	58403
G025YR24HR	13C1900B	GEE	12.07	14.73	5.826	79732
G100YR24HR	13C1900B	GEE	12.07	21.64	8.662	118542
G002YR24HR	13C1901B	GEE	14.70	6.15	1.069	116381
G010YR24HR	13C1901B	GEE	14.62	17.14	2.632	286555
G025YR24HR	13C1901B	GEE	14.62	26.35	3.920	426758
G100YR24HR	13C1901B	GEE	14.53	44.04	6.401	696786
G002YR24HR	13C2200B	GEE	12.50	18.58	1.864	181477
G010YR24HR	13C2200B	GEE	12.50	39.18	3.825	372358
G025YR24HR	13C2200B	GEE	12.42	54.82	5.326	518512
G100YR24HR	13C2200B	GEE	12.42	83.13	8.090	787637
G002YR24HR	13C2220B	GEE	12.10	9.79	1.264	57981
G010YR24HR	13C2220B	GEE	12.10	24.69	2.942	134995
G025YR24HR	13C2220B	GEE	12.10	36.50	4.295	197055
G100YR24HR	13C2220B	GEE	12.07	58.52	6.864	314947
G002YR24HR	13C2240B	GEE	12.13	4.59	0.803	33045

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13C2240B	GEE	12.10	15.63	2.186	89898
G025YR24HR	13C2240B	GEE	12.10	25.06	3.369	138546
G100YR24HR	13C2240B	GEE	12.10	43.38	5.701	234475
G002YR24HR	13C2260B	GEE	12.10	15.78	1.362	91604
G010YR24HR	13C2260B	GEE	12.10	38.25	3.093	208075
G025YR24HR	13C2260B	GEE	12.10	55.84	4.475	301004
G100YR24HR	13C2260B	GEE	12.07	88.51	7.083	476453
G002YR24HR	13C2280B	GEE	12.27	74.72	1.544	592122
G010YR24HR	13C2280B	GEE	12.27	172.15	3.366	1291015
G025YR24HR	13C2280B	GEE	12.27	247.35	4.796	1839458
G100YR24HR	13C2280B	GEE	12.20	385.36	7.469	2864424
G002YR24HR	13C2400B	GEE	12.07	41.97	3.203	228678
G010YR24HR	13C2400B	GEE	12.07	70.67	5.516	393887
G025YR24HR	13C2400B	GEE	12.07	90.79	7.182	512817
G100YR24HR	13C2400B	GEE	12.07	125.98	10.145	724357
G002YR24HR	13C2401B	GEE	12.10	15.04	1.269	89021
G010YR24HR	13C2401B	GEE	12.10	37.86	2.951	206956
G025YR24HR	13C2401B	GEE	12.10	55.93	4.305	301935
G100YR24HR	13C2401B	GEE	12.07	89.61	6.877	482295
G002YR24HR	13C2402B	GEE	12.22	31.24	1.981	216582
G010YR24HR	13C2402B	GEE	12.17	64.43	3.986	435809
G025YR24HR	13C2402B	GEE	12.17	89.15	5.509	602368
G100YR24HR	13C2402B	GEE	12.17	133.48	8.302	907659
G002YR24HR	13D0170B	GEE	12.13	19.35	2.877	117695
G010YR24HR	13D0170B	GEE	12.13	33.98	5.133	209997
G025YR24HR	13D0170B	GEE	12.13	44.32	6.774	277126
G100YR24HR	13D0170B	GEE	12.13	62.43	9.708	397169
G002YR24HR	13D0310B	GEE	12.07	2.02	2.748	10873
G010YR24HR	13D0310B	GEE	12.07	3.61	4.977	19691
G025YR24HR	13D0310B	GEE	12.07	4.74	6.606	26136
G100YR24HR	13D0310B	GEE	12.07	6.72	9.526	37690
G002YR24HR	13D0330B	GEE	12.24	49.20	2.716	358671
G010YR24HR	13D0330B	GEE	12.24	88.56	4.937	652004
G025YR24HR	13D0330B	GEE	12.24	116.56	6.562	866627
G100YR24HR	13D0330B	GEE	12.18	165.83	9.478	1251680
G002YR24HR	13D0610B	GEE	12.18	26.85	2.728	188639
G010YR24HR	13D0610B	GEE	12.18	48.44	4.952	342456
G025YR24HR	13D0610B	GEE	12.18	63.80	6.579	454950
G100YR24HR	13D0610B	GEE	12.18	90.76	9.497	656725
G002YR24HR	13D0630B	GEE	12.07	6.84	2.728	36837
G010YR24HR	13D0630B	GEE	12.07	12.27	4.952	66873
G025YR24HR	13D0630B	GEE	12.07	16.13	6.579	88841
G100YR24HR	13D0630B	GEE	12.07	22.88	9.497	128242
G002YR24HR	13D0750B	GEE	12.07	8.94	2.728	48125
G010YR24HR	13D0750B	GEE	12.07	16.03	4.952	87367
G025YR24HR	13D0750B	GEE	12.07	21.07	6.579	116066
G100YR24HR	13D0750B	GEE	12.07	29.90	9.497	167542
G002YR24HR	13D0751B	GEE	12.16	38.21	2.851	253024
G010YR24HR	13D0751B	GEE	12.16	67.56	5.102	452800
G025YR24HR	13D0751B	GEE	12.16	88.34	6.740	598227
G100YR24HR	13D0751B	GEE	12.16	124.72	9.672	858417
G002YR24HR	13D0801B	GEE	12.42	34.18	2.522	320023
G010YR24HR	13D0801B	GEE	12.42	63.77	4.696	595735
G025YR24HR	13D0801B	GEE	12.42	85.06	6.299	799124
G100YR24HR	13D0801B	GEE	12.42	122.60	9.188	1165671
G002YR24HR	13D0802B	GEE	12.13	22.07	2.692	137303
G010YR24HR	13D0802B	GEE	12.13	39.87	4.908	250320
G025YR24HR	13D0802B	GEE	12.13	52.55	6.531	333091
G100YR24HR	13D0802B	GEE	12.13	74.78	9.444	481669
G002YR24HR	13F0400B	GEE	12.50	90.08	3.422	946914
G010YR24HR	13F0400B	GEE	12.50	148.93	5.766	1595214
G025YR24HR	13F0400B	GEE	12.50	190.21	7.443	2059372
G100YR24HR	13F0400B	GEE	12.50	262.43	10.419	2882690
G002YR24HR	13F0401B	GEE	13.50	9.34	2.991	178277
G010YR24HR	13F0401B	GEE	13.42	16.40	5.268	314003
G025YR24HR	13F0401B	GEE	13.42	21.42	6.918	412324
G100YR24HR	13F0401B	GEE	13.42	30.25	9.861	587780

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13F0410B	GEE	12.10	14.37	2.214	77632
G010YR24HR	13F0410B	GEE	12.07	27.99	4.299	150743
G025YR24HR	13F0410B	GEE	12.07	37.96	5.861	205523
G100YR24HR	13F0410B	GEE	12.07	55.64	8.701	305123
G002YR24HR	13F0420B	GEE	12.10	14.68	2.406	79054
G010YR24HR	13F0420B	GEE	12.07	27.67	4.549	149448
G025YR24HR	13F0420B	GEE	12.07	37.05	6.139	201666
G100YR24HR	13F0420B	GEE	12.07	53.60	9.012	296067
G002YR24HR	13F0430B	GEE	12.16	57.72	3.464	390286
G010YR24HR	13F0430B	GEE	12.16	94.62	5.813	654925
G025YR24HR	13F0430B	GEE	12.16	120.47	7.493	844233
G100YR24HR	13F0430B	GEE	12.16	165.71	10.472	1179879
G002YR24HR	13F0440B	GEE	12.07	1.93	4.343	11982
G010YR24HR	13F0440B	GEE	12.07	2.99	6.744	18606
G025YR24HR	13F0440B	GEE	12.07	3.74	8.445	23297
G100YR24HR	13F0440B	GEE	12.07	5.06	11.446	31577
G002YR24HR	13F0450B	GEE	12.75	10.83	2.776	137033
G010YR24HR	13F0450B	GEE	12.75	19.50	5.010	247330
G025YR24HR	13F0450B	GEE	12.75	25.69	6.641	327840
G100YR24HR	13F0450B	GEE	12.75	36.56	9.563	472100
G002YR24HR	13F0750B	GEE	12.10	4.29	1.284	25310
G010YR24HR	13F0750B	GEE	12.10	10.73	2.974	58616
G025YR24HR	13F0750B	GEE	12.10	15.82	4.333	85398
G100YR24HR	13F0750B	GEE	12.07	25.31	6.910	136208
G002YR24HR	13F0760B	GEE	12.10	3.50	1.088	21806
G010YR24HR	13F0760B	GEE	12.10	9.64	2.664	53377
G025YR24HR	13F0760B	GEE	12.10	14.61	3.959	79328
G100YR24HR	13F0760B	GEE	12.10	24.01	6.450	129237
G002YR24HR	13F0770B	GEE	12.75	3.55	0.942	49314
G010YR24HR	13F0770B	GEE	12.67	10.66	2.422	126776
G025YR24HR	13F0770B	GEE	12.67	16.73	3.662	191666
G100YR24HR	13F0770B	GEE	12.67	28.43	6.074	317950
G002YR24HR	13F1000B	GEE	12.37	20.41	1.355	180376
G010YR24HR	13F1000B	GEE	12.37	49.83	3.082	410369
G025YR24HR	13F1000B	GEE	12.29	73.37	4.461	593990
G100YR24HR	13F1000B	GEE	12.29	117.24	7.066	940804
G002YR24HR	13F1001B	GEE	12.33	8.46	1.380	69790
G010YR24HR	13F1001B	GEE	12.26	20.51	3.121	157819
G025YR24HR	13F1001B	GEE	12.26	30.07	4.508	227927
G100YR24HR	13F1001B	GEE	12.26	47.79	7.122	360144
G002YR24HR	13F1110B	GEE	12.37	0.38	0.315	5084
G010YR24HR	13F1110B	GEE	12.13	2.80	1.247	20091
G025YR24HR	13F1110B	GEE	12.10	5.59	2.146	34589
G100YR24HR	13F1110B	GEE	12.10	11.58	4.053	65324
G002YR24HR	13F1120B	GEE	12.30	1.02	0.645	8407
G010YR24HR	13F1120B	GEE	12.10	4.15	1.902	24788
G025YR24HR	13F1120B	GEE	12.10	6.96	3.009	39215
G100YR24HR	13F1120B	GEE	12.10	12.53	5.231	68175
G002YR24HR	13F1130B	GEE	12.58	3.03	0.726	39396
G010YR24HR	13F1130B	GEE	12.50	10.71	2.049	111131
G025YR24HR	13F1130B	GEE	12.50	17.60	3.196	173325
G100YR24HR	13F1130B	GEE	12.50	31.20	5.476	296969
G002YR24HR	13F1150B	GEE	12.50	6.15	1.254	60849
G010YR24HR	13F1150B	GEE	12.42	15.77	2.925	141983
G025YR24HR	13F1150B	GEE	12.42	23.45	4.274	207420
G100YR24HR	13F1150B	GEE	12.33	37.82	6.836	331794
G002YR24HR	13F1154B	GEE	12.92	0.93	0.413	18393
G010YR24HR	13F1154B	GEE	12.67	4.97	1.453	64681
G025YR24HR	13F1154B	GEE	12.67	9.14	2.424	107870
G100YR24HR	13F1154B	GEE	12.58	18.07	4.441	197620
G002YR24HR	13F1158B	GEE	12.42	1.32	0.539	15079
G010YR24HR	13F1158B	GEE	12.30	5.79	1.704	47619
G025YR24HR	13F1158B	GEE	12.24	10.06	2.753	76951
G100YR24HR	13F1158B	GEE	12.24	18.87	4.890	136672
G002YR24HR	13F1170B	GEE	12.23	5.08	0.939	39542
G010YR24HR	13F1170B	GEE	12.18	15.37	2.418	101809

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13F1170B	GEE	12.13	24.02	3.657	154002
G100YR24HR	13F1170B	GEE	12.13	40.83	6.070	255610
G002YR24HR	13F1300B	GEE	12.07	11.97	2.887	64560
G010YR24HR	13F1300B	GEE	12.07	20.98	5.145	115057
G025YR24HR	13F1300B	GEE	12.07	27.35	6.787	151769
G100YR24HR	13F1300B	GEE	12.07	38.48	9.723	217406
G002YR24HR	13F1301B	GEE	12.10	2.27	1.137	13952
G010YR24HR	13F1301B	GEE	12.10	6.10	2.743	33650
G025YR24HR	13F1301B	GEE	12.10	9.18	4.054	49746
G100YR24HR	13F1301B	GEE	12.10	14.97	6.568	80591
G002YR24HR	13F1320B	GEE	12.07	5.21	2.728	28023
G010YR24HR	13F1320B	GEE	12.07	9.34	4.952	50874
G025YR24HR	13F1320B	GEE	12.07	12.27	6.579	67586
G100YR24HR	13F1320B	GEE	12.07	17.41	9.497	97561
G002YR24HR	13F1324B	GEE	12.67	15.17	1.765	170776
G010YR24HR	13F1324B	GEE	12.58	33.03	3.684	356544
G025YR24HR	13F1324B	GEE	12.58	46.62	5.164	499782
G100YR24HR	13F1324B	GEE	12.58	71.29	7.901	764642
G002YR24HR	13F1340B	GEE	12.17	12.56	2.495	85127
G010YR24HR	13F1340B	GEE	12.17	23.49	4.662	159071
G025YR24HR	13F1340B	GEE	12.17	31.35	6.263	213692
G100YR24HR	13F1340B	GEE	12.17	45.20	9.150	312204
G002YR24HR	13F1360B	GEE	12.07	7.67	2.728	41293
G010YR24HR	13F1360B	GEE	12.07	13.76	4.952	74963
G025YR24HR	13F1360B	GEE	12.07	18.08	6.579	99587
G100YR24HR	13F1360B	GEE	12.07	25.65	9.497	143756
G002YR24HR	13F1374B	GEE	12.16	11.06	1.875	73990
G010YR24HR	13F1374B	GEE	12.16	23.30	3.840	151512
G025YR24HR	13F1374B	GEE	12.16	32.47	5.343	210821
G100YR24HR	13F1374B	GEE	12.16	48.97	8.109	319980
G002YR24HR	13F1378B	GEE	12.40	6.14	0.862	59370
G010YR24HR	13F1378B	GEE	12.33	19.39	2.287	157497
G025YR24HR	13F1378B	GEE	12.26	30.76	3.495	240682
G100YR24HR	13F1378B	GEE	12.26	53.10	5.863	403766
G002YR24HR	13F1380B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13F1380B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13F1380B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13F1380B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13F1400B	GEE	12.24	11.95	2.724	87119
G010YR24HR	13F1400B	GEE	12.24	21.48	4.947	158213
G025YR24HR	13F1400B	GEE	12.24	28.26	6.573	210214
G100YR24HR	13F1400B	GEE	12.18	40.19	9.490	303492
G002YR24HR	13F1404B	GEE	12.07	8.04	2.793	43287
G010YR24HR	13F1404B	GEE	12.07	14.28	5.031	77986
G025YR24HR	13F1404B	GEE	12.07	18.70	6.664	103300
G100YR24HR	13F1404B	GEE	12.07	26.44	9.590	148643
G002YR24HR	13F1420B	GEE	12.07	3.83	2.652	20603
G010YR24HR	13F1420B	GEE	12.07	6.94	4.859	37746
G025YR24HR	13F1420B	GEE	12.07	9.16	6.478	50322
G100YR24HR	13F1420B	GEE	12.07	13.06	9.387	72916
G002YR24HR	13F1440B	GEE	12.07	7.39	3.008	39966
G010YR24HR	13F1440B	GEE	12.07	12.74	5.290	70276
G025YR24HR	13F1440B	GEE	12.07	16.51	6.941	92221
G100YR24HR	13F1440B	GEE	12.07	23.10	9.888	131374
G002YR24HR	13F1500B	GEE	12.10	10.16	1.446	58144
G010YR24HR	13F1500B	GEE	12.10	23.89	3.220	129515
G025YR24HR	13F1500B	GEE	12.10	34.54	4.625	186012
G100YR24HR	13F1500B	GEE	12.07	54.24	7.264	292159
G002YR24HR	13G0400B	GEE	12.07	3.58	3.108	19408
G010YR24HR	13G0400B	GEE	12.07	6.09	5.407	33761
G025YR24HR	13G0400B	GEE	12.07	7.86	7.067	44121
G100YR24HR	13G0400B	GEE	12.07	10.94	10.022	62573
G002YR24HR	13G0500B	GEE	12.07	4.71	3.071	25525
G010YR24HR	13G0500B	GEE	12.07	8.06	5.363	44581
G025YR24HR	13G0500B	GEE	12.07	10.41	7.020	58352
G100YR24HR	13G0500B	GEE	12.07	14.53	9.972	82894

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13G0501B	GEE	12.50	17.73	3.018	177925
G010YR24HR	13G0501B	GEE	12.50	30.74	5.299	312405
G025YR24HR	13G0501B	GEE	12.50	39.91	6.950	409733
G100YR24HR	13G0501B	GEE	12.50	55.98	9.895	583332
G002YR24HR	13G0600B	GEE	12.07	8.99	2.885	48493
G010YR24HR	13G0600B	GEE	12.07	15.76	5.143	86442
G025YR24HR	13G0600B	GEE	12.07	20.55	6.785	114032
G100YR24HR	13G0600B	GEE	12.07	28.92	9.720	163364
G002YR24HR	13G1200B	GEE	12.07	88.23	3.652	495275
G010YR24HR	13G1200B	GEE	12.07	141.75	6.020	816422
G025YR24HR	13G1200B	GEE	12.07	179.27	7.708	1045333
G100YR24HR	13G1200B	GEE	12.07	245.06	10.695	1450488
G002YR24HR	13G1201B	GEE	12.22	5.08	1.555	36635
G010YR24HR	13G1201B	GEE	12.17	11.63	3.383	79691
G025YR24HR	13G1201B	GEE	12.17	16.74	4.815	113446
G100YR24HR	13G1201B	GEE	12.17	26.12	7.492	176494
G002YR24HR	13G1202B	GEE	12.07	44.91	2.752	241811
G010YR24HR	13G1202B	GEE	12.07	80.27	4.981	437758
G025YR24HR	13G1202B	GEE	12.07	105.35	6.610	580930
G100YR24HR	13G1202B	GEE	12.07	149.29	9.531	837603
G002YR24HR	13G2200B	GEE	12.24	8.62	3.035	63125
G010YR24HR	13G2200B	GEE	12.24	14.84	5.321	110667
G025YR24HR	13G2200B	GEE	12.18	19.24	6.974	145059
G100YR24HR	13G2200B	GEE	12.18	26.96	9.923	206389
G002YR24HR	13G2201B	GEE	12.24	17.21	1.821	129842
G010YR24HR	13G2201B	GEE	12.24	36.72	3.765	268384
G025YR24HR	13G2201B	GEE	12.24	51.41	5.257	374778
G100YR24HR	13G2201B	GEE	12.24	77.91	8.010	571036
G002YR24HR	13H0100B	GEE	12.10	54.31	1.759	299893
G010YR24HR	13H0100B	GEE	12.10	116.39	3.677	626871
G025YR24HR	13H0100B	GEE	12.07	163.33	5.157	879113
G100YR24HR	13H0100B	GEE	12.07	248.64	7.894	1345665
G002YR24HR	13H0101B	GEE	12.16	19.76	2.533	128350
G010YR24HR	13H0101B	GEE	12.16	36.58	4.709	238648
G025YR24HR	13H0101B	GEE	12.16	48.65	6.314	319980
G100YR24HR	13H0101B	GEE	12.16	69.88	9.206	466521
G002YR24HR	13H0150B	GEE	12.10	19.07	2.308	102795
G010YR24HR	13H0150B	GEE	12.07	36.53	4.422	196956
G025YR24HR	13H0150B	GEE	12.07	49.23	5.998	267154
G100YR24HR	13H0150B	GEE	12.07	71.68	8.855	394417
G002YR24HR	13H0200B	GEE	12.10	44.50	2.071	241381
G010YR24HR	13H0200B	GEE	12.07	88.97	4.108	478843
G025YR24HR	13H0200B	GEE	12.07	121.93	5.647	658248
G100YR24HR	13H0200B	GEE	12.07	180.68	8.459	986007
G002YR24HR	13H0220B	GEE	12.07	5.33	3.617	29803
G010YR24HR	13H0220B	GEE	12.07	8.58	5.982	49290
G025YR24HR	13H0220B	GEE	12.07	10.87	7.668	63188
G100YR24HR	13H0220B	GEE	12.07	14.87	10.654	87793
G002YR24HR	13H0240B	GEE	12.07	16.28	3.609	91061
G010YR24HR	13H0240B	GEE	12.07	26.26	5.974	150703
G025YR24HR	13H0240B	GEE	12.07	33.25	7.660	193247
G100YR24HR	13H0240B	GEE	12.07	45.51	10.646	268573
G002YR24HR	13H0300B	GEE	12.07	49.80	3.396	274187
G010YR24HR	13H0300B	GEE	12.07	82.05	5.737	463146
G025YR24HR	13H0300B	GEE	12.07	104.63	7.414	598515
G100YR24HR	13H0300B	GEE	12.07	144.13	10.389	838706
G002YR24HR	13H0320B	GEE	12.07	7.61	3.624	42626
G010YR24HR	13H0320B	GEE	12.07	12.26	5.990	70447
G025YR24HR	13H0320B	GEE	12.07	15.52	7.677	90287
G100YR24HR	13H0320B	GEE	12.07	21.23	10.663	125411
G002YR24HR	13H0340B	GEE	12.07	6.21	3.808	35385
G010YR24HR	13H0340B	GEE	12.07	9.84	6.188	57507
G025YR24HR	13H0340B	GEE	12.07	12.40	7.881	73238
G100YR24HR	13H0340B	GEE	12.07	16.88	10.874	101051
G002YR24HR	13H0350B	GEE	12.10	15.85	2.140	85770
G010YR24HR	13H0350B	GEE	12.07	31.27	4.201	168361
G025YR24HR	13H0350B	GEE	12.07	42.64	5.752	230503

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13H0350B	GEE	12.07	62.85	8.578	343762
G002YR24HR	13I0300B	GEE	12.33	21.92	3.533	190332
G010YR24HR	13I0300B	GEE	12.33	35.72	5.888	317164
G025YR24HR	13I0300B	GEE	12.33	45.39	7.569	407757
G100YR24HR	13I0300B	GEE	12.33	62.33	10.549	568264
G002YR24HR	13I0600B	GEE	12.07	205.88	2.948	1112110
G010YR24HR	13I0600B	GEE	12.07	358.00	5.218	1968555
G025YR24HR	13I0600B	GEE	12.07	465.23	6.865	2589894
G100YR24HR	13I0600B	GEE	12.07	652.76	9.806	3699560
G002YR24HR	13I0610B	GEE	12.10	6.56	1.884	35913
G010YR24HR	13I0610B	GEE	12.10	13.64	3.853	73430
G025YR24HR	13I0610B	GEE	12.07	18.96	5.358	102116
G100YR24HR	13I0610B	GEE	12.07	28.54	8.128	154894
G002YR24HR	13I0620B	GEE	12.50	8.39	0.980	89725
G010YR24HR	13I0620B	GEE	12.42	24.55	2.485	227563
G025YR24HR	13I0620B	GEE	12.42	38.15	3.739	342437
G100YR24HR	13I0620B	GEE	12.42	64.20	6.172	565269
G002YR24HR	13I0630B	GEE	12.75	49.26	3.053	606983
G010YR24HR	13I0630B	GEE	12.75	85.14	5.340	1061677
G025YR24HR	13I0630B	GEE	12.75	110.47	6.993	1390390
G100YR24HR	13I0630B	GEE	12.75	154.85	9.941	1976358
G002YR24HR	13I0631B	GEE	13.04	27.10	2.439	208725
G010YR24HR	13I0631B	GEE	12.97	51.16	4.590	392861
G025YR24HR	13I0631B	GEE	12.97	68.59	6.183	529235
G100YR24HR	13I0631B	GEE	12.97	99.38	9.061	775553
G002YR24HR	13I0640B	GEE	12.39	17.63	1.221	157817
G010YR24HR	13I0640B	GEE	12.32	45.58	2.875	371573
G025YR24HR	13I0640B	GEE	12.32	68.12	4.214	544596
G100YR24HR	13I0640B	GEE	12.32	110.39	6.765	874190
G002YR24HR	13I0660B	GEE	12.07	35.31	2.642	190052
G010YR24HR	13I0660B	GEE	12.07	64.16	4.846	348638
G025YR24HR	13I0660B	GEE	12.07	84.72	6.464	465027
G100YR24HR	13I0660B	GEE	12.07	120.80	9.371	674191
G002YR24HR	13I0900B	GEE	12.10	8.06	1.268	47688
G010YR24HR	13I0900B	GEE	12.10	20.29	2.949	110902
G025YR24HR	13I0900B	GEE	12.10	29.97	4.303	161818
G100YR24HR	13I0900B	GEE	12.07	48.03	6.874	258513
G002YR24HR	13I1000B	GEE	12.10	18.42	2.076	99908
G010YR24HR	13I1000B	GEE	12.07	36.80	4.115	198049
G025YR24HR	13I1000B	GEE	12.07	50.41	5.655	272174
G100YR24HR	13I1000B	GEE	12.07	74.67	8.467	407572
G002YR24HR	13I1200B	GEE	12.33	85.19	2.485	715523
G010YR24HR	13I1200B	GEE	12.33	159.56	4.649	1338687
G025YR24HR	13I1200B	GEE	12.33	213.11	6.249	1799212
G100YR24HR	13I1200B	GEE	12.33	307.57	9.134	2630002
G002YR24HR	13I1201B	GEE	12.50	53.90	2.618	516682
G010YR24HR	13I1201B	GEE	12.42	98.96	4.816	950416
G025YR24HR	13I1201B	GEE	12.42	131.36	6.430	1269041
G100YR24HR	13I1201B	GEE	12.42	188.41	9.333	1841942
G002YR24HR	13I1220B	GEE	12.42	17.56	2.472	158086
G010YR24HR	13I1220B	GEE	12.42	32.90	4.630	296131
G025YR24HR	13I1220B	GEE	12.42	43.95	6.226	398193
G100YR24HR	13I1220B	GEE	12.33	63.54	9.105	582360
G002YR24HR	13I1300B	GEE	12.10	11.29	2.066	61276
G010YR24HR	13I1300B	GEE	12.07	22.60	4.102	121646
G025YR24HR	13I1300B	GEE	12.07	30.99	5.640	167270
G100YR24HR	13I1300B	GEE	12.07	45.93	8.451	250634
G002YR24HR	13I1500B	GEE	12.58	6.80	3.190	75510
G010YR24HR	13I1500B	GEE	12.58	11.55	5.500	130171
G025YR24HR	13I1500B	GEE	12.58	14.90	7.163	169529
G100YR24HR	13I1500B	GEE	12.58	20.75	10.121	239544
G002YR24HR	13I1501B	GEE	12.42	104.09	2.783	923917
G010YR24HR	13I1501B	GEE	12.33	186.35	5.016	1665607
G025YR24HR	13I1501B	GEE	12.33	245.05	6.646	2206794
G100YR24HR	13I1501B	GEE	12.33	348.03	9.566	3176292
G002YR24HR	13I1502B	GEE	12.07	1.05	3.301	5753

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13I1502B	GEE	12.07	1.75	5.630	9809
G025YR24HR	13I1502B	GEE	12.07	2.24	7.301	12722
G100YR24HR	13I1502B	GEE	12.07	3.09	10.271	17896
G002YR24HR	13I1504B	GEE	12.07	2.19	3.301	11984
G010YR24HR	13I1504B	GEE	12.07	3.64	5.630	20436
G025YR24HR	13I1504B	GEE	12.07	4.66	7.301	26504
G100YR24HR	13I1504B	GEE	12.07	6.45	10.271	37283
G002YR24HR	13I1510B	GEE	12.67	17.61	2.394	196503
G010YR24HR	13I1510B	GEE	12.58	33.60	4.532	371931
G025YR24HR	13I1510B	GEE	12.58	45.25	6.118	502123
G100YR24HR	13I1510B	GEE	12.58	65.87	8.986	737545
G002YR24HR	13I1512B	GEE	12.67	2.41	2.394	26855
G010YR24HR	13I1512B	GEE	12.58	4.59	4.532	50830
G025YR24HR	13I1512B	GEE	12.58	6.18	6.118	68623
G100YR24HR	13I1512B	GEE	12.58	9.00	8.986	100797
G002YR24HR	13I1514B	GEE	12.33	93.75	3.063	809770
G010YR24HR	13I1514B	GEE	12.33	161.48	5.352	1414892
G025YR24HR	13I1514B	GEE	12.33	209.20	7.006	1852222
G100YR24HR	13I1514B	GEE	12.33	292.69	9.954	2631690
G002YR24HR	13I1540B	GEE	12.10	23.37	2.211	126227
G010YR24HR	13I1540B	GEE	12.07	45.53	4.295	245218
G025YR24HR	13I1540B	GEE	12.07	61.77	5.856	334392
G100YR24HR	13I1540B	GEE	12.07	90.56	8.696	496542
G002YR24HR	13I1560B	GEE	12.07	39.22	2.759	211186
G010YR24HR	13I1560B	GEE	12.07	70.02	4.990	382000
G025YR24HR	13I1560B	GEE	12.07	91.87	6.620	506774
G100YR24HR	13I1560B	GEE	12.07	130.14	9.541	730430
G002YR24HR	13J0300B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13J0300B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13J0300B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13J0300B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13J0320B	GEE	12.07	1.34	2.728	7229
G010YR24HR	13J0320B	GEE	12.07	2.41	4.952	13123
G025YR24HR	13J0320B	GEE	12.07	3.16	6.579	17434
G100YR24HR	13J0320B	GEE	12.07	4.49	9.497	25166
G002YR24HR	13J0340B	GEE	12.07	5.79	2.728	31192
G010YR24HR	13J0340B	GEE	12.07	10.39	4.952	56627
G025YR24HR	13J0340B	GEE	12.07	13.66	6.579	75228
G100YR24HR	13J0340B	GEE	12.07	19.38	9.497	108592
G002YR24HR	13J0341B	GEE	12.13	20.16	2.727	125438
G010YR24HR	13J0341B	GEE	12.13	36.23	4.951	227725
G025YR24HR	13J0341B	GEE	12.13	47.66	6.578	302533
G100YR24HR	13J0341B	GEE	12.13	67.69	9.495	436713
G002YR24HR	13J0401B	GEE	13.08	8.35	1.441	135605
G010YR24HR	13J0401B	GEE	13.00	20.01	3.213	302319
G025YR24HR	13J0401B	GEE	13.00	29.28	4.616	434331
G100YR24HR	13J0401B	GEE	13.00	46.52	7.253	682414
G002YR24HR	13J0402B	GEE	12.85	6.10	1.942	33280
G010YR24HR	13J0402B	GEE	12.85	12.52	3.933	67388
G025YR24HR	13J0402B	GEE	12.82	17.33	5.449	93368
G100YR24HR	13J0402B	GEE	12.82	25.95	8.233	141056
G002YR24HR	13J0600B	GEE	12.07	8.42	2.728	45353
G010YR24HR	13J0600B	GEE	12.07	15.11	4.952	82333
G025YR24HR	13J0600B	GEE	12.07	19.86	6.579	109379
G100YR24HR	13J0600B	GEE	12.07	28.17	9.497	157890
G002YR24HR	13J0640B	GEE	12.07	4.25	2.728	22874
G010YR24HR	13J0640B	GEE	12.07	7.62	4.952	41526
G025YR24HR	13J0640B	GEE	12.07	10.01	6.579	55167
G100YR24HR	13J0640B	GEE	12.07	14.21	9.497	79634
G002YR24HR	13J0800B	GEE	12.07	7.63	2.728	41095
G010YR24HR	13J0800B	GEE	12.07	13.69	4.952	74603
G025YR24HR	13J0800B	GEE	12.07	17.99	6.579	99110
G100YR24HR	13J0800B	GEE	12.07	25.53	9.497	143066
G002YR24HR	13J1000B	GEE	12.75	8.58	1.724	109814
G010YR24HR	13J1000B	GEE	12.75	18.91	3.626	230974
G025YR24HR	13J1000B	GEE	12.75	26.80	5.096	324676
G100YR24HR	13J1000B	GEE	12.75	41.15	7.821	498251

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13J1300B	GEE	12.42	6.29	2.616	58019
G010YR24HR	13J1300B	GEE	12.42	11.55	4.812	106724
G025YR24HR	13J1300B	GEE	12.42	15.31	6.425	142503
G100YR24HR	13J1300B	GEE	12.42	21.93	9.326	206835
G002YR24HR	13J1800B	GEE	12.19	23.94	2.330	166172
G010YR24HR	13J1800B	GEE	12.19	45.99	4.450	317408
G025YR24HR	13J1800B	GEE	12.19	61.99	6.029	430026
G100YR24HR	13J1800B	GEE	12.19	90.30	8.889	634060
G002YR24HR	13J1820B	GEE	12.10	1.41	2.273	7591
G010YR24HR	13J1820B	GEE	12.07	2.71	4.377	14616
G025YR24HR	13J1820B	GEE	12.07	3.66	5.948	19863
G100YR24HR	13J1820B	GEE	12.07	5.35	8.799	29384
G002YR24HR	13J1821B	GEE	12.33	7.39	2.924	61889
G010YR24HR	13J1821B	GEE	12.33	12.94	5.190	109833
G025YR24HR	13J1821B	GEE	12.33	16.87	6.835	144643
G100YR24HR	13J1821B	GEE	12.33	23.75	9.774	206837
G002YR24HR	13J1822B	GEE	12.67	10.40	1.668	117061
G010YR24HR	13J1822B	GEE	12.58	23.24	3.547	248888
G025YR24HR	13J1822B	GEE	12.58	33.08	5.006	351285
G100YR24HR	13J1822B	GEE	12.58	51.05	7.717	541468
G002YR24HR	13J1900B	GEE	12.07	7.95	3.572	44344
G010YR24HR	13J1900B	GEE	12.07	12.87	5.932	73647
G025YR24HR	13J1900B	GEE	12.07	16.32	7.617	94564
G100YR24HR	13J1900B	GEE	12.07	22.36	10.601	131611
G002YR24HR	13J2200B	GEE	12.25	112.02	2.987	873807
G010YR24HR	13J2200B	GEE	12.25	194.87	5.265	1539901
G025YR24HR	13J2200B	GEE	12.25	253.35	6.914	2022501
G100YR24HR	13J2200B	GEE	12.25	355.67	9.859	2883782
G002YR24HR	13J2220B	GEE	12.67	35.49	2.704	405042
G010YR24HR	13J2220B	GEE	12.67	64.35	4.922	737225
G025YR24HR	13J2220B	GEE	12.67	84.96	6.546	980376
G100YR24HR	13J2220B	GEE	12.58	121.29	9.459	1416711
G002YR24HR	13J2221B	GEE	12.07	12.32	3.516	68406
G010YR24HR	13J2221B	GEE	12.07	20.05	5.870	114217
G025YR24HR	13J2221B	GEE	12.07	25.47	7.553	146953
G100YR24HR	13J2221B	GEE	12.07	34.95	10.534	204964
G002YR24HR	13J2222B	GEE	12.07	19.44	3.448	107399
G010YR24HR	13J2222B	GEE	12.07	31.85	5.795	180494
G025YR24HR	13J2222B	GEE	12.07	40.55	7.475	232799
G100YR24HR	13J2222B	GEE	12.07	55.76	10.453	325552
G002YR24HR	13J2231B	GEE	12.07	1.50	3.601	8366
G010YR24HR	13J2231B	GEE	12.07	2.42	5.964	13856
G025YR24HR	13J2231B	GEE	12.07	3.06	7.650	17773
G100YR24HR	13J2231B	GEE	12.07	4.19	10.636	24709
G002YR24HR	13J2232B	GEE	12.50	32.97	3.403	331207
G010YR24HR	13J2232B	GEE	12.50	54.50	5.742	558808
G025YR24HR	13J2232B	GEE	12.50	69.59	7.417	721818
G100YR24HR	13J2232B	GEE	12.50	96.01	10.388	1011011
G002YR24HR	13J2233B	GEE	12.83	18.73	3.163	254206
G010YR24HR	13J2233B	GEE	12.83	32.02	5.470	439611
G025YR24HR	13J2233B	GEE	12.83	41.39	7.132	573221
G100YR24HR	13J2233B	GEE	12.83	57.79	10.091	811005
G002YR24HR	13J2234B	GEE	12.42	12.90	2.467	119261
G010YR24HR	13J2234B	GEE	12.42	24.25	4.624	223579
G025YR24HR	13J2234B	GEE	12.42	32.45	6.220	300727
G100YR24HR	13J2234B	GEE	12.42	46.91	9.099	439959
G002YR24HR	13K0250B	GEE	12.07	7.90	3.763	44804
G010YR24HR	13K0250B	GEE	12.07	12.57	6.140	73109
G025YR24HR	13K0250B	GEE	12.07	15.85	7.832	93250
G100YR24HR	13K0250B	GEE	12.07	21.60	10.823	128867
G002YR24HR	13K0400B	GEE	12.07	10.37	3.759	58805
G010YR24HR	13K0400B	GEE	12.07	16.51	6.136	95994
G025YR24HR	13K0400B	GEE	12.07	20.82	7.827	122457
G100YR24HR	13K0400B	GEE	12.07	28.38	10.818	169257
G002YR24HR	13K0550B	GEE	12.07	10.22	3.612	57160
G010YR24HR	13K0550B	GEE	12.07	16.48	5.976	94579

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13K0550B	GEE	12.07	20.86	7.662	121269
G100YR24HR	13K0550B	GEE	12.07	28.55	10.648	168526
G002YR24HR	13K0751B	GEE	12.07	45.72	2.851	246504
G010YR24HR	13K0751B	GEE	12.07	80.57	5.102	441133
G025YR24HR	13K0751B	GEE	12.07	105.20	6.740	582812
G100YR24HR	13K0751B	GEE	12.07	148.31	9.672	836299
G002YR24HR	13K0752B	GEE	12.07	13.93	3.508	77306
G010YR24HR	13K0752B	GEE	12.07	22.69	5.862	129168
G025YR24HR	13K0752B	GEE	12.07	28.83	7.544	166233
G100YR24HR	13K0752B	GEE	12.07	39.57	10.526	231920
G002YR24HR	13K0900B	GEE	12.07	16.25	3.338	89177
G010YR24HR	13K0900B	GEE	12.07	26.95	5.671	151509
G025YR24HR	13K0900B	GEE	12.07	34.44	7.345	196224
G100YR24HR	13K0900B	GEE	12.07	47.54	10.316	275619
G002YR24HR	13K1150B	GEE	12.07	17.48	2.746	94100
G010YR24HR	13K1150B	GEE	12.07	31.26	4.975	170463
G025YR24HR	13K1150B	GEE	12.07	41.04	6.603	226270
G100YR24HR	13K1150B	GEE	12.07	58.18	9.523	326330
G002YR24HR	13K1300B	GEE	12.20	18.89	2.594	135295
G010YR24HR	13K1300B	GEE	12.20	34.78	4.785	249626
G025YR24HR	13K1300B	GEE	12.20	46.16	6.397	333704
G100YR24HR	13K1300B	GEE	12.20	66.17	9.297	484966
G002YR24HR	13K1500B	GEE	12.07	9.62	2.728	51789
G010YR24HR	13K1500B	GEE	12.07	17.25	4.952	94018
G025YR24HR	13K1500B	GEE	12.07	22.67	6.579	124902
G100YR24HR	13K1500B	GEE	12.07	32.17	9.497	180298
G002YR24HR	13K1600B	GEE	12.10	14.42	2.160	77999
G010YR24HR	13K1600B	GEE	12.07	28.36	4.227	152667
G025YR24HR	13K1600B	GEE	12.07	38.61	5.781	208786
G100YR24HR	13K1600B	GEE	12.07	56.82	8.611	311000
G002YR24HR	13K1650B	GEE	12.07	13.20	3.300	72244
G010YR24HR	13K1650B	GEE	12.07	21.97	5.628	123201
G025YR24HR	13K1650B	GEE	12.07	28.11	7.300	159790
G100YR24HR	13K1650B	GEE	12.07	38.86	10.269	224786
G002YR24HR	13K1900B	GEE	12.42	31.27	1.468	283451
G010YR24HR	13K1900B	GEE	12.33	73.66	3.253	628246
G025YR24HR	13K1900B	GEE	12.33	107.04	4.664	900627
G100YR24HR	13K1900B	GEE	12.33	168.63	7.310	1411750
G002YR24HR	13K2200B	GEE	12.07	96.39	2.769	519135
G010YR24HR	13K2200B	GEE	12.07	171.86	5.002	937889
G025YR24HR	13K2200B	GEE	12.07	225.35	6.633	1243654
G100YR24HR	13K2200B	GEE	12.07	319.05	9.556	1791616
G002YR24HR	13K2240B	GEE	12.07	23.68	3.661	133011
G010YR24HR	13K2240B	GEE	12.07	38.01	6.029	219085
G025YR24HR	13K2240B	GEE	12.07	48.06	7.718	280430
G100YR24HR	13K2240B	GEE	12.07	65.68	10.705	388996
G002YR24HR	13K2280B	GEE	12.37	11.26	0.939	101753
G010YR24HR	13K2280B	GEE	12.31	33.74	2.417	262002
G025YR24HR	13K2280B	GEE	12.24	52.85	3.656	396328
G100YR24HR	13K2280B	GEE	12.24	89.75	6.069	657837
G002YR24HR	13K3050B	GEE	12.07	34.96	2.724	188190
G010YR24HR	13K3050B	GEE	12.07	62.73	4.948	341790
G025YR24HR	13K3050B	GEE	12.07	82.45	6.574	454140
G100YR24HR	13K3050B	GEE	12.07	117.02	9.492	655673
G002YR24HR	13K3200B	GEE	12.42	34.17	3.767	323812
G010YR24HR	13K3200B	GEE	12.33	54.52	6.141	527911
G025YR24HR	13K3200B	GEE	12.33	68.82	7.831	673121
G100YR24HR	13K3200B	GEE	12.33	93.92	10.818	929901
G002YR24HR	13K4050B	GEE	12.10	35.09	2.073	190331
G010YR24HR	13K4050B	GEE	12.07	70.13	4.111	377433
G025YR24HR	13K4050B	GEE	12.07	96.09	5.651	518770
G100YR24HR	13K4050B	GEE	12.07	142.36	8.463	776960
G002YR24HR	13K4200B	GEE	12.13	19.98	1.635	127791
G010YR24HR	13K4200B	GEE	12.13	44.77	3.499	273499
G025YR24HR	13K4200B	GEE	12.13	63.71	4.952	386982
G100YR24HR	13K4200B	GEE	12.13	98.21	7.653	598095

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13K4400B	GEE	12.07	24.63	3.563	137225
G010YR24HR	13K4400B	GEE	12.07	39.90	5.922	228099
G025YR24HR	13K4400B	GEE	12.07	50.60	7.607	292976
G100YR24HR	13K4400B	GEE	12.07	69.33	10.591	407892
G002YR24HR	13L0020B	GEE	12.07	11.74	2.752	63225
G010YR24HR	13L0020B	GEE	12.07	20.99	4.981	114457
G025YR24HR	13L0020B	GEE	12.07	27.54	6.610	151891
G100YR24HR	13L0020B	GEE	12.07	39.03	9.531	219001
G002YR24HR	13L0040B	GEE	12.20	75.92	3.257	568120
G010YR24HR	13L0040B	GEE	12.20	127.68	5.579	973104
G025YR24HR	13L0040B	GEE	12.20	164.01	7.248	1264218
G100YR24HR	13L0040B	GEE	12.20	227.52	10.215	1781638
G002YR24HR	13L0060B	GEE	12.07	8.00	3.449	44199
G010YR24HR	13L0060B	GEE	12.07	13.11	5.796	74274
G025YR24HR	13L0060B	GEE	12.07	16.68	7.476	95794
G100YR24HR	13L0060B	GEE	12.07	22.94	10.454	133955
G002YR24HR	13L0080B	GEE	12.07	27.06	3.826	154594
G010YR24HR	13L0080B	GEE	12.07	42.85	6.208	250825
G025YR24HR	13L0080B	GEE	12.07	53.95	7.902	319241
G100YR24HR	13L0080B	GEE	12.07	73.45	10.895	440181
G002YR24HR	13L0200B	GEE	12.19	42.33	2.738	291898
G010YR24HR	13L0200B	GEE	12.19	76.05	4.964	529246
G025YR24HR	13L0200B	GEE	12.19	100.02	6.592	702756
G100YR24HR	13L0200B	GEE	12.19	142.06	9.510	1013904
G002YR24HR	13L0400B	GEE	12.07	9.00	3.236	49108
G010YR24HR	13L0400B	GEE	12.07	15.09	5.555	84292
G025YR24HR	13L0400B	GEE	12.07	19.36	7.223	109598
G100YR24HR	13L0400B	GEE	12.07	26.83	10.188	154588
G002YR24HR	13L0800B	GEE	12.42	96.62	2.842	878312
G010YR24HR	13L0800B	GEE	12.42	171.21	5.088	1572621
G025YR24HR	13L0800B	GEE	12.42	224.10	6.724	2078126
G100YR24HR	13L0800B	GEE	12.42	316.81	9.651	2982635
G002YR24HR	13L0820B	GEE	12.25	35.46	3.093	277103
G010YR24HR	13L0820B	GEE	12.25	60.83	5.389	482785
G025YR24HR	13L0820B	GEE	12.25	78.69	7.047	631313
G100YR24HR	13L0820B	GEE	12.25	109.92	10.000	895927
G002YR24HR	13L1000B	GEE	12.07	240.21	3.573	1339338
G010YR24HR	13L1000B	GEE	12.07	388.71	5.934	2224065
G025YR24HR	13L1000B	GEE	12.07	492.76	7.619	2855570
G100YR24HR	13L1000B	GEE	12.07	675.04	10.603	3974038
G002YR24HR	13L1001B	GEE	12.83	12.19	2.566	156268
G010YR24HR	13L1001B	GEE	12.75	22.64	4.750	289322
G025YR24HR	13L1001B	GEE	12.75	30.19	6.358	387287
G100YR24HR	13L1001B	GEE	12.75	43.52	9.254	563650
G002YR24HR	13L1020B	GEE	12.33	34.31	3.122	301006
G010YR24HR	13L1020B	GEE	12.33	58.70	5.421	522636
G025YR24HR	13L1020B	GEE	12.33	75.86	7.079	682527
G100YR24HR	13L1020B	GEE	12.33	105.88	10.032	967244
G002YR24HR	13L1200B	GEE	12.07	147.80	3.371	812489
G010YR24HR	13L1200B	GEE	12.07	244.15	5.709	1375801
G025YR24HR	13L1200B	GEE	12.07	311.63	7.384	1779588
G100YR24HR	13L1200B	GEE	12.07	429.67	10.358	2496246
G002YR24HR	13L1201B	GEE	12.75	5.23	1.659	65984
G010YR24HR	13L1201B	GEE	12.75	11.70	3.533	140549
G025YR24HR	13L1201B	GEE	12.75	16.66	4.990	198512
G100YR24HR	13L1201B	GEE	12.67	25.81	7.697	306215
G002YR24HR	13L1202B	Scenario1	12.32	11.51	1.961	96161
G010YR24HR	13L1202B	Scenario1	12.32	23.82	3.958	194128
G025YR24HR	13L1202B	Scenario1	12.32	32.99	5.478	268657
G100YR24HR	13L1202B	Scenario1	12.32	49.44	8.266	405366
G002YR24HR	13L1203B	GEE	12.32	1.86	2.989	15191
G010YR24HR	13L1203B	GEE	12.32	3.23	5.267	26767
G025YR24HR	13L1203B	GEE	12.32	4.20	6.917	35154
G100YR24HR	13L1203B	GEE	12.24	5.89	9.862	50121
G002YR24HR	13L1700B	GEE	12.07	94.26	3.201	513539
G010YR24HR	13L1700B	GEE	12.07	158.74	5.514	884729
G025YR24HR	13L1700B	GEE	12.07	203.98	7.180	1151953

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13L1700B	GEE	12.07	283.04	10.142	1627277
G002YR24HR	13L1825B	GEE	12.07	0.85	3.202	4649
G010YR24HR	13L1825B	GEE	12.07	1.44	5.515	8008
G025YR24HR	13L1825B	GEE	12.07	1.85	7.181	10427
G100YR24HR	13L1825B	GEE	12.07	2.56	10.143	14728
G002YR24HR	13L1829B	GEE	12.23	33.46	3.721	265849
G010YR24HR	13L1829B	GEE	12.23	53.57	6.095	435391
G025YR24HR	13L1829B	GEE	12.23	67.68	7.784	556103
G100YR24HR	13L1829B	GEE	12.23	92.43	10.773	769637
G002YR24HR	13L1875B	GEE	12.25	69.47	3.861	604015
G010YR24HR	13L1875B	GEE	12.25	110.03	6.243	976769
G025YR24HR	13L1875B	GEE	12.25	138.54	7.936	1241658
G100YR24HR	13L1875B	GEE	12.25	188.62	10.929	1709807
G002YR24HR	13L1876B	GEE	12.33	91.60	3.136	760352
G010YR24HR	13L1876B	GEE	12.33	155.93	5.438	1318535
G025YR24HR	13L1876B	GEE	12.25	201.17	7.098	1721088
G100YR24HR	13L1876B	GEE	12.25	280.77	10.053	2437780
G002YR24HR	13L1877B	Scenario1	12.19	50.30	3.006	347903
G010YR24HR	13L1877B	Scenario1	12.19	87.04	5.287	611828
G025YR24HR	13L1877B	Scenario1	12.19	112.92	6.938	802930
G100YR24HR	13L1877B	Scenario1	12.19	158.20	9.884	1143873
G002YR24HR	13L1878B	Scenario1	12.26	25.88	3.006	195656
G010YR24HR	13L1878B	Scenario1	12.26	44.77	5.287	344087
G025YR24HR	13L1878B	Scenario1	12.26	58.08	6.938	451561
G100YR24HR	13L1878B	Scenario1	12.26	81.37	9.884	643306
G002YR24HR	13L1895B	GEE	12.07	16.10	3.471	89082
G010YR24HR	13L1895B	GEE	12.07	26.32	5.821	149380
G025YR24HR	13L1895B	GEE	12.07	33.47	7.501	192508
G100YR24HR	13L1895B	GEE	12.07	46.00	10.480	268968
G002YR24HR	13L1950B	GEE	12.18	101.17	3.866	748006
G010YR24HR	13L1950B	GEE	12.18	160.00	6.251	1209346
G025YR24HR	13L1950B	GEE	12.18	201.36	7.945	1537176
G100YR24HR	13L1950B	GEE	12.18	274.02	10.939	2116554
G002YR24HR	13L1951B	GEE	12.07	7.89	3.199	42962
G010YR24HR	13L1951B	GEE	12.07	13.28	5.512	74030
G025YR24HR	13L1951B	GEE	12.07	17.07	7.177	96398
G100YR24HR	13L1951B	GEE	12.07	23.69	10.140	136186
G002YR24HR	13L1952B	GEE	12.50	69.00	3.130	678891
G010YR24HR	13L1952B	GEE	12.42	117.74	5.431	1177907
G025YR24HR	13L1952B	GEE	12.42	152.26	7.090	1537843
G100YR24HR	13L1952B	GEE	12.42	212.64	10.045	2178711
G002YR24HR	13L1975B	GEE	12.33	21.95	3.520	185657
G010YR24HR	13L1975B	GEE	12.25	35.84	5.873	309790
G025YR24HR	13L1975B	GEE	12.25	45.59	7.555	398482
G100YR24HR	13L1975B	GEE	12.25	62.67	10.535	555640
G002YR24HR	13L2050B	GEE	12.07	33.64	3.735	190345
G010YR24HR	13L2050B	GEE	12.07	53.67	6.110	311392
G025YR24HR	13L2050B	GEE	12.07	67.72	7.801	397560
G100YR24HR	13L2050B	GEE	12.07	92.38	10.791	549974
G002YR24HR	13L2051B	GEE	12.18	16.12	3.007	113419
G010YR24HR	13L2051B	GEE	12.18	27.95	5.288	199456
G025YR24HR	13L2051B	GEE	12.18	36.28	6.940	261752
G100YR24HR	13L2051B	GEE	12.18	50.87	9.887	372894
G002YR24HR	13L2052B	Scenario1	12.29	12.55	3.005	100914
G010YR24HR	13L2052B	Scenario1	12.29	21.76	5.285	177473
G025YR24HR	13L2052B	Scenario1	12.29	28.25	6.936	232909
G100YR24HR	13L2052B	Scenario1	12.29	39.61	9.882	331811
G002YR24HR	13L2053B	Scenario1	12.33	36.58	3.020	320400
G010YR24HR	13L2053B	Scenario1	12.33	63.43	5.301	562449
G025YR24HR	13L2053B	Scenario1	12.33	82.37	6.952	737618
G100YR24HR	13L2053B	Scenario1	12.33	115.52	9.896	1050048
G002YR24HR	13L2151B	GEE	12.07	9.08	3.007	49123
G010YR24HR	13L2151B	GEE	12.07	15.67	5.288	86386
G025YR24HR	13L2151B	GEE	12.07	20.30	6.940	113367
G100YR24HR	13L2151B	GEE	12.07	28.40	9.887	161504
G002YR24HR	13L2152B	Scenario1	12.12	33.12	3.005	212519

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13L2152B	Scenario1	12.12	57.37	5.285	373749
G025YR24HR	13L2152B	Scenario1	12.12	74.46	6.936	490493
G100YR24HR	13L2152B	Scenario1	12.12	104.36	9.882	698775
G002YR24HR	13L2300B	GEE	12.07	6.65	3.222	36252
G010YR24HR	13L2300B	GEE	12.07	11.17	5.538	62321
G025YR24HR	13L2300B	GEE	12.07	14.34	7.205	81078
G100YR24HR	13L2300B	GEE	12.07	19.88	10.169	114432
G002YR24HR	13L2400B	GEE	12.07	8.62	3.007	46612
G010YR24HR	13L2400B	GEE	12.07	14.86	5.288	81971
G025YR24HR	13L2400B	GEE	12.07	19.26	6.940	107573
G100YR24HR	13L2400B	GEE	12.07	26.95	9.887	153249
G002YR24HR	13L2500B	GEE	12.19	33.81	3.517	239116
G010YR24HR	13L2500B	GEE	12.19	55.11	5.871	399178
G025YR24HR	13L2500B	GEE	12.19	70.04	7.553	513550
G100YR24HR	13L2500B	GEE	12.19	96.17	10.534	716223
G002YR24HR	13L2520B	GEE	12.13	21.82	2.140	133937
G010YR24HR	13L2520B	GEE	12.13	43.29	4.201	262911
G025YR24HR	13L2520B	GEE	12.13	59.04	5.752	359952
G100YR24HR	13L2520B	GEE	12.13	87.05	8.578	536817
G002YR24HR	13L2540B	GEE	12.07	10.09	3.763	57234
G010YR24HR	13L2540B	GEE	12.07	16.05	6.140	93392
G025YR24HR	13L2540B	GEE	12.07	20.24	7.832	119121
G100YR24HR	13L2540B	GEE	12.07	27.59	10.823	164620
G002YR24HR	13L2560B	GEE	12.13	27.31	3.219	167889
G010YR24HR	13L2560B	GEE	12.13	45.91	5.535	288708
G025YR24HR	13L2560B	GEE	12.13	58.97	7.201	375645
G100YR24HR	13L2560B	GEE	12.13	81.79	10.165	530246
G002YR24HR	13L2700B	GEE	12.12	10.91	3.345	64596
G010YR24HR	13L2700B	GEE	12.12	18.06	5.679	109670
G025YR24HR	13L2700B	GEE	12.08	23.10	7.353	141999
G100YR24HR	13L2700B	GEE	12.08	31.90	10.325	199396
G002YR24HR	13L2720B	GEE	12.07	10.67	3.018	57730
G010YR24HR	13L2720B	GEE	12.07	18.38	5.301	101405
G025YR24HR	13L2720B	GEE	12.07	23.81	6.953	133019
G100YR24HR	13L2720B	GEE	12.07	33.29	9.901	189410
G002YR24HR	13L2750B	GEE	12.19	53.39	3.593	379628
G010YR24HR	13L2750B	GEE	12.19	86.37	5.955	629219
G025YR24HR	13L2750B	GEE	12.19	109.50	7.640	807308
G100YR24HR	13L2750B	GEE	12.19	150.00	10.624	1122668
G002YR24HR	13L3000B	GEE	12.07	3.81	3.600	21300
G010YR24HR	13L3000B	GEE	12.07	6.15	5.963	35283
G025YR24HR	13L3000B	GEE	12.07	7.79	7.649	45259
G100YR24HR	13L3000B	GEE	12.07	10.67	10.634	62923
G002YR24HR	13L3140B	GEE	12.20	61.17	3.183	440109
G010YR24HR	13L3140B	GEE	12.20	103.64	5.493	759500
G025YR24HR	13L3140B	GEE	12.20	133.47	7.157	989536
G100YR24HR	13L3140B	GEE	12.20	185.63	10.117	1398807
G002YR24HR	13M0400B	GEE	12.92	24.91	3.226	354787
G010YR24HR	13M0400B	GEE	12.92	42.25	5.541	609482
G025YR24HR	13M0400B	GEE	12.92	54.46	7.207	792704
G100YR24HR	13M0400B	GEE	12.92	75.84	10.169	1118482
G002YR24HR	13M0500B	GEE	12.07	7.26	2.978	39236
G010YR24HR	13M0500B	GEE	12.07	12.57	5.253	69224
G025YR24HR	13M0500B	GEE	12.07	16.31	6.903	90958
G100YR24HR	13M0500B	GEE	12.07	22.86	9.847	129752
G002YR24HR	13M0600B	GEE	12.33	35.46	3.379	318424
G010YR24HR	13M0600B	GEE	12.33	58.83	5.714	538485
G025YR24HR	13M0600B	GEE	12.33	75.23	7.388	696179
G100YR24HR	13M0600B	GEE	12.33	103.91	10.357	976018
G002YR24HR	13M0601B	GEE	12.42	8.17	2.871	75253
G010YR24HR	13M0601B	GEE	12.42	14.44	5.124	134298
G025YR24HR	13M0601B	GEE	12.42	18.88	6.763	177243
G100YR24HR	13M0601B	GEE	12.42	26.66	9.693	254042
G002YR24HR	13M0850B	GEE	12.07	2.77	3.064	15015
G010YR24HR	13M0850B	GEE	12.07	4.75	5.355	26243
G025YR24HR	13M0850B	GEE	12.07	6.13	7.011	34358
G100YR24HR	13M0850B	GEE	12.07	8.56	9.963	48823

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13M0950B	GEE	12.07	12.62	3.506	70005
G010YR24HR	13M0950B	GEE	12.07	20.56	5.860	116993
G025YR24HR	13M0950B	GEE	12.07	26.12	7.542	150575
G100YR24HR	13M0950B	GEE	12.07	35.85	10.523	210092
G002YR24HR	13M0990B	GEE	12.07	14.90	3.481	82524
G010YR24HR	13M0990B	GEE	12.07	24.34	5.832	138245
G025YR24HR	13M0990B	GEE	12.07	30.94	7.513	178089
G100YR24HR	13M0990B	GEE	12.07	42.51	10.493	248722
G002YR24HR	13M1200B	GEE	12.07	3.42	3.506	18965
G010YR24HR	13M1200B	GEE	12.07	5.57	5.860	31694
G025YR24HR	13M1200B	GEE	12.07	7.07	7.542	40792
G100YR24HR	13M1200B	GEE	12.07	9.71	10.523	56916
G002YR24HR	13M1400B	GEE	12.07	5.12	3.506	28384
G010YR24HR	13M1400B	GEE	12.07	8.33	5.860	47435
G025YR24HR	13M1400B	GEE	12.07	10.59	7.542	61051
G100YR24HR	13M1400B	GEE	12.07	14.53	10.523	85183
G002YR24HR	13M1500B	GEE	12.07	9.59	3.471	53046
G010YR24HR	13M1500B	GEE	12.07	15.67	5.821	88952
G025YR24HR	13M1500B	GEE	12.07	19.93	7.501	114633
G100YR24HR	13M1500B	GEE	12.07	27.39	10.480	160163
G002YR24HR	13M1520B	GEE	12.07	11.24	3.516	62408
G010YR24HR	13M1520B	GEE	12.07	18.30	5.870	104202
G025YR24HR	13M1520B	GEE	12.07	23.24	7.553	134067
G100YR24HR	13M1520B	GEE	12.07	31.89	10.534	186991
G002YR24HR	13M1800B	GEE	12.07	102.58	3.677	577088
G010YR24HR	13M1800B	GEE	12.07	164.44	6.047	949123
G025YR24HR	13M1800B	GEE	12.07	207.82	7.736	1214199
G100YR24HR	13M1800B	GEE	12.07	283.90	10.724	1683269
G002YR24HR	13M1925B	GEE	12.13	23.65	3.845	152558
G010YR24HR	13M1925B	GEE	12.13	37.42	6.228	247110
G025YR24HR	13M1925B	GEE	12.13	47.09	7.922	314316
G100YR24HR	13M1925B	GEE	12.13	64.09	10.916	433104
G002YR24HR	13M2110B	GEE	12.07	7.78	2.830	41920
G010YR24HR	13M2110B	GEE	12.07	13.75	5.077	75195
G025YR24HR	13M2110B	GEE	12.07	17.97	6.714	99435
G100YR24HR	13M2110B	GEE	12.07	25.36	9.643	142821
G002YR24HR	13M2130B	GEE	13.00	26.44	2.390	392068
G010YR24HR	13M2130B	GEE	13.00	50.69	4.528	742706
G025YR24HR	13M2130B	GEE	13.00	68.35	6.114	1003005
G100YR24HR	13M2130B	GEE	13.00	99.70	8.984	1473780
G002YR24HR	13M2150B	GEE	12.10	24.23	2.447	130461
G010YR24HR	13M2150B	GEE	12.07	45.38	4.601	245321
G025YR24HR	13M2150B	GEE	12.07	60.62	6.195	330359
G100YR24HR	13M2150B	GEE	12.07	87.46	9.075	483925
G002YR24HR	13M2210B	GEE	12.07	3.29	2.841	17736
G010YR24HR	13M2210B	GEE	12.07	5.81	5.089	31777
G025YR24HR	13M2210B	GEE	12.07	7.59	6.727	42001
G100YR24HR	13M2210B	GEE	12.07	10.70	9.658	60298
G002YR24HR	13M2230B	GEE	12.07	1.60	2.976	8642
G010YR24HR	13M2230B	GEE	12.07	2.77	5.251	15249
G025YR24HR	13M2230B	GEE	12.07	3.59	6.900	20039
G100YR24HR	13M2230B	GEE	12.07	5.04	9.844	28588
G002YR24HR	13M2250B	GEE	12.07	1.40	3.075	7589
G010YR24HR	13M2250B	GEE	12.07	2.39	5.368	13249
G025YR24HR	13M2250B	GEE	12.07	3.09	7.024	17339
G100YR24HR	13M2250B	GEE	12.07	4.32	9.977	24627
G002YR24HR	13M2254B	GEE	12.24	24.28	3.628	197650
G010YR24HR	13M2254B	GEE	12.24	39.23	5.992	326500
G025YR24HR	13M2254B	GEE	12.24	49.71	7.679	418378
G100YR24HR	13M2254B	GEE	12.24	68.07	10.664	581027
G002YR24HR	13M2270B	GEE	12.07	2.12	3.107	11502
G010YR24HR	13M2270B	GEE	12.07	3.61	5.405	20013
G025YR24HR	13M2270B	GEE	12.07	4.66	7.064	26156
G100YR24HR	13M2270B	GEE	12.07	6.49	10.019	37098
G002YR24HR	13M2290B	GEE	12.07	1.34	3.040	7283
G010YR24HR	13M2290B	GEE	12.07	2.31	5.327	12762

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13M2290B	GEE	12.07	2.99	6.981	16725
G100YR24HR	13M2290B	GEE	12.07	4.18	9.931	23792
G002YR24HR	13M2330B	GEE	12.07	11.03	3.513	61205
G010YR24HR	13M2330B	GEE	12.07	17.95	5.867	102224
G025YR24HR	13M2330B	GEE	12.07	22.80	7.549	131537
G100YR24HR	13M2330B	GEE	12.07	31.29	10.531	183484
G002YR24HR	13M2331B	GEE	12.07	10.17	2.914	54906
G010YR24HR	13M2331B	GEE	12.07	17.77	5.178	97553
G025YR24HR	13M2331B	GEE	12.07	23.13	6.822	128528
G100YR24HR	13M2331B	GEE	12.07	32.50	9.760	183880
G002YR24HR	13M2332B	GEE	12.12	13.22	3.398	80304
G010YR24HR	13M2332B	GEE	12.12	21.78	5.739	135613
G025YR24HR	13M2332B	GEE	12.12	27.78	7.415	175233
G100YR24HR	13M2332B	GEE	12.12	38.28	10.390	245532
G002YR24HR	13M2334B	GEE	12.07	8.16	3.614	45650
G010YR24HR	13M2334B	GEE	12.07	13.15	5.978	75519
G025YR24HR	13M2334B	GEE	12.07	16.66	7.665	96823
G100YR24HR	13M2334B	GEE	12.07	22.79	10.651	134543
G002YR24HR	13M2335B	GEE	12.07	7.88	3.099	42744
G010YR24HR	13M2335B	GEE	12.07	13.43	5.396	74431
G025YR24HR	13M2335B	GEE	12.07	17.34	7.055	97310
G100YR24HR	13M2335B	GEE	12.07	24.16	10.009	138067
G002YR24HR	13M2340B	GEE	12.24	24.30	3.514	182005
G010YR24HR	13M2340B	GEE	12.18	39.70	5.867	303930
G025YR24HR	13M2340B	GEE	12.18	50.50	7.549	391057
G100YR24HR	13M2340B	GEE	12.18	69.40	10.530	545454
G002YR24HR	13M2341B	GEE	12.29	15.59	3.134	125707
G010YR24HR	13M2341B	GEE	12.29	26.58	5.436	218051
G025YR24HR	13M2341B	GEE	12.29	34.31	7.097	284653
G100YR24HR	13M2341B	GEE	12.29	47.82	10.053	403233
G002YR24HR	13M2400B	GEE	12.07	26.57	3.294	145420
G010YR24HR	13M2400B	GEE	12.07	44.26	5.622	248142
G025YR24HR	13M2400B	GEE	12.07	56.66	7.293	321912
G100YR24HR	13M2400B	GEE	12.07	78.34	10.262	452964
G002YR24HR	13N0050B	GEE	12.10	21.40	2.382	115250
G010YR24HR	13N0050B	GEE	12.07	40.49	4.518	218596
G025YR24HR	13N0050B	GEE	12.07	54.31	6.104	295352
G100YR24HR	13N0050B	GEE	12.07	78.68	8.973	434207
G002YR24HR	13N0100B	GEE	12.07	26.99	2.563	145313
G010YR24HR	13N0100B	GEE	12.07	49.66	4.748	269189
G025YR24HR	13N0100B	GEE	12.07	65.86	6.356	360413
G100YR24HR	13N0100B	GEE	12.07	94.34	9.253	524659
G002YR24HR	13N0200B	GEE	12.07	8.62	3.841	49354
G010YR24HR	13N0200B	GEE	12.07	13.64	6.224	79973
G025YR24HR	13N0200B	GEE	12.07	17.17	7.917	101738
G100YR24HR	13N0200B	GEE	12.07	23.37	10.911	140210
G002YR24HR	13N0200B2	GEE	12.20	62.19	3.493	470395
G010YR24HR	13N0200B2	GEE	12.20	101.84	5.845	787145
G025YR24HR	13N0200B2	GEE	12.20	129.62	7.526	1013592
G100YR24HR	13N0200B2	GEE	12.20	178.24	10.507	1414967
G002YR24HR	13N0201B	GEE	12.83	3.01	1.220	41508
G010YR24HR	13N0201B	GEE	12.75	7.84	2.874	97742
G025YR24HR	13N0201B	GEE	12.75	11.76	4.212	143263
G100YR24HR	13N0201B	GEE	12.75	19.14	6.762	229981
G002YR24HR	13N0301B	GEE	12.29	17.72	2.724	142209
G010YR24HR	13N0301B	GEE	12.29	31.97	4.947	258239
G025YR24HR	13N0301B	GEE	12.29	42.11	6.573	343106
G100YR24HR	13N0301B	GEE	12.29	59.90	9.489	495334
G002YR24HR	13N0600B	GEE	12.23	39.63	2.719	304320
G010YR24HR	13N0600B	GEE	12.23	71.68	4.941	552970
G025YR24HR	13N0600B	GEE	12.23	94.50	6.566	734875
G100YR24HR	13N0600B	GEE	12.23	134.56	9.482	1061204
G002YR24HR	13N0650B	GEE	12.17	69.64	3.069	472089
G010YR24HR	13N0650B	GEE	12.17	119.63	5.361	824698
G025YR24HR	13N0650B	GEE	12.17	154.80	7.017	1079519
G100YR24HR	13N0650B	GEE	12.17	216.32	9.969	1533682

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13N0700B	GEE	12.07	11.49	3.998	67047
G010YR24HR	13N0700B	GEE	12.07	17.98	6.390	107157
G025YR24HR	13N0700B	GEE	12.07	22.56	8.087	135620
G100YR24HR	13N0700B	GEE	12.07	30.62	11.084	185891
G002YR24HR	13N0700B2	GEE	12.30	106.06	2.185	822404
G010YR24HR	13N0700B2	GEE	12.23	208.90	4.260	1603478
G025YR24HR	13N0700B2	GEE	12.23	284.99	5.817	2189641
G100YR24HR	13N0700B2	GEE	12.23	420.42	8.651	3256358
G002YR24HR	13N0701B	GEE	12.58	26.45	2.408	278957
G010YR24HR	13N0701B	GEE	12.58	50.21	4.550	527234
G025YR24HR	13N0701B	GEE	12.58	67.41	6.140	711391
G100YR24HR	13N0701B	GEE	12.50	98.08	9.013	1044299
G002YR24HR	13N0710B	GEE	12.07	22.83	3.090	123833
G010YR24HR	13N0710B	GEE	12.07	38.97	5.386	215833
G025YR24HR	13N0710B	GEE	12.07	50.31	7.044	282276
G100YR24HR	13N0710B	GEE	12.07	70.14	9.998	400657
G002YR24HR	13N0720B	GEE	12.07	15.96	3.007	86347
G010YR24HR	13N0720B	GEE	12.07	27.54	5.288	151848
G025YR24HR	13N0720B	GEE	12.07	35.68	6.940	199274
G100YR24HR	13N0720B	GEE	12.07	49.93	9.887	283888
G002YR24HR	13N0730B	GEE	12.25	26.35	3.006	205605
G010YR24HR	13N0730B	GEE	12.25	45.72	5.287	361580
G025YR24HR	13N0730B	GEE	12.25	59.39	6.938	474517
G100YR24HR	13N0730B	GEE	12.25	83.30	9.885	676007
G002YR24HR	13N0740B	GEE	12.50	13.01	3.006	135315
G010YR24HR	13N0740B	GEE	12.50	22.64	5.287	237962
G025YR24HR	13N0740B	GEE	12.50	29.44	6.938	312285
G100YR24HR	13N0740B	GEE	12.50	41.36	9.884	444883
G002YR24HR	13N0750B	GEE	12.07	7.40	3.212	40337
G010YR24HR	13N0750B	GEE	12.07	12.45	5.527	69415
G025YR24HR	13N0750B	GEE	12.07	15.99	7.193	90342
G100YR24HR	13N0750B	GEE	12.07	22.17	10.156	127560
G002YR24HR	13N0751B	GEE	12.19	71.75	3.006	496209
G010YR24HR	13N0751B	GEE	12.19	124.14	5.287	872642
G025YR24HR	13N0751B	GEE	12.19	161.06	6.938	1145208
G100YR24HR	13N0751B	GEE	12.19	225.64	9.884	1631490
G002YR24HR	13N0752B	GEE	12.07	16.01	2.977	86552
G010YR24HR	13N0752B	GEE	12.07	27.74	5.252	152718
G025YR24HR	13N0752B	GEE	12.07	35.99	6.902	200674
G100YR24HR	13N0752B	GEE	12.07	50.43	9.846	286276
G002YR24HR	13N0800B	GEE	12.07	10.21	3.137	55452
G010YR24HR	13N0800B	GEE	12.07	17.32	5.440	96172
G025YR24HR	13N0800B	GEE	12.07	22.32	7.101	125540
G100YR24HR	13N0800B	GEE	12.07	31.05	10.059	177827
G002YR24HR	13N0850B	GEE	12.07	10.84	3.715	61230
G010YR24HR	13N0850B	GEE	12.07	17.32	6.089	100346
G025YR24HR	13N0850B	GEE	12.07	21.87	7.779	128199
G100YR24HR	13N0850B	GEE	12.07	29.85	10.769	177472
G002YR24HR	13N0900B	GEE	12.07	14.09	2.839	75947
G010YR24HR	13N0900B	GEE	12.07	24.87	5.087	136099
G025YR24HR	13N0900B	GEE	12.07	32.49	6.725	179906
G100YR24HR	13N0900B	GEE	12.07	45.84	9.655	258301
G002YR24HR	13P0200B	GEE	12.07	19.89	2.750	107101
G010YR24HR	13P0200B	GEE	12.07	35.56	4.979	193930
G025YR24HR	13P0200B	GEE	12.07	46.68	6.608	257378
G100YR24HR	13P0200B	GEE	12.07	66.15	9.528	371128
G002YR24HR	13P0400B	GEE	12.07	3.81	2.677	20507
G010YR24HR	13P0400B	GEE	12.07	6.89	4.890	37455
G025YR24HR	13P0400B	GEE	12.07	9.07	6.512	49875
G100YR24HR	13P0400B	GEE	12.07	12.91	9.423	72176
G002YR24HR	13P0500B	GEE	12.10	24.51	2.456	131945
G010YR24HR	13P0500B	GEE	12.07	45.83	4.613	247804
G025YR24HR	13P0500B	GEE	12.07	61.18	6.208	333543
G100YR24HR	13P0500B	GEE	12.07	88.22	9.090	488336
G002YR24HR	13P0501B	GEE	12.07	9.50	3.140	51629
G010YR24HR	13P0501B	GEE	12.07	16.12	5.444	89514
G025YR24HR	13P0501B	GEE	12.07	20.76	7.105	116835

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13P0501B	GEE	12.07	28.89	10.063	165475
G002YR24HR	13P0502B	GEE	12.07	9.47	3.088	51340
G010YR24HR	13P0502B	GEE	12.07	16.16	5.383	89502
G025YR24HR	13P0502B	GEE	12.07	20.87	7.041	117064
G100YR24HR	13P0502B	GEE	12.07	29.09	9.995	166172
G002YR24HR	13P0800B	GEE	12.07	1.53	3.009	8302
G010YR24HR	13P0800B	GEE	12.07	2.65	5.291	14596
G025YR24HR	13P0800B	GEE	12.07	3.43	6.943	19153
G100YR24HR	13P0800B	GEE	12.07	4.80	9.890	27283
G002YR24HR	13P0900B	GEE	12.07	4.87	3.113	26445
G010YR24HR	13P0900B	GEE	12.07	8.29	5.413	45979
G025YR24HR	13P0900B	GEE	12.07	10.69	7.073	60076
G100YR24HR	13P0900B	GEE	12.07	14.89	10.028	85183
G002YR24HR	13P0950B	GEE	12.42	11.42	3.088	109641
G010YR24HR	13P0950B	GEE	12.42	19.65	5.383	191098
G025YR24HR	13P0950B	GEE	12.42	25.44	7.040	249926
G100YR24HR	13P0950B	GEE	12.42	35.58	9.992	354740
G002YR24HR	13P1000B	GEE	12.20	18.09	3.126	129933
G010YR24HR	13P1000B	GEE	12.20	30.87	5.427	225566
G025YR24HR	13P1000B	GEE	12.20	39.85	7.087	294557
G100YR24HR	13P1000B	GEE	12.20	55.56	10.043	417404
G002YR24HR	13P1250B	GEE	12.07	8.89	3.181	48381
G010YR24HR	13P1250B	GEE	12.07	15.00	5.491	83522
G025YR24HR	13P1250B	GEE	12.07	19.29	7.156	108835
G100YR24HR	13P1250B	GEE	12.07	26.80	10.117	153872
G002YR24HR	13P1300B	GEE	12.07	3.09	3.030	16719
G010YR24HR	13P1300B	GEE	12.07	5.31	5.316	29329
G025YR24HR	13P1300B	GEE	12.07	6.88	6.969	38452
G100YR24HR	13P1300B	GEE	12.07	9.61	9.918	54723
G002YR24HR	13P1650B	GEE	12.07	4.69	3.286	25649
G010YR24HR	13P1650B	GEE	12.07	7.82	5.612	43802
G025YR24HR	13P1650B	GEE	12.07	10.01	7.283	56842
G100YR24HR	13P1650B	GEE	12.07	13.84	10.252	80009
G002YR24HR	13P1800B	GEE	12.16	12.65	3.576	86184
G010YR24HR	13P1800B	GEE	12.16	20.50	5.936	143085
G025YR24HR	13P1800B	GEE	12.16	26.01	7.621	183699
G100YR24HR	13P1800B	GEE	12.16	35.65	10.606	255630
G002YR24HR	13P1801B	GEE	12.07	7.60	3.481	42083
G010YR24HR	13P1801B	GEE	12.07	12.41	5.832	70498
G025YR24HR	13P1801B	GEE	12.07	15.78	7.513	90817
G100YR24HR	13P1801B	GEE	12.07	21.68	10.493	126837
G002YR24HR	13P1810B	GEE	12.07	21.95	3.292	120113
G010YR24HR	13P1810B	GEE	12.07	36.57	5.619	205001
G025YR24HR	13P1810B	GEE	12.07	46.82	7.290	265966
G100YR24HR	13P1810B	GEE	12.07	64.74	10.259	374274
G002YR24HR	13P1814B	GEE	12.02	14.09	3.844	70885
G010YR24HR	13P1814B	GEE	12.02	22.25	6.227	114829
G025YR24HR	13P1814B	GEE	12.02	27.99	7.921	146064
G100YR24HR	13P1814B	GEE	12.02	38.08	10.915	201273
G002YR24HR	13P1826B	GEE	12.24	28.65	3.439	230572
G010YR24HR	13P1826B	GEE	12.24	47.20	5.784	387784
G025YR24HR	13P1826B	GEE	12.24	60.20	7.462	500300
G100YR24HR	13P1826B	GEE	12.24	82.95	10.438	699843
G002YR24HR	13P1900B	GEE	12.13	57.24	4.008	376826
G010YR24HR	13P1900B	GEE	12.13	89.57	6.400	601730
G025YR24HR	13P1900B	GEE	12.13	112.36	8.098	761312
G100YR24HR	13P1900B	GEE	12.13	152.48	11.095	1043149
G002YR24HR	13P1901B	GEE	12.07	5.96	3.059	32314
G010YR24HR	13P1901B	GEE	12.07	10.22	5.349	56508
G025YR24HR	13P1901B	GEE	12.07	13.21	7.005	73997
G100YR24HR	13P1901B	GEE	12.07	18.44	9.957	105174
G002YR24HR	13P1902B	GEE	12.07	4.48	3.839	25638
G010YR24HR	13P1902B	GEE	12.07	7.09	6.221	41552
G025YR24HR	13P1902B	GEE	12.07	8.92	7.915	52865
G100YR24HR	13P1902B	GEE	12.07	12.15	10.909	72861
G002YR24HR	13P1920B	GEE	12.07	22.01	3.828	125739

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13P1920B	GEE	12.07	34.85	6.209	203989
G025YR24HR	13P1920B	GEE	12.07	43.87	7.903	259620
G100YR24HR	13P1920B	GEE	12.07	59.72	10.896	357960
G002YR24HR	13P2010B	GEE	12.07	1.70	2.773	9162
G010YR24HR	13P2010B	GEE	12.07	3.03	5.008	16543
G025YR24HR	13P2010B	GEE	12.07	3.97	6.639	21931
G100YR24HR	13P2010B	GEE	12.07	5.62	9.562	31587
G002YR24HR	13P2014B	GEE	12.07	3.14	2.773	16908
G010YR24HR	13P2014B	GEE	12.07	5.59	5.007	30534
G025YR24HR	13P2014B	GEE	12.07	7.33	6.638	40481
G100YR24HR	13P2014B	GEE	12.07	10.38	9.561	58307
G002YR24HR	13P2050B	GEE	12.18	12.17	3.716	88634
G010YR24HR	13P2050B	GEE	12.18	19.48	6.090	145242
G025YR24HR	13P2050B	GEE	12.18	24.61	7.780	185550
G100YR24HR	13P2050B	GEE	12.18	33.60	10.770	256857
G002YR24HR	13P2250B	GEE	12.17	94.85	3.665	663174
G010YR24HR	13P2250B	GEE	12.17	152.49	6.034	1091893
G025YR24HR	13P2250B	GEE	12.17	192.90	7.722	1397416
G100YR24HR	13P2250B	GEE	12.17	263.76	10.710	1938110
G002YR24HR	13P2300B	GEE	12.07	20.20	3.416	111365
G010YR24HR	13P2300B	GEE	12.07	33.21	5.759	187743
G025YR24HR	13P2300B	GEE	12.07	42.32	7.437	242436
G100YR24HR	13P2300B	GEE	12.07	58.26	10.414	339456
G002YR24HR	13P2400B	GEE	12.07	13.97	3.330	76632
G010YR24HR	13P2400B	GEE	12.07	23.19	5.662	130300
G025YR24HR	13P2400B	GEE	12.07	29.64	7.335	168808
G100YR24HR	13P2400B	GEE	12.07	40.93	10.306	237189
G002YR24HR	13P2400BZ	GEE	12.07	10.32	3.650	57898
G010YR24HR	13P2400BZ	GEE	12.07	16.58	6.018	95460
G025YR24HR	13P2400BZ	GEE	12.07	20.97	7.706	122235
G100YR24HR	13P2400BZ	GEE	12.07	28.66	10.693	169624
G002YR24HR	13P2600B	GEE	12.24	590.28	3.539	4429139
G010YR24HR	13P2600B	GEE	12.18	962.18	5.895	7378510
G025YR24HR	13P2600B	GEE	12.18	1222.80	7.578	9485077
G100YR24HR	13P2600B	GEE	12.18	1679.11	10.560	13217228
G002YR24HR	13P2640B	GEE	12.07	18.94	3.381	104184
G010YR24HR	13P2640B	GEE	12.07	31.26	5.719	176257
G025YR24HR	13P2640B	GEE	12.07	39.88	7.395	227909
G100YR24HR	13P2640B	GEE	12.07	54.97	10.369	319572
G002YR24HR	13P2645B	GEE	12.07	9.48	3.495	52523
G010YR24HR	13P2645B	GEE	12.07	15.45	5.847	87872
G025YR24HR	13P2645B	GEE	12.07	19.64	7.529	113143
G100YR24HR	13P2645B	GEE	12.07	26.97	10.509	157934
G002YR24HR	13P2646B	GEE	12.07	23.77	3.629	133166
G010YR24HR	13P2646B	GEE	12.07	38.27	5.994	219992
G025YR24HR	13P2646B	GEE	12.07	48.44	7.682	281907
G100YR24HR	13P2646B	GEE	12.07	66.25	10.668	391511
G002YR24HR	13P2648B	GEE	12.07	52.75	2.924	284754
G010YR24HR	13P2648B	GEE	12.07	92.01	5.189	505398
G025YR24HR	13P2648B	GEE	12.07	119.71	6.834	665603
G100YR24HR	13P2648B	GEE	12.07	168.16	9.773	951842
G002YR24HR	13P2660B	GEE	12.10	45.11	2.550	242858
G010YR24HR	13P2660B	GEE	12.07	83.16	4.731	450637
G025YR24HR	13P2660B	GEE	12.07	110.38	6.338	603737
G100YR24HR	13P2660B	GEE	12.07	158.24	9.233	879481
G002YR24HR	13P2661B	GEE	12.10	21.46	1.193	129460
G010YR24HR	13P2661B	GEE	12.10	55.94	2.832	307231
G025YR24HR	13P2661B	GEE	12.10	83.49	4.162	451580
G100YR24HR	13P2661B	GEE	12.07	135.06	6.701	727093
G002YR24HR	13P2800B	GEE	12.25	223.38	3.181	1749547
G010YR24HR	13P2800B	GEE	12.25	378.97	5.491	3020061
G025YR24HR	13P2800B	GEE	12.25	488.28	7.155	3935200
G100YR24HR	13P2800B	GEE	12.25	679.44	10.116	5563438
G002YR24HR	13P2900B	GEE	12.25	34.95	3.094	273146
G010YR24HR	13P2900B	GEE	12.25	59.95	5.390	475843
G025YR24HR	13P2900B	GEE	12.25	77.55	7.048	622211
G100YR24HR	13P2900B	GEE	12.25	108.32	10.002	882972

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13P3400B	GEE	12.02	42.74	3.819	214445
G010YR24HR	13P3400B	GEE	12.02	67.64	6.200	348170
G025YR24HR	13P3400B	GEE	12.02	85.14	7.893	443252
G100YR24HR	13P3400B	GEE	12.02	115.89	10.886	611339
G002YR24HR	13Q0500B	GEE	12.07	7.35	3.175	39993
G010YR24HR	13Q0500B	GEE	12.07	12.41	5.485	69084
G025YR24HR	13Q0500B	GEE	12.07	15.97	7.148	90042
G100YR24HR	13Q0500B	GEE	12.07	22.18	10.109	127334
G002YR24HR	13Q0820B	GEE	12.26	60.34	3.162	458222
G010YR24HR	13Q0820B	GEE	12.26	102.33	5.469	792530
G025YR24HR	13Q0820B	GEE	12.26	131.84	7.132	1033455
G100YR24HR	13Q0820B	GEE	12.26	183.43	10.091	1462233
G002YR24HR	13Q0840B	GEE	12.07	7.79	4.068	45928
G010YR24HR	13Q0840B	GEE	12.07	12.15	6.463	72962
G025YR24HR	13Q0840B	GEE	12.07	15.22	8.161	92135
G100YR24HR	13Q0840B	GEE	12.07	20.64	11.160	125989
G002YR24HR	13Q0860B	GEE	12.30	4.76	0.916	42085
G010YR24HR	13Q0860B	GEE	12.24	14.57	2.379	109314
G025YR24HR	13Q0860B	GEE	12.24	22.90	3.609	165855
G100YR24HR	13Q0860B	GEE	12.24	38.94	6.009	276157
G002YR24HR	13Q0861B	GEE	12.10	6.91	2.042	37502
G010YR24HR	13Q0861B	GEE	12.07	13.89	4.069	74734
G025YR24HR	13Q0861B	GEE	12.07	19.07	5.603	102913
G100YR24HR	13Q0861B	GEE	12.07	28.33	8.409	154448
G002YR24HR	13Q0870B	GEE	12.07	23.12	3.480	127981
G010YR24HR	13Q0870B	GEE	12.07	37.75	5.831	214417
G025YR24HR	13Q0870B	GEE	12.07	48.00	7.512	276226
G100YR24HR	13Q0870B	GEE	12.07	65.94	10.492	385797
G002YR24HR	13Q0875B	GEE	12.16	8.71	3.126	57985
G010YR24HR	13Q0875B	GEE	12.16	14.84	5.428	100680
G025YR24HR	13Q0875B	GEE	12.16	19.16	7.088	131481
G100YR24HR	13Q0875B	GEE	12.16	26.69	10.045	186329
G002YR24HR	13Q0880B	GEE	12.26	10.90	2.894	82244
G010YR24HR	13Q0880B	GEE	12.26	19.14	5.153	146455
G025YR24HR	13Q0880B	GEE	12.26	24.97	6.795	193125
G100YR24HR	13Q0880B	GEE	12.26	35.18	9.730	276555
G002YR24HR	13Q0885B	GEE	12.29	12.20	2.994	98029
G010YR24HR	13Q0885B	GEE	12.29	21.17	5.272	172617
G025YR24HR	13Q0885B	GEE	12.29	27.51	6.922	226645
G100YR24HR	13Q0885B	GEE	12.29	38.59	9.866	323053
G002YR24HR	13Q0895B	GEE	12.13	4.43	2.729	27541
G010YR24HR	13Q0895B	GEE	12.13	7.95	4.954	49989
G025YR24HR	13Q0895B	GEE	12.13	10.46	6.580	66405
G100YR24HR	13Q0895B	GEE	12.13	14.86	9.498	95848
G002YR24HR	13Q0924B	GEE	12.26	7.65	3.169	58093
G010YR24HR	13Q0924B	GEE	12.26	12.96	5.477	100403
G025YR24HR	13Q0924B	GEE	12.26	16.69	7.140	130890
G100YR24HR	13Q0924B	GEE	12.26	23.22	10.100	185141
G002YR24HR	13Q0940B	GEE	12.07	10.60	3.218	57814
G010YR24HR	13Q0940B	GEE	12.07	17.82	5.534	99430
G025YR24HR	13Q0940B	GEE	12.07	22.88	7.200	129376
G100YR24HR	13Q0940B	GEE	12.07	31.73	10.164	182630
G002YR24HR	13Q1100B	GEE	12.07	4.90	3.351	26883
G010YR24HR	13Q1100B	GEE	12.07	8.11	5.686	45613
G025YR24HR	13Q1100B	GEE	12.07	10.35	7.360	59046
G100YR24HR	13Q1100B	GEE	12.07	14.29	10.333	82893
G002YR24HR	13Q1300B	GEE	12.07	1.79	3.332	9796
G010YR24HR	13Q1300B	GEE	12.07	2.96	5.664	16654
G025YR24HR	13Q1300B	GEE	12.07	3.79	7.337	21574
G100YR24HR	13Q1300B	GEE	12.07	5.23	10.309	30311
G002YR24HR	13Q1600B	GEE	12.07	7.72	3.587	43101
G010YR24HR	13Q1600B	GEE	12.07	12.48	5.949	71481
G025YR24HR	13Q1600B	GEE	12.07	15.81	7.635	91732
G100YR24HR	13Q1600B	GEE	12.07	21.65	10.619	127595
G002YR24HR	13Q1900B	GEE	12.58	26.83	2.907	290506
G010YR24HR	13Q1900B	GEE	12.58	47.25	5.167	516369

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13Q1900B	GEE	12.58	61.72	6.809	680437
G100YR24HR	13Q1900B	GEE	12.58	87.09	9.743	973648
G002YR24HR	13Q2290B	GEE	12.50	11.87	1.588	119370
G010YR24HR	13Q2290B	GEE	12.50	26.95	3.431	257910
G025YR24HR	13Q2290B	GEE	12.50	38.56	4.871	366226
G100YR24HR	13Q2290B	GEE	12.42	60.10	7.558	568200
G002YR24HR	13Q2300B	GEE	12.07	25.36	3.753	143736
G010YR24HR	13Q2300B	GEE	12.07	40.39	6.130	234749
G025YR24HR	13Q2300B	GEE	12.07	50.94	7.821	299519
G100YR24HR	13Q2300B	GEE	12.07	69.46	10.812	414070
G002YR24HR	POND10_B	Scenario1	12.04	8.09	3.382	38928
G010YR24HR	POND10_B	Scenario1	12.02	13.30	5.720	65851
G025YR24HR	POND10_B	Scenario1	12.02	16.95	7.396	85145
G100YR24HR	POND10_B	Scenario1	12.02	23.34	10.371	119385
G002YR24HR	POND2_B	Scenario1	12.04	24.93	2.746	116162
G010YR24HR	POND2_B	Scenario1	12.04	44.22	4.975	210427
G025YR24HR	POND2_B	Scenario1	12.04	57.87	6.603	279318
G100YR24HR	POND2_B	Scenario1	12.02	81.82	9.523	402837
G002YR24HR	POND5	Scenario1	12.25	33.21	3.067	259397
G010YR24HR	POND5	Scenario1	12.25	57.17	5.358	453202
G025YR24HR	POND5	Scenario1	12.25	74.04	7.014	593264
G100YR24HR	POND5	Scenario1	12.25	103.55	9.966	842898
G002YR24HR	POND7_B	Scenario1	12.07	72.12	3.236	393565
G010YR24HR	POND7_B	Scenario1	12.07	120.95	5.555	675548
G025YR24HR	POND7_B	Scenario1	12.07	155.18	7.223	878356
G100YR24HR	POND7_B	Scenario1	12.07	215.03	10.188	1238923
G002YR24HR	WTRSPRGS	GEE	12.04	37.23	2.562	172791
G010YR24HR	WTRSPRGS	GEE	12.04	67.84	4.746	320126
G025YR24HR	WTRSPRGS	GEE	12.04	89.66	6.355	428630
G100YR24HR	WTRSPRGS	GEE	12.04	127.95	9.252	623993

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.3 Link Max Comparison Report – Scenario 1

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
12-0102X	12	G002YR24HR	0.00	0.00	0.000	15.83	15.96	15.67	15.83
12-0102X	12	G010YR24HR	0.00	0.00	0.000	16.67	17.33	15.87	17.10
12-0102X	12	G025YR24HR	0.00	0.00	0.000	17.17	18.14	15.88	17.88
12-0102X	12	G100YR24HR	22.17	362.62	0.079	22.17	19.86	20.65	19.19
13A0100	13A	G002YR24HR	15.37	587.10	1.737	15.37	10.21	0.00	8.75
13A0100	13A	G010YR24HR	15.60	1008.40	1.737	15.60	11.75	0.00	8.75
13A0100	13A	G025YR24HR	15.68	1277.16	1.737	15.68	12.69	15.48	9.04
13A0100	13A	G100YR24HR	15.89	1661.99	4.821	15.89	13.60	15.82	10.26
13A0300	13A	G002YR24HR	15.35	585.97	2.411	15.36	10.69	15.37	10.21
13A0300	13A	G010YR24HR	15.54	1006.88	2.411	15.58	12.40	15.60	11.75
13A0300	13A	G025YR24HR	15.62	1275.34	16.481	15.66	13.39	15.68	12.69
13A0300	13A	G100YR24HR	15.90	1659.14	16.457	15.90	14.48	15.89	13.60
13A0400B	13A	G002YR24HR	15.39	570.50	-0.230	15.37	10.87	15.36	10.69
13A0400B	13A	G010YR24HR	15.63	979.90	-0.230	15.58	12.60	15.58	12.40
13A0400B	13A	G025YR24HR	15.73	1240.21	0.325	15.67	13.61	15.66	13.39
13A0400B	13A	G100YR24HR	16.17	1613.25	0.369	15.93	14.73	15.90	14.48
13A0600	13A	G002YR24HR	15.38	570.49	7.994	15.37	11.41	15.37	10.87
13A0600	13A	G010YR24HR	15.61	979.85	7.994	15.59	13.27	15.58	12.60
13A0600	13A	G025YR24HR	15.70	1240.12	7.994	15.68	14.30	15.67	13.61
13A0600	13A	G100YR24HR	16.15	1613.08	7.994	16.04	15.57	15.93	14.73
13A0600G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0700C	13A	G002YR24HR	15.38	199.73	5.845	15.37	11.49	15.37	11.41
13A0700C	13A	G010YR24HR	17.07	342.36	30.346	15.59	13.53	15.59	13.27
13A0700C	13A	G025YR24HR	15.70	427.18	30.337	15.68	14.83	15.68	14.30
13A0700C	13A	G100YR24HR	16.17	555.84	29.796	16.08	16.47	16.04	15.57
13A0701C	13A	G002YR24HR	15.38	181.59	5.103	15.37	11.49	15.37	11.41
13A0701C	13A	G010YR24HR	17.07	316.12	-24.089	15.59	13.53	15.59	13.27
13A0701C	13A	G025YR24HR	15.70	398.46	23.952	15.68	14.83	15.68	14.30
13A0701C	13A	G100YR24HR	16.17	518.47	-23.790	16.08	16.47	16.04	15.57
13A0702C	13A	G002YR24HR	15.38	185.56	5.275	15.37	11.49	15.37	11.41
13A0702C	13A	G010YR24HR	15.60	325.07	-21.756	15.59	13.53	15.59	13.27
13A0702C	13A	G025YR24HR	15.70	407.66	-21.757	15.68	14.83	15.68	14.30
13A0702C	13A	G100YR24HR	16.17	530.44	-21.713	16.08	16.47	16.04	15.57
13A0720S	13A	G002YR24HR	12.83	19.65	0.003	12.83	16.60	12.83	10.50
13A0720S	13A	G010YR24HR	13.12	23.62	0.004	13.60	17.15	14.81	13.43
13A0720S	13A	G025YR24HR	12.46	24.71	0.753	14.26	18.35	15.68	14.83
13A0720S	13A	G100YR24HR	12.05	26.47	0.452	14.71	20.31	16.08	16.47
13A0730D	13A	G002YR24HR	12.85	18.92	0.002	12.85	19.49	12.83	16.60
13A0730D	13A	G010YR24HR	13.18	22.89	-0.003	13.35	20.30	13.60	17.15
13A0730D	13A	G025YR24HR	13.20	22.45	-0.004	13.81	21.30	14.26	18.35
13A0730D	13A	G100YR24HR	13.76	22.37	-0.003	14.41	23.30	14.71	20.31
13A0730W	13A	G002YR24HR	0.00	0.00	0.000	12.85	19.49	15.37	11.49
13A0730W	13A	G010YR24HR	0.00	0.00	0.000	13.35	20.30	15.59	13.53
13A0730W	13A	G025YR24HR	0.00	0.00	0.000	13.81	21.30	15.68	14.83
13A0730W	13A	G100YR24HR	0.00	0.00	0.000	14.41	23.30	16.08	16.47
13A0810W	13A	G002YR24HR	13.88	18.71	0.001	13.88	22.12	15.37	11.49
13A0810W	13A	G010YR24HR	13.84	31.71	0.001	13.84	22.20	15.59	13.53
13A0810W	13A	G025YR24HR	13.82	40.89	0.002	13.82	22.24	15.68	14.83
13A0810W	13A	G100YR24HR	13.80	56.99	0.003	13.80	22.31	16.08	16.47
13A0900	13A	G002YR24HR	15.40	545.96	10.272	15.40	14.37	15.37	11.49
13A0900	13A	G010YR24HR	15.67	941.80	9.972	15.65	15.94	15.59	13.53
13A0900	13A	G025YR24HR	15.75	1183.32	9.803	15.72	16.84	15.68	14.83
13A0900	13A	G100YR24HR	16.30	1546.71	9.779	16.16	18.07	16.08	16.47
13A0950	13A	G002YR24HR	15.31	546.26	0.154	15.36	15.01	15.40	14.37
13A0950	13A	G010YR24HR	15.59	941.94	0.154	15.63	16.50	15.65	15.94
13A0950	13A	G025YR24HR	15.67	1183.38	0.154	15.70	17.34	15.72	16.84
13A0950	13A	G100YR24HR	16.19	1546.30	0.154	16.16	18.46	16.16	18.07
13A1000	13A	G002YR24HR	14.90	380.67	9.805	15.32	15.09	15.36	15.01
13A1000	13A	G010YR24HR	14.93	672.86	9.805	15.60	16.56	15.63	16.50
13A1000	13A	G025YR24HR	14.99	856.12	9.805	15.68	17.39	15.70	17.34
13A1000	13A	G100YR24HR	14.98	1109.80	9.805	16.15	18.50	16.16	18.46
13A1100	13A	G002YR24HR	14.86	378.88	12.217	15.04	15.92	15.32	15.09
13A1100	13A	G010YR24HR	14.89	670.09	12.217	15.30	17.34	15.60	16.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A1100	13A	G025YR24HR	14.92	852.38	12.217	15.43	18.06	15.68	17.39
13A1100	13A	G100YR24HR	14.97	1102.23	12.217	15.96	19.03	16.15	18.50
13A1200C	13A	G002YR24HR	14.86	105.35	2.958	14.94	17.01	15.04	15.92
13A1200C	13A	G010YR24HR	14.39	168.09	2.958	15.03	20.09	15.30	17.34
13A1200C	13A	G025YR24HR	13.61	169.04	2.958	15.10	20.77	15.43	18.06
13A1200C	13A	G100YR24HR	12.35	171.65	2.958	15.44	21.51	15.96	19.03
13A1201C	13A	G002YR24HR	14.86	133.09	5.858	14.94	17.01	15.04	15.92
13A1201C	13A	G010YR24HR	14.39	212.35	5.858	15.03	20.09	15.30	17.34
13A1201C	13A	G025YR24HR	13.61	213.56	5.858	15.10	20.77	15.43	18.06
13A1201C	13A	G100YR24HR	12.35	216.85	5.858	15.44	21.51	15.96	19.03
13A1202C	13A	G002YR24HR	14.86	133.09	11.651	14.94	17.01	15.04	15.92
13A1202C	13A	G010YR24HR	14.39	212.35	10.091	15.03	20.09	15.30	17.34
13A1202C	13A	G025YR24HR	13.61	213.56	-10.811	15.10	20.77	15.43	18.06
13A1202C	13A	G100YR24HR	12.35	216.85	-11.291	15.44	21.51	15.96	19.03
13A1400	13A	G002YR24HR	14.83	369.88	9.534	14.88	18.45	14.94	17.01
13A1400	13A	G010YR24HR	14.91	654.51	13.368	14.98	20.80	15.03	20.09
13A1400	13A	G025YR24HR	14.97	832.42	13.847	15.03	21.50	15.10	20.77
13A1400	13A	G100YR24HR	15.17	1075.15	14.058	15.32	22.24	15.44	21.51
13A1500C	13A	G002YR24HR	14.21	114.27	6.885	14.87	18.90	14.88	18.45
13A1500C	13A	G010YR24HR	14.88	215.43	6.885	14.91	23.76	14.98	20.80
13A1500C	13A	G025YR24HR	14.94	273.95	6.885	14.96	26.29	15.03	21.50
13A1500C	13A	G100YR24HR	15.15	353.79	6.885	15.17	30.23	15.32	22.24
13A1501C_1	13A	G002YR24HR	14.74	129.30	5.478	14.87	18.90	14.88	18.45
13A1501C_1	13A	G010YR24HR	14.88	219.06	5.478	14.91	23.76	14.98	20.80
13A1501C_1	13A	G025YR24HR	14.94	278.57	5.478	14.96	26.29	15.03	21.50
13A1501C_1	13A	G100YR24HR	15.15	359.75	5.478	15.17	30.23	15.32	22.24
13A1501C_2	13A	G002YR24HR	14.74	129.30	5.478	14.87	18.90	14.88	18.45
13A1501C_2	13A	G010YR24HR	14.88	219.06	5.478	14.91	23.76	14.98	20.80
13A1501C_2	13A	G025YR24HR	14.94	278.57	5.478	14.96	26.29	15.03	21.50
13A1501C_2	13A	G100YR24HR	15.15	359.75	5.478	15.17	30.23	15.32	22.24
13A1700	13A	G002YR24HR	14.71	368.50	12.958	14.78	21.45	14.87	18.90
13A1700	13A	G010YR24HR	14.76	651.71	103.144	14.88	24.58	14.91	23.76
13A1700	13A	G025YR24HR	14.74	829.59	103.221	14.95	26.59	14.96	26.29
13A1700	13A	G100YR24HR	14.89	1070.46	103.204	15.17	30.30	15.17	30.23
13A1800	13A	G002YR24HR	14.63	364.09	17.364	14.69	22.76	14.78	21.45
13A1800	13A	G010YR24HR	14.61	645.63	17.364	14.82	25.29	14.88	24.58
13A1800	13A	G025YR24HR	14.46	826.11	17.364	14.90	27.04	14.95	26.59
13A1800	13A	G100YR24HR	14.36	1068.38	17.364	15.16	30.47	15.17	30.30
13A1900	13A	G002YR24HR	14.56	362.85	3.947	14.60	25.32	14.69	22.76
13A1900	13A	G010YR24HR	14.44	645.70	3.947	14.69	26.64	14.82	25.29
13A1900	13A	G025YR24HR	14.30	831.40	3.947	14.81	27.64	14.90	27.04
13A1900	13A	G100YR24HR	14.07	1084.15	-34.636	15.14	30.61	15.16	30.47
13A2000B	13A	G002YR24HR	14.54	360.24	10.317	14.58	26.07	14.60	25.32
13A2000B	13A	G010YR24HR	13.74	506.49	-114.185	14.59	27.55	14.69	26.64
13A2000B	13A	G025YR24HR	12.86	493.76	-110.469	14.66	28.08	14.81	27.64
13A2000B	13A	G100YR24HR	28.97	497.74	-108.481	15.14	30.63	15.14	30.61
13A2200	13A	G002YR24HR	14.58	361.32	41.703	14.58	27.79	14.58	26.07
13A2200	13A	G010YR24HR	14.35	641.58	72.483	13.80	29.46	14.59	27.55
13A2200	13A	G025YR24HR	14.11	830.16	72.254	14.20	29.91	14.66	28.08
13A2200	13A	G100YR24HR	13.83	1123.40	-71.839	14.95	31.38	15.14	30.63
13A2200G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2210D	13A	G002YR24HR	14.12	1.87	0.000	14.12	30.70	14.58	27.79
13A2210D	13A	G010YR24HR	13.16	6.29	0.001	13.16	31.16	13.80	29.46
13A2210D	13A	G025YR24HR	13.02	10.72	0.001	13.02	31.52	14.20	29.91
13A2210D	13A	G100YR24HR	12.68	15.69	0.002	13.07	32.22	14.95	31.38
13A2300	13A	G002YR24HR	14.42	354.01	10.453	14.43	29.50	14.58	27.79
13A2300	13A	G010YR24HR	14.36	627.00	10.453	14.35	31.11	13.80	29.46
13A2300	13A	G025YR24HR	14.21	808.13	10.453	14.21	31.81	14.20	29.91
13A2300	13A	G100YR24HR	13.83	1103.70	10.453	14.24	32.96	14.95	31.38
13A2325B	13A	G002YR24HR	14.36	353.98	9.610	14.42	29.73	14.43	29.50
13A2325B	13A	G010YR24HR	13.62	1113.17	540.632	13.62	31.39	14.35	31.11
13A2325B	13A	G025YR24HR	12.80	1113.75	540.641	14.20	32.08	14.21	31.81
13A2325B	13A	G100YR24HR	12.31	1103.38	537.159	14.17	33.18	14.24	32.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A2400	13A	G002YR24HR	14.29	353.36	10.689	14.35	30.62	14.42	29.73
13A2400	13A	G010YR24HR	13.63	647.42	54.448	13.62	31.85	13.62	31.39
13A2400	13A	G025YR24HR	14.13	805.24	52.182	14.19	32.59	14.20	32.08
13A2400	13A	G100YR24HR	13.83	1104.34	49.330	14.08	33.64	14.17	33.18
13A2500B	13A	G002YR24HR	14.22	353.19	12.334	14.32	31.19	14.35	30.62
13A2500B	13A	G010YR24HR	12.82	623.20	-207.546	14.28	32.68	13.62	31.85
13A2500B	13A	G025YR24HR	12.44	627.15	-206.947	14.14	33.38	14.19	32.59
13A2500B	13A	G100YR24HR	12.43	629.06	-206.771	13.95	34.09	14.08	33.64
13A2750	13A	G002YR24HR	13.94	350.82	8.109	14.18	32.24	14.32	31.19
13A2750	13A	G010YR24HR	14.17	609.90	8.109	14.24	33.34	14.28	32.68
13A2750	13A	G025YR24HR	14.08	783.42	8.109	14.11	33.97	14.14	33.38
13A2750	13A	G100YR24HR	13.83	1069.68	8.109	13.89	34.72	13.95	34.09
13A2800	13A	G002YR24HR	13.47	335.86	16.389	13.66	34.25	14.18	32.24
13A2800	13A	G010YR24HR	13.59	568.58	16.389	13.74	35.29	14.24	33.34
13A2800	13A	G025YR24HR	13.58	720.13	16.389	13.75	35.75	14.11	33.97
13A2800	13A	G100YR24HR	13.64	938.33	16.389	13.74	36.42	13.89	34.72
13A2810D	13A	G002YR24HR	26.40	2.00	-0.598	20.33	33.29	13.66	34.25
13A2810D	13A	G010YR24HR	26.22	2.02	0.012	20.24	34.12	13.74	35.29
13A2810D	13A	G025YR24HR	21.49	2.76	0.023	19.56	34.69	13.75	35.75
13A2810D	13A	G100YR24HR	18.11	6.83	0.029	16.60	35.96	13.74	36.42
13A2900	13A	G002YR24HR	13.28	353.96	20.292	13.31	36.84	13.66	34.25
13A2900	13A	G010YR24HR	13.18	604.04	20.292	13.26	37.65	13.74	35.29
13A2900	13A	G025YR24HR	13.15	766.55	20.292	13.20	38.10	13.75	35.75
13A2900	13A	G100YR24HR	13.07	1011.58	20.292	13.19	38.76	13.74	36.42
13A3000	13A	G002YR24HR	12.80	317.47	13.292	12.92	37.65	13.31	36.84
13A3000	13A	G010YR24HR	12.93	474.53	13.292	13.07	38.49	13.26	37.65
13A3000	13A	G025YR24HR	13.01	567.50	13.292	13.12	38.98	13.20	38.10
13A3000	13A	G100YR24HR	13.22	699.79	13.292	13.20	39.67	13.19	38.76
13A3100C	13A	G002YR24HR	12.09	70.18	55.998	12.91	37.68	12.92	37.65
13A3100C	13A	G010YR24HR	12.25	79.15	55.998	13.06	38.53	13.07	38.49
13A3100C	13A	G025YR24HR	12.29	87.12	55.998	13.10	39.03	13.12	38.98
13A3100C	13A	G100YR24HR	12.17	96.39	55.998	13.19	39.73	13.20	39.67
13A3101C	13A	G002YR24HR	12.09	72.49	59.335	12.91	37.68	12.92	37.65
13A3101C	13A	G010YR24HR	12.25	81.76	59.335	13.06	38.53	13.07	38.49
13A3101C	13A	G025YR24HR	12.29	89.99	59.335	13.10	39.03	13.12	38.98
13A3101C	13A	G100YR24HR	12.17	99.56	59.335	13.19	39.73	13.20	39.67
13A3102C	13A	G002YR24HR	12.09	69.03	55.292	12.91	37.68	12.92	37.65
13A3102C	13A	G010YR24HR	12.25	77.85	55.292	13.06	38.53	13.07	38.49
13A3102C	13A	G025YR24HR	12.29	85.68	55.292	13.10	39.03	13.12	38.98
13A3102C	13A	G100YR24HR	12.17	94.80	55.292	13.19	39.73	13.20	39.67
13A3300	13A	G002YR24HR	12.56	318.18	13.035	12.81	37.93	12.91	37.68
13A3300	13A	G010YR24HR	12.63	478.07	13.035	12.94	38.82	13.06	38.53
13A3300	13A	G025YR24HR	12.49	575.26	13.035	12.97	39.35	13.10	39.03
13A3300	13A	G100YR24HR	12.65	695.74	13.035	13.00	40.22	13.19	39.73
13A3310C	13A	G002YR24HR	12.33	10.65	0.004	12.55	39.87	12.81	37.93
13A3310C	13A	G010YR24HR	12.54	11.60	0.299	12.62	42.01	12.94	38.82
13A3310C	13A	G025YR24HR	12.20	11.84	0.029	12.30	42.19	12.97	39.35
13A3310C	13A	G100YR24HR	12.03	11.84	0.021	12.13	42.36	13.00	40.22
13A3310W	13A	G002YR24HR	0.00	0.00	0.000	12.55	39.87	12.81	37.93
13A3310W	13A	G010YR24HR	12.62	3.24	0.003	12.62	42.01	12.94	38.82
13A3310W	13A	G025YR24HR	12.30	25.02	0.028	12.30	42.19	12.97	39.35
13A3310W	13A	G100YR24HR	12.13	55.31	0.059	12.13	42.36	13.00	40.22
13A3400	13A	G002YR24HR	12.55	307.19	12.086	12.64	38.98	12.81	37.93
13A3400	13A	G010YR24HR	12.64	460.14	12.086	12.74	40.10	12.94	38.82
13A3400	13A	G025YR24HR	12.66	548.60	12.086	12.79	40.62	12.97	39.35
13A3400	13A	G100YR24HR	12.87	666.30	12.086	12.88	41.27	13.00	40.22
13A3410W	13A	G002YR24HR	0.00	0.00	0.000	25.50	47.61	12.64	38.98
13A3410W	13A	G010YR24HR	32.10	0.22	0.000	32.10	48.76	12.74	40.10
13A3410W	13A	G025YR24HR	19.66	5.04	0.000	19.66	48.85	12.79	40.62
13A3410W	13A	G100YR24HR	15.73	15.01	0.001	15.73	48.96	12.88	41.27
13A3430W	13A	G002YR24HR	0.00	0.00	0.000	38.50	50.05	25.50	47.61
13A3430W	13A	G010YR24HR	19.96	2.40	0.000	19.96	50.61	32.10	48.76
13A3430W	13A	G025YR24HR	16.88	5.61	0.001	16.88	50.68	19.66	48.85
13A3430W	13A	G100YR24HR	15.14	13.58	0.002	15.14	50.77	15.73	48.96
13A3500C_1	13A	G002YR24HR	12.68	90.98	7.816	12.64	39.08	12.64	38.98

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3500C_1	13A	G010YR24HR	12.94	133.40	7.816	12.76	40.32	12.74	40.10
13A3500C_1	13A	G025YR24HR	13.83	141.07	7.816	12.83	40.85	12.79	40.62
13A3500C_1	13A	G100YR24HR	29.20	159.88	7.816	12.98	41.50	12.88	41.27
13A3500C_2	13A	G002YR24HR	12.68	90.98	7.816	12.64	39.08	12.64	38.98
13A3500C_2	13A	G010YR24HR	12.94	133.40	7.816	12.76	40.32	12.74	40.10
13A3500C_2	13A	G025YR24HR	13.83	141.07	7.816	12.83	40.85	12.79	40.62
13A3500C_2	13A	G100YR24HR	29.20	159.88	7.816	12.98	41.50	12.88	41.27
13A3501C	13A	G002YR24HR	12.68	85.83	11.290	12.64	39.08	12.64	38.98
13A3501C	13A	G010YR24HR	12.94	125.85	11.290	12.76	40.32	12.74	40.10
13A3501C	13A	G025YR24HR	13.83	133.08	11.290	12.83	40.85	12.79	40.62
13A3501C	13A	G100YR24HR	29.20	150.83	11.290	12.98	41.50	12.88	41.27
13A3700	13A	G002YR24HR	12.69	260.51	5.513	12.67	39.90	12.64	39.08
13A3700	13A	G010YR24HR	12.90	391.45	5.513	12.81	40.95	12.76	40.32
13A3700	13A	G025YR24HR	13.07	468.33	5.513	12.92	41.47	12.83	40.85
13A3700	13A	G100YR24HR	13.31	579.45	5.513	13.13	42.11	12.98	41.50
13A3800C_1	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_1	13A	G010YR24HR	12.86	130.29	7.918	12.82	41.04	12.81	40.95
13A3800C_1	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_1	13A	G100YR24HR	13.29	192.93	7.918	13.17	42.52	13.13	42.11
13A3800C_2	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_2	13A	G010YR24HR	12.86	130.29	7.918	12.82	41.04	12.81	40.95
13A3800C_2	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_2	13A	G100YR24HR	13.29	192.93	7.918	13.17	42.52	13.13	42.11
13A3800C_3	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_3	13A	G010YR24HR	12.86	130.29	7.918	12.82	41.04	12.81	40.95
13A3800C_3	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_3	13A	G100YR24HR	13.29	192.93	7.918	13.17	42.52	13.13	42.11
13A3905C	13A	G002YR24HR	11.21	3.52	1.980	12.67	40.00	12.67	39.99
13A3905C	13A	G010YR24HR	11.72	4.10	1.980	12.82	41.05	12.82	41.04
13A3905C	13A	G025YR24HR	8.13	3.31	1.980	12.93	41.57	12.93	41.56
13A3905C	13A	G100YR24HR	6.40	3.35	1.980	13.17	42.52	13.17	42.52
13A3905W	13A	G002YR24HR	12.53	8.34	-0.066	12.67	40.00	12.67	39.99
13A3905W	13A	G010YR24HR	12.49	12.88	-0.059	12.82	41.05	12.82	41.04
13A3905W	13A	G025YR24HR	12.34	25.09	-0.303	12.93	41.57	12.93	41.56
13A3905W	13A	G100YR24HR	12.12	45.07	1.545	13.17	42.52	13.17	42.52
13A3915C	13A	G002YR24HR	12.15	1.66	0.001	12.16	41.17	2.35	41.51
13A3915C	13A	G010YR24HR	12.13	2.01	0.001	12.13	41.25	1.56	41.51
13A3915C	13A	G025YR24HR	12.14	2.21	-0.001	12.93	41.58	12.93	41.56
13A3915C	13A	G100YR24HR	12.07	2.45	-0.148	13.17	42.52	13.17	42.52
13A3915W	13A	G002YR24HR	12.16	105.34	0.026	12.16	41.17	12.67	39.99
13A3915W	13A	G010YR24HR	12.13	172.10	0.025	12.13	41.25	12.82	41.04
13A3915W	13A	G025YR24HR	12.14	213.13	0.220	12.93	41.58	12.93	41.56
13A3915W	13A	G100YR24HR	12.08	269.10	-0.394	13.17	42.52	13.17	42.52
13A3925S	13A	G002YR24HR	12.10	58.37	-0.576	12.11	42.29	12.16	41.17
13A3925S	13A	G010YR24HR	12.09	88.37	0.611	12.09	43.82	12.13	41.25
13A3925S	13A	G025YR24HR	12.15	103.58	-0.677	12.15	44.84	12.93	41.58
13A3925S	13A	G100YR24HR	12.20	120.76	-1.502	12.36	46.53	13.17	42.52
13A3935S	13A	G002YR24HR	12.37	25.43	-0.120	12.11	42.46	12.11	42.29
13A3935S	13A	G010YR24HR	13.23	48.02	-2.724	12.09	44.07	12.09	43.82
13A3935S	13A	G025YR24HR	14.49	52.92	-2.736	12.46	45.23	12.15	44.84
13A3935S	13A	G100YR24HR	15.11	56.74	-2.417	12.63	47.31	12.36	46.53
13A3945S	13A	G002YR24HR	12.38	19.27	0.095	12.11	42.50	12.11	42.46
13A3945S	13A	G010YR24HR	13.43	46.22	-1.440	12.63	44.29	12.09	44.07
13A3945S	13A	G025YR24HR	14.53	51.41	-1.396	12.59	45.66	12.46	45.23
13A3945S	13A	G100YR24HR	15.34	55.10	-1.742	12.72	47.77	12.63	47.31
13A3951S	13A	G002YR24HR	18.57	3.67	0.001	18.66	45.43	18.57	42.61
13A3951S	13A	G010YR24HR	14.57	5.09	-0.098	20.41	47.13	12.63	44.29
13A3951S	13A	G025YR24HR	17.08	5.78	0.035	22.28	47.85	12.59	45.66
13A3951S	13A	G100YR24HR	24.21	6.49	-0.045	24.43	48.97	12.72	47.77
13A3975S	13A	G002YR24HR	13.00	9.26	0.275	12.11	42.49	12.11	42.50
13A3975S	13A	G010YR24HR	13.75	39.04	0.224	12.96	44.62	12.63	44.29
13A3975S	13A	G025YR24HR	14.83	44.31	0.377	12.95	45.96	12.59	45.66
13A3975S	13A	G100YR24HR	15.79	48.21	-0.455	12.91	47.97	12.72	47.77
13A3985S	13A	G002YR24HR	13.10	9.16	0.124	13.10	42.83	13.10	42.68
13A3985S	13A	G010YR24HR	13.75	38.93	0.340	13.08	44.80	14.05	44.95
13A3985S	13A	G025YR24HR	14.84	44.26	-0.263	13.27	46.43	12.95	45.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3985S	13A	G100YR24HR	15.79	48.17	-0.542	13.65	48.43	12.91	47.97
13A4000	13A	G002YR24HR	12.92	196.67	81.236	12.76	40.38	12.67	39.99
13A4000	13A	G010YR24HR	13.07	293.20	81.220	12.87	41.27	12.82	41.04
13A4000	13A	G025YR24HR	13.04	361.60	81.228	12.95	41.75	12.93	41.56
13A4000	13A	G100YR24HR	27.64	533.65	-81.236	13.18	42.65	13.17	42.52
13A4100	13A	G002YR24HR	12.50	191.39	12.038	12.68	40.72	12.76	40.38
13A4100	13A	G010YR24HR	34.70	270.52	12.038	12.85	41.52	12.87	41.27
13A4100	13A	G025YR24HR	12.79	341.99	12.038	12.91	42.02	12.95	41.75
13A4100	13A	G100YR24HR	27.74	514.41	12.038	13.15	42.90	13.18	42.65
13A4110C	13A	G002YR24HR	13.42	8.51	-7.592	12.92	40.44	12.76	40.38
13A4110C	13A	G010YR24HR	12.81	20.81	-0.191	12.87	41.51	12.87	41.27
13A4110C	13A	G025YR24HR	32.48	25.28	-0.127	12.92	42.02	12.95	41.75
13A4110C	13A	G100YR24HR	55.54	26.57	-0.079	13.15	42.90	13.18	42.65
13A4110W	13A	G002YR24HR	0.00	0.00	0.000	12.92	40.44	12.68	40.72
13A4110W	13A	G010YR24HR	0.00	0.00	0.011	12.87	41.51	12.85	41.52
13A4110W	13A	G025YR24HR	13.82	1.50	-0.274	12.92	42.02	12.91	42.02
13A4110W	13A	G100YR24HR	13.62	2.85	0.675	13.15	42.90	13.15	42.90
13A4200	13A	G002YR24HR	12.44	194.32	11.539	12.46	42.23	12.68	40.72
13A4200	13A	G010YR24HR	12.44	289.19	11.539	12.50	43.06	12.85	41.52
13A4200	13A	G025YR24HR	32.15	358.53	11.539	12.73	43.56	12.91	42.02
13A4200	13A	G100YR24HR	27.84	531.91	11.539	26.82	44.58	13.15	42.90
13A4300	13A	G002YR24HR	12.44	189.74	12.770	12.44	43.79	12.46	42.23
13A4300	13A	G010YR24HR	12.45	282.12	12.770	12.45	44.77	12.50	43.06
13A4300	13A	G025YR24HR	32.12	358.53	12.770	32.12	45.40	12.73	43.56
13A4300	13A	G100YR24HR	27.79	531.86	12.770	27.81	46.51	26.82	44.58
13A4400	13A	G002YR24HR	12.71	157.28	13.443	12.55	44.39	12.44	43.79
13A4400	13A	G010YR24HR	34.67	275.04	13.443	34.72	45.52	12.45	44.77
13A4400	13A	G025YR24HR	31.85	358.55	13.443	31.93	46.26	32.12	45.40
13A4400	13A	G100YR24HR	27.50	531.93	13.443	27.67	47.31	27.81	46.51
13A4500W	13A	G002YR24HR	12.61	151.49	9.407	12.56	44.76	12.55	44.39
13A4500W	13A	G010YR24HR	35.12	251.46	9.407	34.81	45.99	34.72	45.52
13A4500W	13A	G025YR24HR	33.89	325.81	9.407	32.53	46.77	31.93	46.26
13A4500W	13A	G100YR24HR	31.18	472.78	9.407	28.62	47.92	27.67	47.31
13A4700	13A	G002YR24HR	12.56	151.36	5.921	12.56	45.58	12.56	44.76
13A4700	13A	G010YR24HR	34.97	251.44	5.921	34.87	46.61	34.81	45.99
13A4700	13A	G025YR24HR	33.75	325.71	5.921	32.89	47.20	32.53	46.77
13A4700	13A	G100YR24HR	31.08	472.50	5.921	29.13	48.28	28.62	47.92
13A4800	13A	G002YR24HR	38.60	139.25	9.611	12.57	45.65	12.56	45.58
13A4800	13A	G010YR24HR	34.74	251.44	9.611	34.86	46.69	34.87	46.61
13A4800	13A	G025YR24HR	33.52	325.60	9.611	32.93	47.27	32.89	47.20
13A4800	13A	G100YR24HR	61.99	843.64	-542.697	29.33	48.54	29.13	48.28
13A4900B	13A	G002YR24HR	38.59	139.25	9.724	12.58	45.93	12.57	45.65
13A4900B	13A	G010YR24HR	34.73	251.44	9.724	34.82	47.15	34.86	46.69
13A4900B	13A	G025YR24HR	33.51	325.59	9.724	33.11	47.81	32.93	47.27
13A4900B	13A	G100YR24HR	30.85	472.09	9.724	29.68	49.35	29.33	48.54
13A5050	13A	G002YR24HR	38.55	139.25	12.601	38.55	46.17	12.58	45.93
13A5050	13A	G010YR24HR	34.68	251.44	12.601	34.78	47.47	34.82	47.15
13A5050	13A	G025YR24HR	33.46	325.58	12.601	33.21	48.13	33.11	47.81
13A5050	13A	G100YR24HR	30.81	472.04	12.601	29.78	49.50	29.68	49.35
13A5100	13A	G002YR24HR	38.36	139.25	11.219	38.49	46.48	38.55	46.17
13A5100	13A	G010YR24HR	34.20	241.42	11.219	34.68	47.77	34.78	47.47
13A5100	13A	G025YR24HR	33.29	268.87	11.219	33.23	48.34	33.21	48.13
13A5100	13A	G100YR24HR	30.58	395.69	11.219	29.85	49.64	29.78	49.50
13A5200	13A	G002YR24HR	38.32	139.25	11.231	38.38	47.18	38.49	46.48
13A5200	13A	G010YR24HR	34.10	241.44	11.231	34.46	48.51	34.68	47.77
13A5200	13A	G025YR24HR	33.21	268.87	-11.367	33.22	49.03	33.23	48.34
13A5200	13A	G100YR24HR	30.51	395.65	11.231	30.07	50.26	29.85	49.64
13A5300	13A	G002YR24HR	34.09	140.56	11.877	36.70	47.53	38.38	47.18
13A5300	13A	G010YR24HR	31.47	253.85	11.877	33.06	48.96	34.46	48.51
13A5300	13A	G025YR24HR	30.37	328.65	11.877	31.39	49.57	33.22	49.03
13A5300	13A	G100YR24HR	26.42	478.31	11.877	29.09	50.62	30.07	50.26
13A5310D	13A	G002YR24HR	12.96	2.05	0.001	12.96	49.48	36.70	47.53
13A5310D	13A	G010YR24HR	12.44	11.86	0.004	12.44	51.05	33.06	48.96
13A5310D	13A	G025YR24HR	12.29	22.15	-0.197	12.30	51.53	31.39	49.57
13A5310D	13A	G100YR24HR	11.98	23.48	-0.094	12.10	51.85	29.09	50.62

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A5310W	13A	G002YR24HR	0.00	0.00	0.000	12.96	49.48	36.70	47.53
13A5310W	13A	G010YR24HR	0.00	0.00	0.000	12.44	51.05	33.06	48.96
13A5310W	13A	G025YR24HR	0.00	0.00	0.000	12.30	51.53	31.39	49.57
13A5310W	13A	G100YR24HR	12.10	23.43	0.033	12.10	51.85	29.09	50.62
13A5400	13A	G002YR24HR	34.06	140.57	12.697	34.98	48.36	36.70	47.53
13A5400	13A	G010YR24HR	31.45	253.86	12.697	32.09	49.99	33.06	48.96
13A5400	13A	G025YR24HR	30.34	328.68	12.697	30.67	50.83	31.39	49.57
13A5400	13A	G100YR24HR	26.41	478.42	12.697	26.59	52.26	29.09	50.62
13A5500	13A	G002YR24HR	34.02	140.57	12.207	34.65	48.78	34.98	48.36
13A5500	13A	G010YR24HR	31.40	253.88	12.207	31.92	50.43	32.09	49.99
13A5500	13A	G025YR24HR	30.29	328.80	12.207	30.58	51.28	30.67	50.83
13A5500	13A	G100YR24HR	26.36	478.46	-16.857	26.54	52.72	26.59	52.26
13A5600	13A	G002YR24HR	33.98	140.58	12.303	34.24	49.38	34.65	48.78
13A5600	13A	G010YR24HR	31.31	253.11	109.804	31.76	50.79	31.92	50.43
13A5600	13A	G025YR24HR	30.68	442.33	-157.409	30.68	51.75	30.58	51.28
13A5600	13A	G100YR24HR	45.80	677.51	-328.882	26.54	53.00	26.54	52.72
13A5700B	13A	G002YR24HR	33.96	140.58	11.962	34.11	50.07	34.24	49.38
13A5700B	13A	G010YR24HR	31.29	253.12	11.962	31.62	51.50	31.76	50.79
13A5700B	13A	G025YR24HR	30.13	311.38	24.357	30.37	52.53	30.68	51.75
13A5700B	13A	G100YR24HR	49.13	332.70	77.480	26.55	53.44	26.54	53.00
13A5900W	13A	G002YR24HR	33.95	140.58	47.328	33.99	51.52	34.11	50.07
13A5900W	13A	G010YR24HR	31.27	253.12	47.328	31.43	52.53	31.62	51.50
13A5900W	13A	G025YR24HR	30.09	311.24	47.328	30.31	53.07	30.37	52.53
13A5900W	13A	G100YR24HR	26.54	414.96	47.328	26.55	53.80	26.55	53.44
13A5910W	13A	G002YR24HR	0.00	0.00	0.000	33.99	51.52	34.65	48.78
13A5910W	13A	G010YR24HR	31.43	0.79	0.000	31.43	52.53	31.92	50.43
13A5910W	13A	G025YR24HR	30.31	17.49	0.000	30.31	53.07	30.58	51.28
13A5910W	13A	G100YR24HR	26.55	56.62	0.001	26.55	53.80	26.54	52.72
13A6200	13A	G002YR24HR	31.52	140.99	0.843	33.55	51.70	33.99	51.52
13A6200	13A	G010YR24HR	29.40	254.84	1.722	30.99	52.76	31.43	52.53
13A6200	13A	G025YR24HR	28.54	330.68	1.811	29.86	53.29	30.31	53.07
13A6200	13A	G100YR24HR	25.77	475.09	2.649	26.28	53.96	26.55	53.80
13B0200W	13B	G002YR24HR	12.47	58.28	0.008	12.47	15.58	15.36	10.69
13B0200W	13B	G010YR24HR	12.43	113.37	0.019	12.43	15.94	15.58	12.40
13B0200W	13B	G025YR24HR	12.45	154.19	0.023	12.45	16.15	15.66	13.39
13B0200W	13B	G100YR24HR	12.53	214.31	0.027	12.53	16.42	15.90	14.48
13B0300C	13B	G002YR24HR	12.46	55.19	-1.232	12.47	15.94	12.47	15.58
13B0300C	13B	G010YR24HR	12.41	104.95	1.403	12.42	17.24	12.43	15.94
13B0300C	13B	G025YR24HR	12.42	140.98	1.403	12.43	18.49	12.45	16.15
13B0300C	13B	G100YR24HR	12.50	190.93	1.403	12.50	20.71	12.53	16.42
13B0500	13B	G002YR24HR	12.42	55.88	1.814	12.42	18.63	12.47	15.94
13B0500	13B	G010YR24HR	12.35	102.96	1.806	12.33	19.27	12.42	17.24
13B0500	13B	G025YR24HR	12.32	135.55	1.796	12.38	19.69	12.43	18.49
13B0500	13B	G100YR24HR	12.36	178.53	1.764	12.49	21.04	12.50	20.71
13B0600	13B	G002YR24HR	12.34	57.82	11.641	12.26	22.13	12.42	18.63
13B0600	13B	G010YR24HR	12.26	98.63	12.827	12.09	22.52	12.33	19.27
13B0600	13B	G025YR24HR	12.26	130.01	12.531	12.25	22.70	12.38	19.69
13B0600	13B	G100YR24HR	12.26	185.29	11.642	12.27	23.03	12.49	21.04
13C0100	13C	G002YR24HR	16.12	179.94	-6.819	15.37	15.02	15.36	15.01
13C0100	13C	G010YR24HR	18.32	306.02	-6.881	15.63	16.51	15.63	16.50
13C0100	13C	G025YR24HR	17.86	376.60	-6.947	15.71	17.35	15.70	17.34
13C0100	13C	G100YR24HR	22.28	666.96	-7.090	16.17	18.47	16.16	18.46
13C0200	13C	G002YR24HR	16.01	174.79	0.030	15.41	15.11	15.37	15.02
13C0200	13C	G010YR24HR	18.06	295.37	0.030	15.65	16.54	15.63	16.51
13C0200	13C	G025YR24HR	17.81	365.25	0.030	15.72	17.37	15.71	17.35
13C0200	13C	G100YR24HR	22.26	661.57	-0.035	16.17	18.49	16.17	18.47
13C0300	13C	G002YR24HR	15.92	173.19	-7.784	15.54	15.36	15.41	15.11
13C0300	13C	G010YR24HR	17.97	291.55	-7.594	15.68	16.65	15.65	16.54
13C0300	13C	G025YR24HR	17.79	361.08	-7.863	15.76	17.44	15.72	17.37
13C0300	13C	G100YR24HR	22.25	660.22	-8.716	16.22	18.55	16.17	18.49
13C0400D	13C	G002YR24HR	12.18	46.06	-2.551	15.65	15.73	15.54	15.36
13C0400D	13C	G010YR24HR	11.88	44.44	-1.799	15.85	16.99	15.68	16.65
13C0400D	13C	G025YR24HR	11.79	41.71	-1.846	15.86	17.78	15.76	17.44
13C0400D	13C	G100YR24HR	22.55	53.86	-1.764	18.08	19.03	16.22	18.55
13C0401D	13C	G002YR24HR	12.19	43.07	-0.445	15.65	15.73	15.54	15.36
13C0401D	13C	G010YR24HR	11.91	41.75	-0.441	15.85	16.99	15.68	16.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C0401D	13C	G025YR24HR	11.81	39.46	-0.442	15.86	17.78	15.76	17.44
13C0401D	13C	G100YR24HR	22.54	53.62	-0.445	18.08	19.03	16.22	18.55
13C0600	13C	G002YR24HR	15.83	171.83	0.052	15.67	15.83	15.65	15.73
13C0600	13C	G010YR24HR	17.82	286.83	0.052	15.87	17.10	15.85	16.99
13C0600	13C	G025YR24HR	17.70	353.98	0.052	15.88	17.88	15.86	17.78
13C0600	13C	G100YR24HR	22.18	657.50	0.052	20.65	19.19	18.08	19.03
13C0650C	13C	G002YR24HR	20.22	94.52	-11.405	15.83	15.96	15.67	15.83
13C0650C	13C	G010YR24HR	22.94	152.80	-11.405	16.67	17.33	15.87	17.10
13C0650C	13C	G025YR24HR	27.41	214.04	-11.405	17.17	18.14	15.88	17.88
13C0650C	13C	G100YR24HR	32.67	267.43	-11.405	22.17	19.86	20.65	19.19
13C0800	13C	G002YR24HR	15.04	110.65	0.344	15.22	16.96	15.67	15.83
13C0800	13C	G010YR24HR	15.20	212.71	0.344	15.39	17.78	15.87	17.10
13C0800	13C	G025YR24HR	14.64	300.12	0.344	15.40	18.34	15.88	17.88
13C0800	13C	G100YR24HR	14.33	456.17	0.344	17.69	19.36	20.65	19.19
13C0900C	13C	G002YR24HR	14.96	111.09	-0.522	15.11	17.31	15.22	16.96
13C0900C	13C	G010YR24HR	15.00	205.69	-0.531	15.15	19.56	15.39	17.78
13C0900C	13C	G025YR24HR	12.56	216.54	-0.535	14.65	19.95	15.40	18.34
13C0900C	13C	G100YR24HR	12.21	227.51	-0.537	14.32	20.30	17.69	19.36
13C1100	13C	G002YR24HR	14.88	110.25	-12.468	14.88	19.82	15.11	17.31
13C1100	13C	G010YR24HR	14.96	214.17	-12.489	15.03	21.02	15.15	19.56
13C1100	13C	G025YR24HR	14.50	304.46	-12.508	14.52	21.48	14.65	19.95
13C1100	13C	G100YR24HR	14.17	469.36	-12.537	14.18	22.05	14.32	20.30
13C1200	13C	G002YR24HR	14.70	106.01	-11.806	14.58	23.64	14.88	19.82
13C1200	13C	G010YR24HR	14.76	210.37	-12.414	14.35	24.19	15.03	21.02
13C1200	13C	G025YR24HR	14.27	296.20	-12.239	14.11	24.47	14.52	21.48
13C1200	13C	G100YR24HR	14.04	454.20	-11.446	13.89	24.91	14.18	22.05
13C1300	13C	G002YR24HR	14.30	105.39	-0.916	14.05	25.13	14.58	23.64
13C1300	13C	G010YR24HR	14.72	207.05	-3.793	14.45	25.72	14.35	24.19
13C1300	13C	G025YR24HR	14.13	290.79	2.455	14.14	26.04	14.11	24.47
13C1300	13C	G100YR24HR	13.93	446.10	2.678	13.94	26.52	13.89	24.91
13C1350	13C	G002YR24HR	14.26	102.63	0.974	14.26	26.26	14.05	25.13
13C1350	13C	G010YR24HR	14.31	203.83	1.296	14.31	26.82	14.45	25.72
13C1350	13C	G025YR24HR	14.05	287.82	1.266	14.06	27.17	14.14	26.04
13C1350	13C	G100YR24HR	13.81	436.80	1.290	13.83	27.63	13.94	26.52
13C1350W_1	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_1	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_1	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_1	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_2	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_2	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_2	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_2	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_3	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_3	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_3	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_3	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_4	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_4	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_4	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_4	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1400	13C	G002YR24HR	13.64	58.32	0.173	13.85	27.11	14.26	26.26
13C1400	13C	G010YR24HR	13.82	113.45	0.173	13.98	27.55	14.31	26.82
13C1400	13C	G025YR24HR	13.36	176.59	0.173	13.61	27.83	14.06	27.17
13C1400	13C	G100YR24HR	13.08	288.55	0.173	13.35	28.21	13.83	27.63
13C1500	13C	G002YR24HR	13.60	57.44	1.595	13.58	28.08	13.85	27.11
13C1500	13C	G010YR24HR	13.68	113.06	1.595	13.62	28.72	13.98	27.55
13C1500	13C	G025YR24HR	13.29	177.14	1.595	13.21	29.15	13.61	27.83
13C1500	13C	G100YR24HR	13.04	288.67	1.595	12.92	29.60	13.35	28.21
13C1500X	13C	G002YR24HR	0.00	0.00	0.000	13.58	28.08	14.05	25.13
13C1500X	13C	G010YR24HR	0.00	0.00	0.000	13.62	28.72	14.45	25.72
13C1500X	13C	G025YR24HR	0.00	0.00	0.000	13.21	29.15	14.14	26.04
13C1500X	13C	G100YR24HR	0.00	0.00	0.000	12.92	29.60	13.94	26.52
13C1600C	13C	G002YR24HR	13.55	57.44	3.627	13.55	28.88	12.61	28.49
13C1600C	13C	G010YR24HR	13.19	83.16	3.624	13.62	30.13	13.62	28.72
13C1600C	13C	G025YR24HR	12.62	84.04	3.627	13.23	30.35	13.21	29.15
13C1600C	13C	G100YR24HR	12.28	84.99	3.627	12.99	30.58	12.92	29.60

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C1800	13C	G002YR24HR	13.22	56.65	0.826	13.48	29.22	13.55	28.88
13C1800	13C	G010YR24HR	13.44	111.88	3.360	13.59	30.24	13.62	30.13
13C1800	13C	G025YR24HR	13.18	173.56	3.369	13.21	30.52	13.23	30.35
13C1800	13C	G100YR24HR	12.98	280.68	3.383	12.98	30.85	12.99	30.58
13C1850	13C	G002YR24HR	13.71	34.24	-5.191	13.55	29.41	13.48	29.22
13C1850	13C	G010YR24HR	14.31	64.77	-6.354	13.65	30.34	13.59	30.24
13C1850	13C	G025YR24HR	13.59	88.91	4.798	13.31	30.64	13.21	30.52
13C1850	13C	G100YR24HR	13.52	133.71	5.395	13.15	31.00	12.98	30.85
13C1900	13C	G002YR24HR	14.82	16.05	0.587	13.93	29.49	13.55	29.41
13C1900	13C	G010YR24HR	14.69	36.35	0.565	14.05	30.38	13.65	30.34
13C1900	13C	G025YR24HR	14.68	52.03	0.565	13.41	30.67	13.31	30.64
13C1900	13C	G100YR24HR	14.63	80.03	0.565	13.32	31.04	13.15	31.00
13C2000	13C	G002YR24HR	12.72	101.77	-96.376	13.48	31.28	13.93	29.49
13C2000	13C	G010YR24HR	31.74	25.87	-19.736	13.62	31.52	14.05	30.38
13C2000	13C	G025YR24HR	44.44	25.49	-19.356	13.58	31.66	13.41	30.67
13C2000	13C	G100YR24HR	11.71	111.55	-106.209	13.47	31.90	13.32	31.04
13C2100C	13C	G002YR24HR	13.15	10.23	0.241	13.16	31.96	13.15	31.13
13C2100C	13C	G010YR24HR	13.22	19.17	0.241	13.24	32.79	13.22	31.71
13C2100C	13C	G025YR24HR	13.36	25.04	0.241	13.37	33.32	13.04	32.45
13C2100C	13C	G100YR24HR	13.35	32.55	0.241	13.35	34.14	12.42	32.45
13C2300W	13C	G002YR24HR	24.12	2.66	-0.001	23.79	31.94	13.16	31.96
13C2300W	13C	G010YR24HR	26.26	6.35	0.041	20.43	32.80	13.24	32.79
13C2300W	13C	G025YR24HR	26.31	7.80	0.047	21.20	33.50	13.37	33.32
13C2300W	13C	G100YR24HR	26.67	10.01	-0.789	22.82	34.78	13.35	34.14
13C2301W	13C	G002YR24HR	0.00	0.00	0.000	23.79	31.94	13.16	31.96
13C2301W	13C	G010YR24HR	0.00	0.00	0.000	20.43	32.80	13.24	32.79
13C2301W	13C	G025YR24HR	0.00	0.00	0.000	21.20	33.50	13.37	33.32
13C2301W	13C	G100YR24HR	0.00	0.00	0.000	22.82	34.78	13.35	34.14
13D0150	13D	G002YR24HR	12.36	159.36	-0.810	14.17	32.24	14.18	32.24
13D0150	13D	G010YR24HR	12.26	295.38	-1.879	14.24	33.35	14.24	33.34
13D0150	13D	G025YR24HR	12.26	381.18	-2.223	14.11	33.97	14.11	33.97
13D0150	13D	G100YR24HR	12.24	540.66	-3.005	13.88	34.72	13.89	34.72
13D0150W	13D	G002YR24HR	0.00	0.00	0.000	14.17	32.24	14.18	32.24
13D0150W	13D	G010YR24HR	0.00	0.00	0.000	14.24	33.35	14.24	33.34
13D0150W	13D	G025YR24HR	13.19	36.69	0.021	14.11	33.97	14.11	33.97
13D0150W	13D	G100YR24HR	12.54	189.20	0.075	13.88	34.72	13.89	34.72
13D0160C_1	13D	G002YR24HR	12.07	0.59	-0.019	14.30	32.25	14.17	32.24
13D0160C_1	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_1	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_1	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_2	13D	G002YR24HR	12.07	0.59	-0.019	14.30	32.25	14.17	32.24
13D0160C_2	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_2	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_2	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_3	13D	G002YR24HR	12.07	0.59	-0.019	14.30	32.25	14.17	32.24
13D0160C_3	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_3	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_3	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_4	13D	G002YR24HR	12.07	0.59	-0.019	14.30	32.25	14.17	32.24
13D0160C_4	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_4	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_4	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_5	13D	G002YR24HR	12.07	0.59	-0.019	14.30	32.25	14.17	32.24
13D0160C_5	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_5	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_5	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160W	13D	G002YR24HR	15.56	3.93	-0.001	14.30	32.25	14.17	32.24
13D0160W	13D	G010YR24HR	15.81	9.50	-0.005	14.41	33.36	14.24	33.35
13D0160W	13D	G025YR24HR	16.38	11.48	-0.006	14.30	33.98	14.11	33.97
13D0160W	13D	G100YR24HR	16.06	11.74	-0.008	14.10	34.74	13.88	34.72
13D0200	13D	G002YR24HR	12.35	166.60	-0.078	12.36	33.44	14.17	32.24
13D0200	13D	G010YR24HR	12.26	320.04	-0.329	12.27	34.73	14.24	33.35
13D0200	13D	G025YR24HR	12.25	422.81	0.424	12.26	35.38	14.11	33.97
13D0200	13D	G100YR24HR	12.23	602.90	-0.644	12.25	36.24	13.88	34.72
13D0300S	13D	G002YR24HR	12.31	85.84	3.788	12.31	37.15	12.31	33.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13D0300S	13D	G010YR24HR	12.23	90.68	3.812	12.23	37.45	12.23	33.63
13D0300S	13D	G025YR24HR	12.20	93.34	4.020	12.20	37.62	15.85	33.69
13D0300S	13D	G100YR24HR	12.06	96.15	9.161	12.22	38.07	12.25	36.24
13D0320S	13D	G002YR24HR	12.39	84.39	3.704	12.34	38.82	12.31	37.15
13D0320S	13D	G010YR24HR	12.28	87.78	-3.696	12.25	39.26	12.23	37.45
13D0320S	13D	G025YR24HR	12.28	89.47	3.681	12.24	39.50	12.20	37.62
13D0320S	13D	G100YR24HR	12.57	90.76	-3.708	12.22	39.88	12.22	38.07
13D0340S	13D	G002YR24HR	13.36	55.88	0.213	12.35	38.92	12.34	38.82
13D0340S	13D	G010YR24HR	13.99	56.33	-0.219	12.25	39.38	12.25	39.26
13D0340S	13D	G025YR24HR	14.28	56.87	-0.209	12.23	39.64	12.24	39.50
13D0340S	13D	G100YR24HR	14.91	56.37	-0.213	12.22	40.05	12.22	39.88
13D0500	13D	G002YR24HR	12.37	118.56	3.924	12.35	39.00	12.35	38.92
13D0500	13D	G010YR24HR	12.25	229.41	-3.922	12.25	39.56	12.25	39.38
13D0500	13D	G025YR24HR	12.22	303.56	3.922	12.23	39.89	12.23	39.64
13D0500	13D	G100YR24HR	12.21	433.19	-4.306	12.21	40.28	12.22	40.05
13D0600C	13D	G002YR24HR	12.41	94.27	-0.096	12.40	40.26	12.35	39.00
13D0600C	13D	G010YR24HR	12.67	121.37	-0.097	12.25	41.54	12.25	39.56
13D0600C	13D	G025YR24HR	12.89	121.49	-0.089	12.22	41.70	12.23	39.89
13D0600C	13D	G100YR24HR	13.18	121.60	-0.089	12.21	41.90	12.21	40.28
13D0750	13D	G002YR24HR	12.35	90.37	0.022	12.39	40.56	12.40	40.26
13D0750	13D	G010YR24HR	12.26	172.09	0.046	12.26	41.87	12.25	41.54
13D0750	13D	G025YR24HR	12.25	227.45	0.071	12.23	42.16	12.22	41.70
13D0750	13D	G100YR24HR	12.22	324.59	0.077	12.22	42.61	12.21	41.90
13D0800	13D	G002YR24HR	12.35	51.84	0.007	12.37	41.21	12.39	40.56
13D0800	13D	G010YR24HR	12.34	96.39	0.016	12.28	42.30	12.26	41.87
13D0800	13D	G025YR24HR	12.34	128.01	0.021	12.27	42.66	12.23	42.16
13D0800	13D	G100YR24HR	12.33	183.71	0.025	12.26	43.20	12.22	42.61
13F0200	13F	G002YR24HR	25.37	14.83	0.376	25.09	46.04	12.55	44.39
13F0200	13F	G010YR24HR	25.86	25.35	0.376	31.96	46.42	34.72	45.52
13F0200	13F	G025YR24HR	24.62	45.04	0.376	24.87	46.89	31.93	46.26
13F0200	13F	G100YR24HR	19.36	90.41	0.376	24.38	47.63	27.67	47.31
13F0300C	13F	G002YR24HR	25.36	6.98	0.557	25.36	46.93	25.36	46.43
13F0300C	13F	G010YR24HR	25.90	12.42	0.557	25.90	47.65	25.14	46.75
13F0300C	13F	G025YR24HR	24.58	15.50	0.557	24.58	48.02	24.34	46.90
13F0300C	13F	G100YR24HR	15.86	17.08	0.557	20.12	48.37	24.38	47.63
13F0301C	13F	G002YR24HR	25.36	7.85	0.992	25.36	46.93	25.36	46.32
13F0301C	13F	G010YR24HR	25.90	12.95	0.992	25.90	47.65	25.60	46.62
13F0301C	13F	G025YR24HR	24.66	16.14	0.992	24.58	48.02	24.87	46.89
13F0301C	13F	G100YR24HR	15.43	16.84	0.992	20.12	48.37	24.38	47.63
13F0405W_1	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_1	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_1	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.58	48.02
13F0405W_1	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.12	48.37
13F0405W_2	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_2	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_2	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.58	48.02
13F0405W_2	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.12	48.37
13F0415C_1	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_1	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_1	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_1	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_2	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_2	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_2	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_2	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_3	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_3	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_3	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_3	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_4	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_4	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_4	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_4	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0425C_1	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_1	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_1	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F0425C_1	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_2	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_2	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_2	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_2	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_3	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_3	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_3	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_3	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_4	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_4	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_4	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_4	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_5	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_5	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_5	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_5	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_6	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_6	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_6	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_6	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_7	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_7	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_7	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_7	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_8	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_8	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_8	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_8	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0435W	13F	G002YR24HR	14.20	5.76	0.000	14.20	49.18	25.36	46.93
13F0435W	13F	G010YR24HR	13.51	14.90	0.001	13.51	49.48	25.90	47.65
13F0435W	13F	G025YR24HR	13.40	20.98	0.002	13.40	49.62	24.58	48.02
13F0435W	13F	G100YR24HR	13.37	30.31	-0.002	13.37	49.82	20.12	48.37
13F0445C	13F	G002YR24HR	12.93	7.04	0.103	14.10	49.21	14.20	49.18
13F0445C	13F	G010YR24HR	13.16	15.45	0.103	13.34	49.71	13.51	49.48
13F0445C	13F	G025YR24HR	13.15	21.26	0.103	13.24	50.09	13.40	49.62
13F0445C	13F	G100YR24HR	13.18	30.26	-0.103	13.22	50.77	13.37	49.82
13F0445W	13F	G002YR24HR	0.00	0.00	0.000	14.10	49.21	25.36	46.93
13F0445W	13F	G010YR24HR	0.00	0.00	0.000	13.34	49.71	25.90	47.65
13F0445W	13F	G025YR24HR	0.00	0.00	0.000	13.24	50.09	24.58	48.02
13F0445W	13F	G100YR24HR	0.00	0.00	0.000	13.22	50.77	20.12	48.37
13F0600D	13F	G002YR24HR	12.92	9.53	0.001	12.92	50.76	25.36	46.93
13F0600D	13F	G010YR24HR	12.78	12.31	0.001	12.78	50.99	25.90	47.65
13F0600D	13F	G025YR24HR	12.67	13.22	0.001	12.67	51.09	24.58	48.02
13F0600D	13F	G100YR24HR	12.50	14.21	0.001	12.50	51.21	20.12	48.37
13F0750	13F	G002YR24HR	17.58	9.82	0.003	1.06	53.51	12.92	50.76
13F0750	13F	G010YR24HR	15.64	23.48	0.003	15.69	53.71	12.78	50.99
13F0750	13F	G025YR24HR	16.69	32.53	0.003	16.99	53.81	12.67	51.09
13F0750	13F	G100YR24HR	16.71	52.33	0.005	17.47	54.00	12.50	51.21
13F0800	13F	G002YR24HR	17.67	9.51	0.009	17.69	54.11	1.06	53.51
13F0800	13F	G010YR24HR	15.93	22.72	0.009	15.94	54.50	15.69	53.71
13F0800	13F	G025YR24HR	16.90	31.68	0.009	16.90	54.70	16.99	53.81
13F0800	13F	G100YR24HR	17.04	51.12	0.009	17.02	54.95	17.47	54.00
13F0900C	13F	G002YR24HR	17.62	9.51	9.006	17.64	54.37	17.69	54.11
13F0900C	13F	G010YR24HR	15.90	22.72	9.006	15.90	55.14	15.94	54.50
13F0900C	13F	G025YR24HR	16.84	31.68	9.006	16.82	55.72	16.90	54.70
13F0900C	13F	G100YR24HR	17.02	51.12	9.006	17.02	56.77	16.44	55.09
13F1200D	13F	G002YR24HR	12.98	6.54	0.001	12.98	55.23	17.64	54.37
13F1200D	13F	G010YR24HR	12.22	9.89	0.006	12.30	55.45	15.90	55.14
13F1200D	13F	G025YR24HR	12.05	10.21	0.005	16.79	55.72	16.82	55.72
13F1200D	13F	G100YR24HR	11.91	9.50	-0.002	17.00	56.78	17.02	56.77
13F1200W	13F	G002YR24HR	12.98	15.71	0.007	12.98	55.23	17.64	54.37
13F1200W	13F	G010YR24HR	12.30	107.27	0.061	12.30	55.45	15.90	55.14
13F1200W	13F	G025YR24HR	12.19	164.08	0.060	16.79	55.72	16.82	55.72
13F1200W	13F	G100YR24HR	12.17	245.72	-0.110	17.00	56.78	17.02	56.77

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F1374W	13F	G002YR24HR	17.70	0.75	0.000	17.70	64.97	72.00	60.78
13F1374W	13F	G010YR24HR	12.66	13.72	0.009	12.66	65.10	72.00	64.17
13F1374W	13F	G025YR24HR	12.38	27.40	-0.166	22.52	65.50	22.52	65.50
13F1374W	13F	G100YR24HR	12.22	47.40	-0.166	13.54	65.65	13.54	65.66
13G0100	13G	G002YR24HR	12.86	21.34	0.235	12.77	46.28	38.55	46.17
13G0100	13G	G010YR24HR	12.82	36.78	0.428	34.79	47.47	34.78	47.47
13G0100	13G	G025YR24HR	33.63	56.71	-3.275	33.24	48.18	33.21	48.13
13G0100	13G	G100YR24HR	33.36	102.39	-27.183	29.79	49.52	29.78	49.50
13G0200	13G	G002YR24HR	12.80	21.15	-0.112	12.79	47.05	12.77	46.28
13G0200	13G	G010YR24HR	12.75	36.96	0.018	12.77	47.76	34.79	47.47
13G0200	13G	G025YR24HR	33.47	56.70	0.011	33.32	48.61	33.24	48.18
13G0200	13G	G100YR24HR	31.61	76.26	-0.314	29.90	49.74	29.79	49.52
13G0300C	13G	G002YR24HR	12.74	21.19	-0.499	12.79	47.08	12.79	47.05
13G0300C	13G	G010YR24HR	12.70	37.09	-0.785	12.76	47.80	12.77	47.76
13G0300C	13G	G025YR24HR	33.43	56.70	-0.772	33.34	48.87	33.32	48.61
13G0300C	13G	G100YR24HR	31.45	76.24	-0.318	30.11	50.21	29.90	49.74
13G0500	13G	G002YR24HR	12.68	20.39	-0.077	12.75	47.25	12.79	47.08
13G0500	13G	G010YR24HR	12.65	35.66	-0.023	12.73	47.99	12.76	47.80
13G0500	13G	G025YR24HR	32.89	56.72	-0.023	33.30	48.97	33.34	48.87
13G0500	13G	G100YR24HR	29.83	76.18	-0.023	30.11	50.23	30.11	50.21
13G0550W	13G	G002YR24HR	0.00	0.00	0.000	12.75	47.25	38.40	47.18
13G0550W	13G	G010YR24HR	0.00	0.00	-0.000	12.73	47.99	34.49	48.51
13G0550W	13G	G025YR24HR	12.70	2.82	0.001	33.30	48.97	33.25	49.02
13G0550W	13G	G100YR24HR	12.59	31.76	-0.075	30.11	50.23	30.10	50.25
13G0600	13G	G002YR24HR	12.16	5.32	-0.039	12.74	47.28	12.75	47.25
13G0600	13G	G010YR24HR	12.14	9.90	0.160	12.71	48.02	12.73	47.99
13G0600	13G	G025YR24HR	12.13	13.29	-0.438	33.27	48.97	33.30	48.97
13G0600	13G	G100YR24HR	12.13	19.29	-1.041	30.06	50.23	30.11	50.23
13G1000W	13G	G002YR24HR	14.93	6.21	0.910	38.40	47.18	38.38	47.18
13G1000W	13G	G010YR24HR	61.11	7.75	3.370	34.49	48.51	34.46	48.51
13G1000W	13G	G025YR24HR	72.00	7.88	-3.975	33.25	49.02	33.22	49.03
13G1000W	13G	G100YR24HR	8.40	4.61	-0.198	30.10	50.25	30.07	50.26
13G2000	13G	G002YR24HR	12.23	6.26	-1.558	38.32	47.18	38.38	47.18
13G2000	13G	G010YR24HR	12.23	6.92	4.844	34.47	48.51	34.46	48.51
13G2000	13G	G025YR24HR	13.93	4.36	7.191	33.22	49.02	33.22	49.03
13G2000	13G	G100YR24HR	11.33	1.91	-1.458	30.07	50.26	30.07	50.26
13G2100	13G	G002YR24HR	12.23	7.58	-0.833	38.40	47.18	38.32	47.18
13G2100	13G	G010YR24HR	12.22	11.41	1.673	34.47	48.51	34.47	48.51
13G2100	13G	G025YR24HR	12.05	10.84	2.628	33.24	49.02	33.22	49.02
13G2100	13G	G100YR24HR	11.83	7.81	-0.677	30.08	50.25	30.07	50.26
13G2200W	13G	G002YR24HR	50.31	0.70	0.065	38.40	47.18	38.40	47.18
13G2200W	13G	G010YR24HR	60.46	2.54	-0.990	34.49	48.51	34.47	48.51
13G2200W	13G	G025YR24HR	72.00	2.68	-1.122	33.25	49.02	33.24	49.02
13G2200W	13G	G100YR24HR	0.00	0.00	-0.020	30.10	50.25	30.08	50.25
13H0100W	13H	G002YR24HR	0.00	0.00	0.000	72.00	52.01	34.65	48.78
13H0100W	13H	G010YR24HR	0.00	0.00	0.000	72.00	52.55	31.92	50.43
13H0100W	13H	G025YR24HR	0.00	0.00	0.000	72.00	52.94	30.58	51.28
13H0100W	13H	G100YR24HR	21.89	13.46	0.000	21.89	53.24	26.54	52.72
13H0120D	13H	G002YR24HR	13.75	2.14	0.000	13.75	55.07	72.00	52.01
13H0120D	13H	G010YR24HR	13.90	3.51	0.001	13.90	56.19	72.00	52.55
13H0120D	13H	G025YR24HR	14.11	4.28	0.001	14.11	57.06	72.00	52.94
13H0120D	13H	G100YR24HR	12.92	15.52	0.003	12.92	58.19	21.89	53.24
13H0200W	13H	G002YR24HR	0.00	0.00	0.000	25.50	56.60	72.00	52.01
13H0200W	13H	G010YR24HR	0.00	0.00	0.000	25.50	57.85	72.00	52.55
13H0200W	13H	G025YR24HR	0.00	0.00	0.000	25.50	58.72	72.00	52.94
13H0200W	13H	G100YR24HR	0.00	0.00	0.000	25.50	60.11	21.89	53.24
13H0320D	13H	G002YR24HR	14.80	0.45	-0.487	24.37	55.88	25.50	55.87
13H0320D	13H	G010YR24HR	13.68	1.44	-0.487	24.11	56.59	27.16	56.55
13H0320D	13H	G025YR24HR	13.71	1.99	-0.487	18.67	57.17	29.47	57.02
13H0320D	13H	G100YR24HR	13.06	10.50	-0.487	13.07	57.84	25.50	57.81
13I0200C	13I	G002YR24HR	26.65	26.49	-36.989	33.34	51.74	33.55	51.70
13I0200C	13I	G010YR24HR	21.58	38.24	-36.989	30.93	52.83	30.99	52.76
13I0200C	13I	G025YR24HR	12.42	44.42	-36.989	30.05	53.39	29.86	53.29
13I0200C	13I	G100YR24HR	12.42	60.43	-36.989	26.49	54.15	26.28	53.96
13I0201C	13I	G002YR24HR	27.43	18.46	-20.324	33.34	51.74	33.55	51.70
13I0201C	13I	G010YR24HR	30.57	38.16	-20.324	30.93	52.83	30.99	52.76

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I0201C	13I	G025YR24HR	32.79	51.99	-20.324	30.05	53.39	29.86	53.29
13I0201C	13I	G100YR24HR	50.39	62.65	-20.324	26.49	54.15	26.28	53.96
13I0400	13I	G002YR24HR	27.03	44.96	2.020	27.03	53.51	27.03	51.87
13I0400	13I	G010YR24HR	30.39	74.19	2.020	30.41	54.08	30.93	52.83
13I0400	13I	G025YR24HR	33.18	91.00	2.020	32.76	54.37	30.05	53.39
13I0400	13I	G100YR24HR	33.99	112.13	2.020	31.05	54.81	26.49	54.15
13I0500C_1	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_1	13I	G010YR24HR	30.37	37.09	-2.014	30.38	55.31	30.41	54.08
13I0500C_1	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.54	54.22
13I0500C_1	13I	G100YR24HR	33.96	56.06	-2.014	33.96	58.51	15.33	54.23
13I0500C_2	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_2	13I	G010YR24HR	30.37	37.09	-2.014	30.38	55.31	30.41	54.08
13I0500C_2	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.54	54.22
13I0500C_2	13I	G100YR24HR	33.96	56.06	-2.014	33.96	58.51	15.33	54.23
13I0605D	13I	G002YR24HR	24.22	0.64	0.000	24.29	54.75	27.01	53.96
13I0605D	13I	G010YR24HR	15.40	4.79	-0.001	15.49	55.81	30.38	55.31
13I0605D	13I	G025YR24HR	14.58	9.86	-0.022	14.64	56.67	33.16	56.45
13I0605D	13I	G100YR24HR	13.97	20.56	-2.481	33.96	58.51	33.96	58.51
13I0615C	13I	G002YR24HR	24.50	0.57	-0.220	24.29	54.75	24.29	54.75
13I0615C	13I	G010YR24HR	14.79	4.00	-0.220	15.48	55.81	15.49	55.81
13I0615C	13I	G025YR24HR	13.94	8.64	-0.220	14.64	56.69	14.64	56.67
13I0615C	13I	G100YR24HR	13.71	18.72	-0.220	33.95	58.51	33.96	58.51
13I0630W	13I	G002YR24HR	0.00	0.00	0.000	26.43	62.60	19.08	59.22
13I0630W	13I	G010YR24HR	24.31	2.11	0.000	24.31	63.17	20.08	60.62
13I0630W	13I	G025YR24HR	17.86	8.24	0.000	17.86	63.28	20.50	61.49
13I0630W	13I	G100YR24HR	14.01	35.00	0.004	14.01	63.53	19.37	62.86
13I0700	13I	G002YR24HR	27.95	31.06	0.383	27.95	56.71	27.95	55.34
13I0700	13I	G010YR24HR	19.91	67.74	0.383	19.91	57.55	19.91	55.96
13I0700	13I	G025YR24HR	20.56	111.73	0.383	20.56	58.27	20.56	56.55
13I0700	13I	G100YR24HR	19.43	174.23	0.383	19.43	59.08	33.96	58.51
13I0800C_1	13I	G002YR24HR	28.47	22.23	15.987	27.92	56.85	27.95	56.71
13I0800C_1	13I	G010YR24HR	19.90	33.87	16.002	19.91	57.71	19.91	57.55
13I0800C_1	13I	G025YR24HR	20.54	55.87	15.951	20.55	59.69	20.56	58.27
13I0800C_1	13I	G100YR24HR	19.41	87.12	-16.365	19.41	62.55	19.43	59.08
13I0800C_2	13I	G002YR24HR	28.47	22.23	15.987	27.92	56.85	27.95	56.71
13I0800C_2	13I	G010YR24HR	19.90	33.87	16.002	19.91	57.71	19.91	57.55
13I0800C_2	13I	G025YR24HR	20.54	55.87	15.951	20.55	59.69	20.56	58.27
13I0800C_2	13I	G100YR24HR	19.41	87.12	-16.365	19.41	62.55	19.43	59.08
13I1000	13I	G002YR24HR	18.70	28.75	5.666	19.18	59.12	27.92	56.85
13I1000	13I	G010YR24HR	20.00	66.87	6.155	20.02	60.08	19.91	57.71
13I1000	13I	G025YR24HR	20.55	132.38	-56.460	20.55	60.81	20.55	59.69
13I1000	13I	G100YR24HR	13.73	196.46	-62.522	19.37	62.84	19.41	62.55
13I1100C_1	13I	G002YR24HR	31.09	20.41	-19.551	19.08	59.22	19.18	59.12
13I1100C_1	13I	G010YR24HR	20.19	32.79	17.150	20.08	60.62	20.02	60.08
13I1100C_1	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_1	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1100C_2	13I	G002YR24HR	31.09	20.41	-19.551	19.08	59.22	19.18	59.12
13I1100C_2	13I	G010YR24HR	20.19	32.79	17.150	20.08	60.62	20.02	60.08
13I1100C_2	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_2	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1210W	13I	G002YR24HR	0.00	0.00	0.000	27.50	65.73	19.08	59.22
13I1210W	13I	G010YR24HR	13.94	38.15	0.007	13.94	66.46	20.08	60.62
13I1210W	13I	G025YR24HR	13.26	70.14	0.016	13.26	66.67	20.50	61.49
13I1210W	13I	G100YR24HR	12.81	144.89	0.031	12.81	67.06	19.37	62.86
13I1250W	13I	G002YR24HR	13.26	110.31	0.014	13.26	60.07	19.08	59.22
13I1250W	13I	G010YR24HR	12.87	228.21	0.032	19.91	60.63	20.08	60.62
13I1250W	13I	G025YR24HR	12.72	334.69	0.058	20.48	61.50	20.50	61.49
13I1250W	13I	G100YR24HR	12.66	527.99	0.087	19.34	62.86	19.37	62.86
13I1400D	13I	G002YR24HR	12.59	123.50	0.022	12.78	62.42	13.26	60.07
13I1400D	13I	G010YR24HR	12.47	157.34	-0.034	12.72	64.49	19.91	60.63
13I1400D	13I	G025YR24HR	12.28	157.92	-0.037	12.63	64.65	20.48	61.50
13I1400D	13I	G100YR24HR	12.11	157.23	0.013	12.65	64.84	19.34	62.86
13I1502S	13I	G002YR24HR	14.71	37.84	-0.580	12.80	62.94	12.78	62.42
13I1502S	13I	G010YR24HR	14.95	50.52	-0.591	13.57	65.03	12.72	64.49
13I1502S	13I	G025YR24HR	15.50	48.61	-0.623	13.56	65.39	12.63	64.65
13I1502S	13I	G100YR24HR	13.63	47.11	-1.471	13.34	65.76	12.65	64.84

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I1504S	13I	G002YR24HR	14.78	37.71	-0.612	12.82	63.35	12.80	62.94
13I1504S	13I	G010YR24HR	15.24	46.19	-0.612	13.66	65.55	13.57	65.03
13I1504S	13I	G025YR24HR	13.48	43.30	0.777	13.54	66.08	13.56	65.39
13I1504S	13I	G100YR24HR	13.02	47.33	1.243	13.22	66.55	13.34	65.76
13I1506S	13I	G002YR24HR	14.83	37.51	3.006	12.96	64.94	12.82	63.35
13I1506S	13I	G010YR24HR	16.07	36.34	-2.645	13.31	66.00	13.66	65.55
13I1506S	13I	G025YR24HR	16.79	32.86	-2.693	13.24	66.26	13.54	66.08
13I1506S	13I	G100YR24HR	11.51	33.31	-2.711	13.12	66.59	13.22	66.55
13I1507S	13I	G002YR24HR	17.42	19.00	3.735	13.02	65.36	12.96	64.94
13I1507S	13I	G010YR24HR	16.45	17.79	-3.296	13.30	66.01	13.31	66.00
13I1507S	13I	G025YR24HR	11.02	17.06	-3.225	13.24	66.26	13.24	66.26
13I1507S	13I	G100YR24HR	9.91	16.92	-3.200	13.12	66.59	13.12	66.59
13I1507X	13I	G002YR24HR	13.02	0.00	0.000	13.02	65.36	12.96	64.94
13I1507X	13I	G010YR24HR	12.74	13.13	0.649	13.30	66.01	13.31	66.00
13I1507X	13I	G025YR24HR	12.51	16.09	0.632	13.24	66.26	13.24	66.26
13I1507X	13I	G100YR24HR	12.30	18.48	3.979	13.12	66.59	13.12	66.59
13I1508S	13I	G002YR24HR	14.37	19.21	7.653	12.97	65.10	12.96	64.94
13I1508S	13I	G010YR24HR	15.88	18.62	-7.643	13.31	66.00	13.31	66.00
13I1508S	13I	G025YR24HR	11.88	17.36	6.296	13.26	66.26	13.24	66.26
13I1508S	13I	G100YR24HR	11.63	17.89	6.307	13.14	66.59	13.12	66.59
13I1510S	13I	G002YR24HR	14.39	19.15	-0.171	12.98	65.35	12.97	65.10
13I1510S	13I	G010YR24HR	15.90	18.55	-0.234	13.30	66.00	13.31	66.00
13I1510S	13I	G025YR24HR	11.89	17.93	0.384	13.29	66.25	13.26	66.26
13I1510S	13I	G100YR24HR	11.71	18.23	-0.395	13.15	66.60	13.14	66.59
13I1510X	13I	G002YR24HR	12.98	0.00	-0.000	12.98	65.35	12.98	63.95
13I1510X	13I	G010YR24HR	13.07	26.09	0.006	13.30	66.00	13.66	65.55
13I1510X	13I	G025YR24HR	12.90	47.72	0.007	13.29	66.25	13.54	66.08
13I1510X	13I	G100YR24HR	12.67	79.87	0.014	13.15	66.60	13.22	66.55
13I1512S	13I	G002YR24HR	16.15	14.54	-7.178	13.02	65.36	12.98	65.35
13I1512S	13I	G010YR24HR	17.17	13.85	-7.674	13.30	66.01	13.30	66.00
13I1512S	13I	G025YR24HR	11.24	12.44	-9.508	13.24	66.26	13.29	66.25
13I1512S	13I	G100YR24HR	10.24	12.36	9.802	13.12	66.59	13.15	66.60
13I1512W	13I	G002YR24HR	0.00	0.00	0.000	13.02	65.36	12.98	65.35
13I1512W	13I	G010YR24HR	0.00	0.00	0.000	13.30	66.01	13.30	66.00
13I1512W	13I	G025YR24HR	13.05	3.38	0.001	13.24	66.26	13.29	66.25
13I1512W	13I	G100YR24HR	12.69	10.50	-0.053	13.12	66.59	13.15	66.60
13I1514S	13I	G002YR24HR	15.77	32.19	0.027	13.62	65.72	13.02	65.36
13I1514S	13I	G010YR24HR	16.98	30.93	0.026	13.19	66.15	13.30	66.01
13I1514S	13I	G025YR24HR	17.53	27.14	0.024	13.01	66.32	13.24	66.26
13I1514S	13I	G100YR24HR	10.41	25.14	-0.124	12.98	66.59	13.12	66.59
13I1514W	13I	G002YR24HR	0.00	0.00	0.000	13.62	65.72	12.96	64.94
13I1514W	13I	G010YR24HR	13.19	6.05	0.001	13.19	66.15	13.31	66.00
13I1514W	13I	G025YR24HR	12.94	15.35	0.003	13.01	66.32	13.24	66.26
13I1514W	13I	G100YR24HR	12.61	28.56	-0.071	12.98	66.59	13.12	66.59
13J0200C_1	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_1	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_1	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_1	13J	G100YR24HR	12.18	34.92	1.134	12.18	61.87	11.65	59.12
13J0200C_2	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_2	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_2	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_2	13J	G100YR24HR	12.18	34.92	1.134	12.18	61.87	11.65	59.12
13J0200C_3	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_3	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_3	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_3	13J	G100YR24HR	12.18	34.92	1.134	12.18	61.87	11.65	59.12
13J0315W	13J	G002YR24HR	12.44	68.62	0.093	12.44	62.10	12.36	60.44
13J0315W	13J	G010YR24HR	12.25	114.06	-0.260	12.25	63.33	12.25	61.49
13J0315W	13J	G025YR24HR	12.20	141.88	-0.261	12.20	64.05	12.21	61.66
13J0315W	13J	G100YR24HR	12.17	165.81	-0.261	12.18	65.14	12.18	61.87
13J0316W	13J	G002YR24HR	0.00	0.00	0.000	12.44	62.10	12.36	60.44
13J0316W	13J	G010YR24HR	0.00	0.00	0.000	12.25	63.33	12.25	61.49
13J0316W	13J	G025YR24HR	0.00	0.00	0.000	12.20	64.05	12.21	61.66
13J0316W	13J	G100YR24HR	12.18	20.90	0.014	12.18	65.14	12.18	61.87
13J0340S_1	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0340S_1	13J	G010YR24HR	12.25	56.06	-4.365	12.25	64.98	12.25	63.33
13J0340S_1	13J	G025YR24HR	12.11	61.98	-4.390	12.20	66.02	12.20	64.05
13J0340S_1	13J	G100YR24HR	13.63	62.53	-4.338	12.17	66.70	12.18	65.14
13J0340S_2	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30
13J0340S_2	13J	G010YR24HR	12.25	56.06	-4.365	12.25	64.98	12.25	63.33
13J0340S_2	13J	G025YR24HR	12.11	61.98	-4.390	12.20	66.02	12.20	64.05
13J0340S_2	13J	G100YR24HR	13.63	62.53	-4.338	12.17	66.70	12.18	65.14
13J0340X	13J	G002YR24HR	0.00	0.00	0.000	12.46	63.06	12.44	62.10
13J0340X	13J	G010YR24HR	0.00	0.00	0.000	12.25	64.98	12.25	63.33
13J0340X	13J	G025YR24HR	12.20	16.96	0.014	12.20	66.02	12.20	65.23
13J0340X	13J	G100YR24HR	12.17	73.84	0.043	12.17	66.70	12.17	65.78
13J0360S_1	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_1	13J	G010YR24HR	12.95	43.10	-3.900	12.28	65.83	12.25	64.98
13J0360S_1	13J	G025YR24HR	13.30	52.43	-3.771	13.05	67.23	12.20	66.02
13J0360S_1	13J	G100YR24HR	14.26	53.52	-3.972	12.88	67.82	12.17	66.70
13J0360S_2	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_2	13J	G010YR24HR	12.95	43.10	-3.900	12.28	65.83	12.25	64.98
13J0360S_2	13J	G025YR24HR	13.30	52.43	-3.771	13.05	67.23	12.20	66.02
13J0360S_2	13J	G100YR24HR	14.26	53.52	-3.972	12.88	67.82	12.17	66.70
13J0360X	13J	G002YR24HR	0.00	0.00	0.000	12.86	63.74	12.46	63.06
13J0360X	13J	G010YR24HR	0.00	0.00	0.000	12.28	65.83	12.25	64.98
13J0360X	13J	G025YR24HR	12.99	5.96	-0.973	13.05	67.23	12.20	66.02
13J0360X	13J	G100YR24HR	12.88	62.94	-2.255	12.88	67.82	12.17	66.70
13J0400S_1	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_1	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_1	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_1	13J	G100YR24HR	12.92	58.72	-2.236	12.88	73.24	12.88	67.82
13J0400S_2	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_2	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_2	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_2	13J	G100YR24HR	12.92	58.72	-2.236	12.88	73.24	12.88	67.82
13J0400X	13J	G002YR24HR	0.00	0.00	0.000	12.84	68.23	12.86	63.74
13J0400X	13J	G010YR24HR	0.00	0.00	0.000	12.84	68.86	12.28	65.83
13J0400X	13J	G025YR24HR	0.00	0.00	0.000	13.05	71.77	13.05	67.23
13J0400X	13J	G100YR24HR	12.88	29.85	0.007	12.88	73.24	12.88	67.82
13J0500C_1	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_1	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_1	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_1	13J	G100YR24HR	13.60	40.14	0.141	12.93	74.58	12.88	73.24
13J0500C_2	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_2	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_2	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_2	13J	G100YR24HR	13.60	40.14	0.141	12.93	74.58	12.88	73.24
13J0500X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.36	60.44
13J0500X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.25	61.49
13J0500X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	12.21	61.66
13J0500X	13J	G100YR24HR	12.93	9.91	0.052	12.93	74.58	12.93	62.17
13J0501X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	27.01	53.96
13J0501X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	30.38	55.31
13J0501X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	33.16	56.45
13J0501X	13J	G100YR24HR	12.93	5.67	0.031	12.93	74.58	12.93	73.14
13J0640	13J	G002YR24HR	15.10	40.62	0.379	15.39	73.10	12.51	71.55
13J0640	13J	G010YR24HR	12.33	49.07	0.379	13.70	73.25	12.21	72.22
13J0640	13J	G025YR24HR	12.97	63.09	32.506	13.09	73.40	13.09	72.88
13J0640	13J	G100YR24HR	12.93	236.28	-154.580	12.93	75.55	12.93	74.58
13J0680S	13J	G002YR24HR	21.18	43.47	-7.707	15.35	73.47	15.39	73.10
13J0680S	13J	G010YR24HR	13.65	46.73	-7.426	13.67	73.77	13.70	73.25
13J0680S	13J	G025YR24HR	13.28	54.65	-7.638	13.09	74.10	13.09	73.40
13J0680S	13J	G100YR24HR	14.41	54.49	-7.572	12.93	75.80	12.93	75.55
13J0700S	13J	G002YR24HR	15.19	40.34	0.136	15.28	74.25	15.35	73.47
13J0700S	13J	G010YR24HR	13.64	46.74	1.060	13.66	75.15	13.67	73.77
13J0700S	13J	G025YR24HR	12.85	54.65	1.072	13.01	76.18	13.09	74.10
13J0700S	13J	G100YR24HR	14.42	54.45	-2.297	12.91	76.56	12.93	75.80
13J0700W	13J	G002YR24HR	0.00	0.00	0.000	15.28	74.25	15.39	73.10
13J0700W	13J	G010YR24HR	0.00	0.00	0.000	13.66	75.15	13.70	73.25
13J0700W	13J	G025YR24HR	13.01	6.92	0.007	13.01	76.18	13.09	73.40

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0700W	13J	G100YR24HR	12.91	50.72	0.025	12.91	76.56	12.93	75.55
13J0800C_1	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_1	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_1	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_1	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800C_2	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_2	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_2	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_2	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.39	73.10
13J0800X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	13.70	73.25
13J0800X	13J	G025YR24HR	12.99	0.01	0.000	12.99	76.47	12.99	75.95
13J0800X	13J	G100YR24HR	12.91	0.47	0.000	12.91	76.61	12.91	75.99
13J0801X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	27.01	53.96
13J0801X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	30.38	55.31
13J0801X	13J	G025YR24HR	12.99	0.03	0.000	12.99	76.47	12.99	69.96
13J0801X	13J	G100YR24HR	12.91	1.03	0.000	12.91	76.61	12.91	70.02
13J0900	13J	G002YR24HR	15.26	39.84	-0.071	15.24	75.26	15.24	75.07
13J0900	13J	G010YR24HR	12.95	66.11	-21.344	13.64	76.24	13.64	76.22
13J0900	13J	G025YR24HR	16.08	62.72	-20.310	12.99	76.50	12.99	76.47
13J0900	13J	G100YR24HR	12.94	79.54	-20.552	12.92	76.65	12.91	76.61
13J1000C	13J	G002YR24HR	14.99	21.47	1.628	15.17	76.22	15.24	75.26
13J1000C	13J	G010YR24HR	16.82	22.21	1.628	13.39	76.75	13.64	76.24
13J1000C	13J	G025YR24HR	18.91	22.36	1.628	12.93	76.84	12.99	76.50
13J1000C	13J	G100YR24HR	24.50	22.45	1.628	12.86	76.93	12.92	76.65
13J1000X	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.07
13J1000X	13J	G010YR24HR	0.00	0.00	0.000	13.39	76.75	13.64	76.22
13J1000X	13J	G025YR24HR	0.00	0.00	0.000	12.93	76.84	12.99	76.47
13J1000X	13J	G100YR24HR	0.00	0.00	0.000	12.86	76.93	12.91	76.61
13J1001C	13J	G002YR24HR	14.99	18.38	1.722	15.17	76.22	15.24	75.26
13J1001C	13J	G010YR24HR	16.82	19.02	1.722	13.39	76.75	13.64	76.24
13J1001C	13J	G025YR24HR	18.91	19.14	1.722	12.93	76.84	12.99	76.50
13J1001C	13J	G100YR24HR	24.50	19.22	1.722	12.86	76.93	12.92	76.65
13J1100	13J	G002YR24HR	17.59	37.87	1.579	15.18	76.23	15.17	76.22
13J1100	13J	G010YR24HR	25.50	39.40	-1.274	13.40	76.76	13.39	76.75
13J1100	13J	G025YR24HR	26.00	40.07	-1.541	12.93	76.84	12.93	76.84
13J1100	13J	G100YR24HR	13.24	41.73	1.548	12.87	76.94	12.86	76.93
13J1200C_1	13J	G002YR24HR	17.59	18.93	5.648	15.62	76.61	15.18	76.23
13J1200C_1	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_1	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_1	13J	G100YR24HR	13.24	20.85	5.650	13.11	77.41	12.87	76.94
13J1200C_2	13J	G002YR24HR	17.59	18.93	5.648	15.62	76.61	15.18	76.23
13J1200C_2	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_2	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_2	13J	G100YR24HR	13.24	20.85	5.650	13.11	77.41	12.87	76.94
13J1400	13J	G002YR24HR	17.79	37.28	0.145	15.68	76.65	15.62	76.61
13J1400	13J	G010YR24HR	25.52	39.24	0.145	13.88	77.08	13.76	77.06
13J1400	13J	G025YR24HR	26.50	39.98	0.145	13.48	77.19	13.43	77.17
13J1400	13J	G100YR24HR	27.06	40.71	0.282	13.12	77.42	13.11	77.41
13J1400X	13J	G002YR24HR	15.68	1.24	0.000	15.68	76.65	15.68	67.99
13J1400X	13J	G010YR24HR	13.88	18.91	0.003	13.88	77.08	13.88	68.21
13J1400X	13J	G025YR24HR	13.48	25.80	0.005	13.48	77.19	13.48	68.27
13J1400X	13J	G100YR24HR	13.12	43.36	0.008	13.12	77.42	13.12	68.40
13J1500C	13J	G002YR24HR	16.36	37.81	29.941	15.83	76.86	15.68	76.65
13J1500C	13J	G010YR24HR	14.32	49.04	29.941	14.11	77.42	13.88	77.08
13J1500C	13J	G025YR24HR	14.04	54.60	29.941	13.73	77.61	13.48	77.19
13J1500C	13J	G100YR24HR	17.80	57.98	29.941	13.03	77.84	13.12	77.42
13J1800	13J	G002YR24HR	14.66	38.23	0.039	15.66	77.15	15.83	76.86
13J1800	13J	G010YR24HR	12.37	63.52	0.039	13.89	77.73	14.11	77.42
13J1800	13J	G025YR24HR	12.31	79.05	0.039	13.37	77.92	13.73	77.61
13J1800	13J	G100YR24HR	12.50	96.19	-0.079	12.64	78.26	13.03	77.84
13J1805W	13J	G002YR24HR	0.00	0.00	0.000	15.66	77.15	27.50	65.73
13J1805W	13J	G010YR24HR	13.89	27.96	0.004	13.89	77.73	13.94	66.46
13J1805W	13J	G025YR24HR	13.37	48.07	0.009	13.37	77.92	13.26	66.67
13J1805W	13J	G100YR24HR	12.64	100.76	0.014	12.64	78.26	12.81	67.06

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J1810C_1	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_1	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_1	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_1	13J	G100YR24HR	12.53	18.70	2.359	12.53	82.18	12.53	78.96
13J1810C_2	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_2	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_2	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_2	13J	G100YR24HR	12.53	18.70	2.359	12.53	82.18	12.53	78.96
13J1810W	13J	G002YR24HR	0.00	0.00	0.000	13.53	80.12	15.66	77.15
13J1810W	13J	G010YR24HR	0.00	0.00	0.000	13.13	81.23	13.89	77.73
13J1810W	13J	G025YR24HR	0.00	0.00	0.000	13.05	82.01	13.37	77.92
13J1810W	13J	G100YR24HR	12.53	37.18	0.039	12.53	82.18	12.64	78.26
13J1900	13J	G002YR24HR	16.89	31.87	0.766	15.95	77.46	15.66	77.15
13J1900	13J	G010YR24HR	16.53	56.83	0.766	15.50	78.09	13.89	77.73
13J1900	13J	G025YR24HR	16.41	72.44	0.766	15.47	78.34	13.37	77.92
13J1900	13J	G100YR24HR	17.09	98.10	0.766	16.57	78.65	12.64	78.26
13J2000C	13J	G002YR24HR	16.91	31.51	0.771	16.39	77.81	15.95	77.46
13J2000C	13J	G010YR24HR	16.56	56.25	0.771	16.33	78.65	15.50	78.09
13J2000C	13J	G025YR24HR	16.47	71.71	9.863	16.47	79.30	13.45	78.70
13J2000C	13J	G100YR24HR	17.10	97.21	9.863	17.10	80.24	13.03	78.70
13J2200	13J	G002YR24HR	16.87	31.49	0.151	16.97	80.13	16.39	77.81
13J2200	13J	G010YR24HR	16.54	56.24	0.151	16.55	81.16	16.33	78.65
13J2200	13J	G025YR24HR	16.44	71.71	0.151	16.44	81.65	16.47	79.30
13J2200	13J	G100YR24HR	17.06	97.21	0.151	17.06	82.31	17.10	80.24
13J2220C	13J	G002YR24HR	14.06	18.73	-0.846	14.08	81.30	14.06	80.09
13J2220C	13J	G010YR24HR	14.06	37.15	2.480	14.08	82.77	16.55	81.16
13J2220C	13J	G025YR24HR	13.54	43.59	3.891	14.63	83.49	16.44	81.65
13J2220C	13J	G100YR24HR	12.69	44.91	2.641	15.19	84.43	17.06	82.31
13J2221D	13J	G002YR24HR	14.60	2.49	0.000	14.60	87.10	14.08	81.30
13J2221D	13J	G010YR24HR	12.86	16.33	0.003	12.86	87.46	14.08	82.77
13J2221D	13J	G025YR24HR	12.47	21.07	0.005	12.47	87.55	14.63	83.49
13J2221D	13J	G100YR24HR	12.25	25.36	0.006	12.25	87.63	15.19	84.43
13J2221W	13J	G002YR24HR	0.00	0.00	0.000	14.60	87.10	14.08	81.30
13J2221W	13J	G010YR24HR	12.86	0.50	0.000	12.86	87.46	14.08	82.77
13J2221W	13J	G025YR24HR	12.47	20.34	0.013	12.47	87.55	14.63	83.49
13J2221W	13J	G100YR24HR	12.25	47.93	0.025	12.25	87.63	15.19	84.43
13J2222D	13J	G002YR24HR	12.36	13.17	0.003	12.36	88.39	14.60	87.10
13J2222D	13J	G010YR24HR	12.24	25.56	0.004	12.24	88.64	12.86	87.46
13J2222D	13J	G025YR24HR	12.23	33.08	0.005	12.23	88.76	12.47	87.55
13J2222D	13J	G100YR24HR	12.22	45.94	0.007	12.22	88.97	12.25	87.63
13J2222W	13J	G002YR24HR	0.00	0.00	0.000	12.36	88.39	14.60	87.10
13J2222W	13J	G010YR24HR	0.00	0.00	0.000	12.24	88.64	12.86	87.46
13J2222W	13J	G025YR24HR	0.00	0.00	0.000	12.23	88.76	12.47	87.55
13J2222W	13J	G100YR24HR	0.00	0.00	0.000	12.22	88.97	12.25	87.63
13J2231S	13J	G002YR24HR	12.50	42.26	-0.801	16.59	80.18	16.97	80.13
13J2231S	13J	G010YR24HR	12.54	57.17	-0.777	13.80	81.39	16.55	81.16
13J2231S	13J	G025YR24HR	12.68	56.58	-0.827	14.05	82.00	16.44	81.65
13J2231S	13J	G100YR24HR	12.66	56.98	-3.165	14.70	82.76	17.06	82.31
13J2232S	13J	G002YR24HR	12.50	41.68	1.854	13.48	80.48	16.59	80.18
13J2232S	13J	G010YR24HR	12.54	56.24	1.857	13.19	82.30	13.80	81.39
13J2232S	13J	G025YR24HR	12.79	55.82	1.881	13.42	82.94	14.05	82.00
13J2232S	13J	G100YR24HR	12.86	55.95	3.548	13.83	83.71	14.70	82.76
13J2232W	13J	G002YR24HR	0.00	0.00	0.000	13.48	80.48	16.97	80.13
13J2232W	13J	G010YR24HR	13.19	22.41	0.008	13.19	82.30	16.55	81.16
13J2232W	13J	G025YR24HR	13.42	32.20	0.008	13.42	82.94	16.44	81.65
13J2232W	13J	G100YR24HR	13.42	40.54	-2.196	13.83	83.71	17.06	82.31
13J2233D	13J	G002YR24HR	13.08	10.41	-0.001	13.52	81.94	13.48	80.48
13J2233D	13J	G010YR24HR	11.99	8.54	-0.003	13.20	82.33	13.19	82.30
13J2233D	13J	G025YR24HR	11.83	8.75	-0.003	13.42	82.96	13.42	82.94
13J2233D	13J	G100YR24HR	11.50	9.13	-0.067	13.84	83.73	13.83	83.71
13J2233W	13J	G002YR24HR	13.52	8.06	0.002	13.52	81.94	13.48	80.48
13J2233W	13J	G010YR24HR	13.49	42.64	0.013	13.20	82.33	13.19	82.30
13J2233W	13J	G025YR24HR	13.92	52.40	0.005	13.42	82.96	13.42	82.94
13J2233W	13J	G100YR24HR	14.77	60.09	-1.459	13.84	83.73	13.83	83.71
13J2234W	13J	G002YR24HR	14.05	4.19	0.000	14.05	82.85	13.52	81.94
13J2234W	13J	G010YR24HR	13.25	13.01	0.002	13.25	83.29	13.20	82.33

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J2234W	13J	G025YR24HR	13.00	17.22	-0.007	13.26	83.56	13.42	82.96
13J2234W	13J	G100YR24HR	12.84	21.84	-0.007	13.55	84.01	13.84	83.73
13K0200S_1	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_1	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_1	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_1	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0200S_2	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_2	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_2	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_2	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0300S	13K	G002YR24HR	12.32	37.64	0.016	12.26	60.27	12.22	58.04
13K0300S	13K	G010YR24HR	12.60	40.34	0.011	12.15	60.85	12.10	58.36
13K0300S	13K	G025YR24HR	15.95	41.59	0.008	12.10	60.90	12.09	58.46
13K0300S	13K	G100YR24HR	13.84	43.14	0.006	13.74	61.21	12.09	58.61
13K0301S	13K	G002YR24HR	12.31	36.75	0.015	12.26	60.27	12.22	58.04
13K0301S	13K	G010YR24HR	12.60	39.41	0.012	12.15	60.85	12.10	58.36
13K0301S	13K	G025YR24HR	15.95	40.62	0.007	12.10	60.90	12.09	58.46
13K0301S	13K	G100YR24HR	13.84	42.14	0.006	13.74	61.21	12.09	58.61
13K0500S	13K	G002YR24HR	12.54	72.63	-22.392	12.24	61.08	12.26	60.27
13K0500S	13K	G010YR24HR	12.21	74.96	-4.910	12.20	61.87	12.15	60.85
13K0500S	13K	G025YR24HR	15.80	88.28	3.213	15.89	62.30	12.10	60.90
13K0500S	13K	G100YR24HR	12.42	96.52	3.371	13.64	62.76	13.74	61.21
13K0600S	13K	G002YR24HR	12.09	62.59	4.970	12.24	61.68	12.24	61.08
13K0600S	13K	G010YR24HR	14.54	72.25	-11.580	12.61	63.02	12.20	61.87
13K0600S	13K	G025YR24HR	15.96	87.27	-11.655	15.92	64.46	15.89	62.30
13K0600S	13K	G100YR24HR	13.92	89.31	-11.478	13.75	65.02	13.64	62.76
13K0700S	13K	G002YR24HR	12.09	62.88	10.249	12.23	62.69	12.24	61.68
13K0700S	13K	G010YR24HR	13.52	72.14	10.248	12.80	64.37	12.61	63.02
13K0700S	13K	G025YR24HR	19.61	76.54	10.248	15.88	65.25	15.92	64.46
13K0700S	13K	G100YR24HR	22.31	76.55	10.248	13.72	65.73	13.75	65.02
13K0800S	13K	G002YR24HR	13.34	34.09	-1.848	12.76	63.23	12.23	62.69
13K0800S	13K	G010YR24HR	24.64	34.60	-2.089	12.82	64.41	12.80	64.37
13K0800S	13K	G025YR24HR	26.55	35.94	-2.531	15.88	65.27	15.88	65.25
13K0800S	13K	G100YR24HR	28.80	36.10	-2.303	13.72	65.77	13.72	65.73
13K0830W	13K	G002YR24HR	15.04	2.22	-0.307	12.85	63.37	12.76	63.23
13K0830W	13K	G010YR24HR	27.61	2.21	-0.101	12.81	64.40	12.82	64.41
13K0830W	13K	G025YR24HR	30.53	2.21	-0.212	15.88	65.26	15.88	65.27
13K0830W	13K	G100YR24HR	32.77	2.21	0.154	13.72	65.76	13.72	65.77
13K0831W	13K	G002YR24HR	13.10	19.13	0.006	12.85	63.37	12.76	63.23
13K0831W	13K	G010YR24HR	23.00	22.10	0.021	12.81	64.40	12.82	64.41
13K0831W	13K	G025YR24HR	26.55	23.60	0.008	15.88	65.26	15.88	65.27
13K0831W	13K	G100YR24HR	28.80	23.71	-0.032	13.72	65.76	13.72	65.77
13K0840S	13K	G002YR24HR	19.07	20.66	0.221	12.84	63.42	12.76	63.23
13K0840S	13K	G010YR24HR	29.46	20.65	0.221	12.87	64.51	12.82	64.41
13K0840S	13K	G025YR24HR	32.15	20.64	0.221	15.88	65.43	15.88	65.27
13K0840S	13K	G100YR24HR	34.44	20.64	0.221	13.73	65.91	13.72	65.77
13K0870W	13K	G002YR24HR	11.78	0.88	-0.301	12.85	63.37	12.84	63.42
13K0870W	13K	G010YR24HR	11.60	1.12	-0.304	12.81	64.40	12.87	64.51
13K0870W	13K	G025YR24HR	11.18	1.16	-0.303	15.88	65.26	15.88	65.43
13K0870W	13K	G100YR24HR	10.16	1.20	0.311	13.72	65.76	13.73	65.91
13K0871W	13K	G002YR24HR	24.83	0.64	-0.008	12.85	63.37	12.84	63.42
13K0871W	13K	G010YR24HR	32.22	0.68	-0.011	12.81	64.40	12.87	64.51
13K0871W	13K	G025YR24HR	34.52	0.71	-0.009	15.88	65.26	15.88	65.43
13K0871W	13K	G100YR24HR	10.86	0.67	-0.008	13.72	65.76	13.73	65.91
13K1000S	13K	G002YR24HR	13.34	26.60	0.426	12.93	64.34	12.84	63.42
13K1000S	13K	G010YR24HR	14.32	34.37	0.426	13.45	65.90	12.87	64.51
13K1000S	13K	G025YR24HR	22.31	37.21	0.426	15.73	67.20	15.88	65.43
13K1000S	13K	G100YR24HR	25.09	37.27	0.426	13.60	67.52	13.73	65.91
13K1125D	13K	G002YR24HR	13.27	6.05	-0.603	12.95	64.69	12.93	64.34
13K1125D	13K	G010YR24HR	14.26	7.85	0.582	13.70	66.47	13.45	65.90
13K1125D	13K	G025YR24HR	14.82	8.49	-0.601	15.56	67.87	15.73	67.20
13K1125D	13K	G100YR24HR	21.48	8.46	-0.601	13.33	68.13	13.60	67.52
13K1175W	13K	G002YR24HR	12.24	20.10	0.447	12.94	64.69	12.95	64.69
13K1175W	13K	G010YR24HR	12.17	38.29	-0.119	13.69	66.48	13.70	66.47
13K1175W	13K	G025YR24HR	12.19	50.91	1.507	15.54	67.87	15.56	67.87
13K1175W	13K	G100YR24HR	12.28	75.77	1.817	13.33	68.13	13.33	68.13

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K1200S	13K	G002YR24HR	13.03	20.31	2.065	12.94	64.69	12.93	64.34
13K1200S	13K	G010YR24HR	14.23	26.39	2.065	13.69	66.48	13.45	65.90
13K1200S	13K	G025YR24HR	14.75	28.67	2.065	15.54	67.87	15.73	67.20
13K1200S	13K	G100YR24HR	12.63	28.65	2.065	13.33	68.13	13.60	67.52
13K1500	13K	G002YR24HR	12.25	23.20	0.041	12.25	73.73	12.25	65.94
13K1500	13K	G010YR24HR	12.15	39.00	-1.142	12.15	74.31	13.69	66.48
13K1500	13K	G025YR24HR	12.14	46.97	-0.876	12.14	74.57	15.54	67.87
13K1500	13K	G100YR24HR	13.59	78.06	-1.458	12.12	74.94	13.33	68.13
13K1600	13K	G002YR24HR	18.53	19.46	0.299	18.50	74.62	12.25	73.73
13K1600	13K	G010YR24HR	17.04	25.31	0.299	16.00	74.97	12.15	74.31
13K1600	13K	G025YR24HR	14.63	27.52	0.299	12.16	75.10	12.14	74.57
13K1600	13K	G100YR24HR	12.34	33.20	0.299	12.14	75.39	12.12	74.94
13K1700W	13K	G002YR24HR	18.79	18.80	2.486	18.51	74.72	18.50	74.62
13K1700W	13K	G010YR24HR	18.00	24.08	2.486	16.01	75.07	16.00	74.97
13K1700W	13K	G025YR24HR	15.17	24.87	2.486	14.67	75.13	12.16	75.10
13K1700W	13K	G100YR24HR	13.92	27.52	2.486	13.60	75.46	12.14	75.39
13K1710W	13K	G002YR24HR	0.00	0.00	0.000	18.51	74.72	12.25	73.73
13K1710W	13K	G010YR24HR	0.00	0.00	0.000	16.01	75.07	12.15	74.31
13K1710W	13K	G025YR24HR	0.00	0.00	0.000	14.67	75.13	12.14	74.57
13K1710W	13K	G100YR24HR	0.00	0.00	0.000	13.60	75.46	12.12	74.94
13K1720X	13K	G002YR24HR	18.51	0.11	0.000	18.51	74.72	18.51	66.96
13K1720X	13K	G010YR24HR	16.01	16.56	-3.623	16.01	75.07	16.01	67.20
13K1720X	13K	G025YR24HR	14.67	21.28	3.621	14.67	75.13	14.67	67.24
13K1720X	13K	G100YR24HR	13.60	50.31	3.623	13.60	75.46	13.60	67.44
13K1800D	13K	G002YR24HR	18.19	18.89	0.136	18.25	75.48	18.51	74.72
13K1800D	13K	G010YR24HR	16.60	38.77	-1.570	16.24	76.23	16.01	75.07
13K1800D	13K	G025YR24HR	14.82	44.31	-1.569	14.76	76.51	14.67	75.13
13K1800D	13K	G100YR24HR	13.45	46.03	-1.570	13.59	76.86	13.60	75.46
13K2000	13K	G002YR24HR	20.17	4.15	1.701	20.17	79.09	20.17	78.64
13K2000	13K	G010YR24HR	20.23	6.54	1.701	20.23	79.38	20.23	78.76
13K2000	13K	G025YR24HR	20.22	8.24	1.701	20.22	79.53	20.22	78.84
13K2000	13K	G100YR24HR	20.31	10.80	1.701	20.31	79.73	20.31	78.95
13K2100C	13K	G002YR24HR	20.09	4.15	1.888	20.15	79.21	20.17	79.09
13K2100C	13K	G010YR24HR	20.14	6.54	1.888	20.18	79.70	20.23	79.38
13K2100C	13K	G025YR24HR	20.14	8.24	1.888	20.17	80.04	20.22	79.53
13K2100C	13K	G100YR24HR	20.23	10.80	1.888	20.25	80.60	20.31	79.73
13K2220W	13K	G002YR24HR	12.41	14.19	0.004	12.41	80.33	20.15	79.21
13K2220W	13K	G010YR24HR	12.23	31.00	0.005	12.23	80.59	20.18	79.70
13K2220W	13K	G025YR24HR	12.21	40.50	0.006	12.21	80.72	20.17	80.04
13K2220W	13K	G100YR24HR	12.19	56.64	-0.031	12.19	80.91	20.25	80.60
13K3000W	13K	G002YR24HR	12.57	23.12	0.003	12.57	78.23	18.25	75.48
13K3000W	13K	G010YR24HR	12.99	62.21	0.006	12.99	78.44	16.24	76.23
13K3000W	13K	G025YR24HR	12.70	90.26	0.011	12.70	78.54	14.76	76.51
13K3000W	13K	G100YR24HR	12.46	137.93	0.019	12.46	78.68	13.59	76.86
13K3100W	13K	G002YR24HR	12.56	32.01	0.004	12.56	80.87	12.57	78.23
13K3100W	13K	G010YR24HR	12.53	51.78	0.006	12.53	81.38	12.99	78.44
13K3100W	13K	G025YR24HR	12.52	65.71	0.007	12.52	81.69	12.70	78.54
13K3100W	13K	G100YR24HR	12.42	82.24	0.010	12.42	82.02	12.46	78.68
13K3101W	13K	G002YR24HR	0.00	0.00	0.000	12.56	80.87	12.57	78.23
13K3101W	13K	G010YR24HR	0.00	0.00	0.000	12.53	81.38	12.99	78.44
13K3101W	13K	G025YR24HR	0.00	0.00	0.000	12.52	81.69	12.70	78.54
13K3101W	13K	G100YR24HR	12.42	11.45	0.016	12.42	82.02	12.46	78.68
13K4000W	13K	G002YR24HR	14.37	1.11	0.000	14.37	78.23	18.25	75.48
13K4000W	13K	G010YR24HR	13.01	28.15	0.005	13.01	78.44	16.24	76.23
13K4000W	13K	G025YR24HR	12.71	59.12	0.010	12.71	78.54	14.76	76.51
13K4000W	13K	G100YR24HR	12.46	125.19	0.023	12.46	78.68	13.59	76.86
13K4025W	13K	G002YR24HR	15.06	10.16	0.034	14.37	78.23	12.57	78.23
13K4025W	13K	G010YR24HR	14.63	21.49	0.143	13.01	78.44	12.99	78.44
13K4025W	13K	G025YR24HR	15.48	23.64	0.306	12.71	78.54	12.70	78.54
13K4025W	13K	G100YR24HR	15.90	25.67	0.377	12.46	78.68	12.46	78.68
13K4100C_1	13K	G002YR24HR	12.18	12.09	0.087	12.20	80.56	14.37	78.23
13K4100C_1	13K	G010YR24HR	12.94	12.60	0.087	12.97	81.70	13.01	78.44
13K4100C_1	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_1	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4100C_2	13K	G002YR24HR	12.18	12.09	0.087	12.20	80.56	14.37	78.23

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K4100C_2	13K	G010YR24HR	12.94	12.60	0.087	12.97	81.70	13.01	78.44
13K4100C_2	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_2	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4300C	13K	G002YR24HR	12.71	7.72	-0.402	12.72	81.20	12.20	80.56
13K4300C	13K	G010YR24HR	14.63	9.78	0.215	12.60	82.46	12.97	81.70
13K4300C	13K	G025YR24HR	16.18	9.50	0.238	12.35	82.63	13.08	82.32
13K4300C	13K	G100YR24HR	18.89	9.40	-0.541	13.22	83.02	13.23	83.01
13K4325W	13K	G002YR24HR	0.00	0.00	0.000	12.72	81.20	12.20	80.56
13K4325W	13K	G010YR24HR	12.60	8.87	0.004	12.60	82.46	12.97	81.70
13K4325W	13K	G025YR24HR	12.35	27.04	0.015	12.35	82.63	13.08	82.32
13K4325W	13K	G100YR24HR	12.17	55.06	0.036	13.22	83.02	13.23	83.01
13L0010S	13L	G002YR24HR	12.10	9.09	0.003	12.10	53.44	12.10	52.36
13L0010S	13L	G010YR24HR	12.08	11.89	-0.012	12.08	54.08	30.99	52.76
13L0010S	13L	G025YR24HR	12.08	12.17	0.699	12.08	54.15	29.86	53.29
13L0010S	13L	G100YR24HR	13.91	14.54	0.174	14.35	54.50	26.28	53.96
13L0030S	13L	G002YR24HR	4.04	2.95	-2.949	24.30	53.05	12.10	53.44
13L0030S	13L	G010YR24HR	22.50	3.38	-2.949	24.30	53.82	12.08	54.08
13L0030S	13L	G025YR24HR	60.39	2.98	-2.949	18.73	54.13	12.08	54.15
13L0030S	13L	G100YR24HR	1.70	18.64	-18.645	14.33	54.57	14.35	54.50
13L0031W	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	24.30	53.05
13L0031W	13L	G010YR24HR	12.08	5.26	0.014	12.08	54.08	24.30	53.82
13L0031W	13L	G025YR24HR	12.08	10.18	0.014	12.08	54.15	18.73	54.13
13L0031W	13L	G100YR24HR	12.08	18.26	0.019	14.35	54.50	14.33	54.57
13L0200	13L	G002YR24HR	25.13	85.08	0.297	30.37	51.91	33.55	51.70
13L0200	13L	G010YR24HR	23.63	162.62	0.297	28.69	53.03	30.99	52.76
13L0200	13L	G025YR24HR	26.38	201.12	0.442	28.67	53.59	29.86	53.29
13L0200	13L	G100YR24HR	27.98	293.33	0.444	26.98	54.30	26.28	53.96
13L0300C_1	13L	G002YR24HR	25.50	30.58	-0.568	30.08	51.93	30.37	51.91
13L0300C_1	13L	G010YR24HR	25.00	59.67	-0.839	28.41	53.07	28.69	53.03
13L0300C_1	13L	G025YR24HR	43.94	81.56	26.059	27.94	53.81	28.67	53.59
13L0300C_1	13L	G100YR24HR	27.97	100.30	25.199	27.58	54.78	26.98	54.30
13L0300C_2	13L	G002YR24HR	25.50	30.58	-0.568	30.08	51.93	30.37	51.91
13L0300C_2	13L	G010YR24HR	25.00	59.67	-0.839	28.41	53.07	28.69	53.03
13L0300C_2	13L	G025YR24HR	43.94	81.56	26.059	27.94	53.81	28.67	53.59
13L0300C_2	13L	G100YR24HR	27.97	100.30	25.199	27.58	54.78	26.98	54.30
13L0301C	13L	G002YR24HR	25.50	23.90	-0.459	30.08	51.93	30.37	51.91
13L0301C	13L	G010YR24HR	23.65	45.30	-2.804	28.41	53.07	28.69	53.03
13L0301C	13L	G025YR24HR	26.36	63.59	-17.296	27.94	53.81	28.67	53.59
13L0301C	13L	G100YR24HR	27.97	92.72	15.806	27.58	54.78	26.98	54.30
13L0800	13L	G002YR24HR	26.83	74.90	-3.352	30.04	51.94	30.08	51.93
13L0800	13L	G010YR24HR	24.70	139.04	-4.193	28.36	53.08	28.41	53.07
13L0800	13L	G025YR24HR	26.12	173.51	-4.762	27.92	53.81	27.94	53.81
13L0800	13L	G100YR24HR	27.39	262.21	-6.160	27.58	54.79	27.58	54.78
13L0810W	13L	G002YR24HR	12.39	33.90	1.485	30.04	51.94	30.04	51.94
13L0810W	13L	G010YR24HR	12.33	59.70	-2.026	28.36	53.08	28.36	53.08
13L0810W	13L	G025YR24HR	12.31	77.50	-3.705	27.92	53.81	27.92	53.81
13L0810W	13L	G100YR24HR	12.24	103.77	-6.548	27.58	54.79	27.58	54.79
13L0900B	13L	G002YR24HR	25.33	79.20	-0.005	28.15	52.13	30.04	51.94
13L0900B	13L	G010YR24HR	22.03	152.18	-0.007	26.40	53.32	28.36	53.08
13L0900B	13L	G025YR24HR	20.60	200.06	-0.009	26.74	54.08	27.92	53.81
13L0900B	13L	G100YR24HR	24.41	269.79	-0.012	26.80	55.14	27.58	54.79
13L101PS	13L	G002YR24HR	12.21	4.90	4.900	14.70	54.65	28.15	52.13
13L101PS	13L	G010YR24HR	11.52	4.90	4.900	13.06	54.93	26.40	53.32
13L101PS	13L	G025YR24HR	10.60	4.90	4.900	12.80	55.03	26.74	54.08
13L101PS	13L	G100YR24HR	9.12	4.90	4.900	12.60	55.17	26.80	55.14
13L1200	13L	G002YR24HR	16.23	98.03	-0.503	27.95	52.14	28.15	52.13
13L1200	13L	G010YR24HR	15.51	210.14	-0.503	26.38	53.32	26.40	53.32
13L1200	13L	G025YR24HR	14.29	258.87	-0.503	26.73	54.08	26.74	54.08
13L1200	13L	G100YR24HR	13.13	294.92	-0.503	26.79	55.14	26.80	55.14
13L1200W	13L	G002YR24HR	0.00	0.00	0.000	27.95	52.14	28.15	52.13
13L1200W	13L	G010YR24HR	19.34	36.47	0.004	26.38	53.32	26.40	53.32
13L1200W	13L	G025YR24HR	16.90	52.76	0.005	26.73	54.08	26.74	54.08
13L1200W	13L	G100YR24HR	14.78	71.55	-0.006	26.79	55.14	26.80	55.14
13L1202W	GEE	G002YR24HR	0.00	0.00	0.000	13.22	59.61	12.96	58.82
13L1202W	GEE	G010YR24HR	13.92	7.37	0.005	13.63	61.19	13.63	61.19
13L1202W	GEE	G025YR24HR	14.31	7.54	0.007	13.99	61.94	13.99	61.93

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L1202W	GEE	G100YR24HR	14.50	7.70	0.008	14.46	63.01	14.46	63.01
13L1203C	GEE	G002YR24HR	12.96	6.45	0.005	12.96	58.82	31.64	52.12
13L1203C	GEE	G010YR24HR	13.03	8.84	0.006	13.63	61.19	31.48	53.26
13L1203C	GEE	G025YR24HR	13.03	8.96	0.002	13.99	61.93	31.24	54.01
13L1203C	GEE	G100YR24HR	13.24	9.07	-0.002	14.46	63.01	26.05	55.14
13L1400	13L	G002YR24HR	14.76	136.78	0.135	24.33	52.27	27.95	52.14
13L1400	13L	G010YR24HR	14.85	277.25	0.135	24.60	53.39	26.38	53.32
13L1400	13L	G025YR24HR	14.47	361.25	6.235	25.37	54.13	26.73	54.08
13L1400	13L	G100YR24HR	14.14	496.31	6.091	25.98	55.20	26.79	55.14
13L1500B	13L	G002YR24HR	14.74	136.94	0.005	15.45	52.57	24.33	52.27
13L1500B	13L	G010YR24HR	14.84	277.48	0.011	15.42	53.79	24.60	53.39
13L1500B	13L	G025YR24HR	14.77	359.02	0.025	15.04	54.35	25.37	54.13
13L1500B	13L	G100YR24HR	14.08	495.27	0.048	24.35	55.45	25.98	55.20
13L1700	13L	G002YR24HR	14.73	136.99	-0.200	15.10	52.75	15.45	52.57
13L1700	13L	G010YR24HR	14.84	277.59	-0.200	15.19	53.94	15.42	53.79
13L1700	13L	G025YR24HR	14.76	359.06	-0.200	14.96	54.51	15.04	54.35
13L1700	13L	G100YR24HR	14.08	495.38	-0.200	24.26	55.48	24.35	55.45
13L1800D	13L	G002YR24HR	12.72	234.12	0.025	12.72	54.77	15.10	52.75
13L1800D	13L	G010YR24HR	12.79	379.20	37.508	12.54	55.71	15.19	53.94
13L1800D	13L	G025YR24HR	12.79	460.45	53.426	12.83	56.21	14.96	54.51
13L1800D	13L	G100YR24HR	12.58	572.53	45.217	13.11	57.15	24.26	55.48
13L1850B	13L	G002YR24HR	12.91	154.20	0.016	12.75	55.14	12.72	54.77
13L1850B	13L	G010YR24HR	13.93	272.01	78.157	13.06	56.10	12.54	55.71
13L1850B	13L	G025YR24HR	17.14	263.70	79.581	13.16	56.62	12.83	56.21
13L1850B	13L	G100YR24HR	11.93	179.41	78.353	13.13	57.22	13.11	57.15
13L1890C	13L	G002YR24HR	15.76	32.30	-0.259	15.76	55.89	12.75	55.14
13L1890C	13L	G010YR24HR	19.76	37.59	2.332	14.64	56.74	13.06	56.10
13L1890C	13L	G025YR24HR	25.15	35.67	1.360	14.42	57.20	13.16	56.62
13L1890C	13L	G100YR24HR	11.69	27.44	-0.433	14.80	58.09	13.13	57.22
13L1890D	13L	G002YR24HR	12.53	84.66	0.656	12.60	55.68	12.72	54.77
13L1890D	13L	G010YR24HR	12.14	100.46	0.666	12.36	56.56	12.54	55.71
13L1890D	13L	G025YR24HR	12.05	100.07	0.666	12.27	56.78	12.83	56.21
13L1890D	13L	G100YR24HR	11.93	98.67	1.055	13.06	57.15	13.11	57.15
13L1890W_1	13L	G002YR24HR	0.00	0.00	0.000	12.60	55.68	15.10	52.75
13L1890W_1	13L	G010YR24HR	0.00	0.00	0.000	12.36	56.56	15.19	53.94
13L1890W_1	13L	G025YR24HR	12.27	15.34	0.012	12.27	56.78	14.96	54.51
13L1890W_1	13L	G100YR24HR	13.06	143.38	0.038	13.06	57.15	24.26	55.48
13L1890W_2	13L	G002YR24HR	0.00	0.00	0.000	12.60	55.68	12.72	54.77
13L1890W_2	13L	G010YR24HR	12.36	116.22	0.061	12.36	56.56	12.54	55.71
13L1890W_2	13L	G025YR24HR	12.27	191.29	0.091	12.27	56.78	12.83	56.21
13L1890W_2	13L	G100YR24HR	12.20	277.42	-0.662	13.06	57.15	13.11	57.15
13L1900D	13L	G002YR24HR	15.76	61.39	0.004	15.76	55.89	12.75	55.14
13L1900D	13L	G010YR24HR	14.83	181.73	0.050	14.64	56.74	13.06	56.10
13L1900D	13L	G025YR24HR	14.99	235.10	0.066	14.42	57.20	13.16	56.62
13L1900D	13L	G100YR24HR	15.21	303.34	12.031	14.80	58.09	13.13	57.22
13L1925W	13L	G002YR24HR	13.55	34.20	-0.011	15.76	55.89	15.76	55.89
13L1925W	13L	G010YR24HR	20.21	34.63	0.232	14.64	56.74	14.64	56.74
13L1925W	13L	G025YR24HR	11.97	50.50	0.430	14.42	57.20	14.42	57.20
13L1925W	13L	G100YR24HR	11.08	45.10	1.001	14.80	58.09	14.80	58.09
13L1945W	13L	G002YR24HR	0.00	0.00	0.000	15.76	55.89	12.75	55.14
13L1945W	13L	G010YR24HR	0.00	0.00	0.000	14.64	56.74	13.06	56.10
13L1945W	13L	G025YR24HR	0.00	0.00	0.000	14.42	57.20	13.16	56.62
13L1945W	13L	G100YR24HR	0.00	0.00	0.000	14.80	58.09	13.13	57.22
13L1951W	GEE	G002YR24HR	14.81	0.53	0.000	14.81	56.35	15.76	55.89
13L1951W	GEE	G010YR24HR	12.52	6.41	0.019	14.65	56.74	14.64	56.74
13L1951W	GEE	G025YR24HR	12.34	11.91	0.101	14.43	57.20	14.42	57.20
13L1951W	GEE	G100YR24HR	12.18	20.70	0.473	14.80	58.10	14.80	58.09
13L1960B	13L	G002YR24HR	12.83	111.13	-25.893	14.84	55.99	15.76	55.89
13L1960B	13L	G010YR24HR	12.39	120.94	-26.097	14.63	56.75	14.64	56.74
13L1960B	13L	G025YR24HR	12.15	113.49	-26.052	14.42	57.21	14.42	57.20
13L1960B	13L	G100YR24HR	11.71	97.11	-22.443	14.79	58.10	14.80	58.09
13L1965W	13L	G002YR24HR	14.59	26.29	0.003	14.84	55.99	15.76	55.89
13L1965W	13L	G010YR24HR	12.82	111.65	-0.019	14.63	56.75	14.64	56.74
13L1965W	13L	G025YR24HR	12.51	142.53	-0.042	14.42	57.21	14.42	57.20
13L1965W	13L	G100YR24HR	12.23	154.49	-0.054	14.79	58.10	14.80	58.09

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2000B	13L	G002YR24HR	12.52	102.48	0.011	13.45	56.33	14.84	55.99
13L2000B	13L	G010YR24HR	12.35	148.37	-34.433	12.74	56.89	14.63	56.75
13L2000B	13L	G025YR24HR	12.24	151.84	-34.418	14.41	57.22	14.42	57.21
13L2000B	13L	G100YR24HR	12.11	151.09	-32.749	14.79	58.10	14.79	58.10
13L2100S	13L	G002YR24HR	12.53	93.91	0.017	12.53	60.63	12.53	57.46
13L2100S	13L	G010YR24HR	12.63	144.85	0.024	12.63	62.54	12.63	58.13
13L2100S	13L	G025YR24HR	12.55	152.14	0.024	12.55	62.88	12.55	58.23
13L2100S	13L	G100YR24HR	13.83	243.83	0.022	13.83	68.60	13.20	59.78
13L2200D	13L	G002YR24HR	12.53	93.91	0.011	12.53	65.05	12.53	60.63
13L2200D	13L	G010YR24HR	12.62	144.85	0.019	12.62	66.18	12.63	62.54
13L2200D	13L	G025YR24HR	12.55	152.14	0.022	12.55	66.89	12.55	62.88
13L2200D	13L	G100YR24HR	12.24	156.90	0.021	13.83	68.82	13.83	68.60
13L2300W	13L	G002YR24HR	0.00	0.00	0.000	12.53	65.05	12.53	60.63
13L2300W	13L	G010YR24HR	0.00	0.00	0.000	12.62	66.18	12.63	62.54
13L2300W	13L	G025YR24HR	0.00	0.00	0.000	12.55	66.89	12.55	62.88
13L2300W	13L	G100YR24HR	13.83	207.92	0.023	13.83	68.82	13.83	68.60
13L2350S	13L	G002YR24HR	12.62	86.78	-1.982	12.63	67.11	0.40	66.25
13L2350S	13L	G010YR24HR	12.45	137.16	-1.981	12.45	68.92	0.40	66.25
13L2350S	13L	G025YR24HR	12.18	153.99	-1.980	12.36	70.13	12.55	66.89
13L2350S	13L	G100YR24HR	12.00	164.68	-1.965	13.48	72.90	13.83	68.82
13L2400W	13L	G002YR24HR	0.00	0.00	0.000	12.63	67.11	12.53	65.05
13L2400W	13L	G010YR24HR	0.00	0.00	0.000	12.45	68.92	12.62	66.18
13L2400W	13L	G025YR24HR	0.00	0.00	0.000	12.36	70.13	12.55	66.89
13L2400W	13L	G100YR24HR	13.48	96.60	0.015	13.48	72.90	13.83	68.82
13L2450D	13L	G002YR24HR	13.00	74.68	-0.006	13.00	70.85	12.63	67.11
13L2450D	13L	G010YR24HR	13.92	119.10	0.009	13.66	71.90	12.45	68.92
13L2450D	13L	G025YR24HR	14.38	131.08	-0.013	14.04	73.15	12.36	70.13
13L2450D	13L	G100YR24HR	19.10	135.52	-0.031	13.37	74.42	13.48	72.90
13L2451W	13L	G002YR24HR	0.00	0.00	0.000	13.00	70.85	12.63	67.11
13L2451W	13L	G010YR24HR	0.00	0.00	0.000	13.66	71.90	12.45	68.92
13L2451W	13L	G025YR24HR	0.00	0.00	0.000	14.04	73.15	12.36	70.13
13L2451W	13L	G100YR24HR	13.37	160.26	0.024	13.37	74.42	13.48	72.90
13L2510W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	13.00	70.85
13L2510W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.66	71.90
13L2510W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	14.04	73.15
13L2510W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.37	74.42
13L2511W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	13.00	70.85
13L2511W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.66	71.90
13L2511W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	14.04	73.15
13L2511W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.37	74.42
13L2520W	13L	G002YR24HR	12.17	21.49	0.004	12.17	75.55	12.63	67.11
13L2520W	13L	G010YR24HR	12.17	42.51	0.007	12.17	75.72	12.45	68.92
13L2520W	13L	G025YR24HR	12.17	57.91	0.009	12.17	75.83	12.36	70.13
13L2520W	13L	G100YR24HR	12.11	85.52	0.013	12.11	76.01	13.48	72.90
13L2530D	13L	G002YR24HR	12.33	7.06	0.001	12.33	73.22	13.00	70.85
13L2530D	13L	G010YR24HR	12.27	11.74	0.002	12.30	73.96	13.66	71.90
13L2530D	13L	G025YR24HR	12.20	16.89	0.005	12.21	74.26	14.04	73.15
13L2530D	13L	G100YR24HR	12.11	21.82	0.007	12.34	74.95	13.37	74.42
13L2531W	13L	G002YR24HR	0.00	0.00	0.000	12.33	73.22	13.00	70.85
13L2531W	13L	G010YR24HR	0.00	0.00	0.000	12.30	73.96	13.66	71.90
13L2531W	13L	G025YR24HR	0.00	0.00	0.000	12.21	74.26	14.04	73.15
13L2531W	13L	G100YR24HR	0.00	0.00	0.000	12.34	74.95	13.37	74.42
13L2550D	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	13.00	70.85
13L2550D	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	13.66	71.90
13L2550D	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	14.04	73.15
13L2550D	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	13.37	74.42
13L2560W1	13L	G002YR24HR	12.18	26.54	0.005	12.18	82.32	13.00	70.85
13L2560W1	13L	G010YR24HR	12.17	44.82	0.007	12.17	82.41	13.66	71.90
13L2560W1	13L	G025YR24HR	12.16	57.64	0.009	12.16	82.47	14.04	73.15
13L2560W1	13L	G100YR24HR	12.15	80.09	0.012	12.15	82.56	13.37	74.42
13L2560W2	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.33	73.22
13L2560W2	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.30	73.96
13L2560W2	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.21	74.26
13L2560W2	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.34	74.95
13L2560W3	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.17	75.55
13L2560W3	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.17	75.72

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2560W3	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.17	75.83
13L2560W3	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.11	76.01
13L2600C	13L	G002YR24HR	12.56	43.59	13.175	12.56	71.27	12.56	70.77
13L2600C	13L	G010YR24HR	12.92	93.59	-12.901	12.93	72.63	13.72	71.90
13L2600C	13L	G025YR24HR	12.52	124.45	17.907	12.90	73.99	14.04	73.15
13L2600C	13L	G100YR24HR	12.16	138.89	17.586	12.95	74.64	13.37	74.42
13L2601C	13L	G002YR24HR	12.56	19.42	3.009	12.56	71.27	13.00	70.85
13L2601C	13L	G010YR24HR	12.80	25.10	4.020	12.93	72.63	13.66	71.90
13L2601C	13L	G025YR24HR	12.52	33.65	4.260	12.90	73.99	14.04	73.15
13L2601C	13L	G100YR24HR	12.16	37.55	5.071	12.95	74.64	13.37	74.42
13L2710D	13L	G002YR24HR	12.73	2.93	0.001	12.81	73.65	12.56	71.27
13L2710D	13L	G010YR24HR	12.44	2.86	0.001	13.17	74.67	12.93	72.63
13L2710D	13L	G025YR24HR	19.42	2.81	0.001	13.75	75.42	12.90	73.99
13L2710D	13L	G100YR24HR	24.66	2.76	-0.001	12.81	76.15	12.95	74.64
13L2711W	13L	G002YR24HR	0.00	0.00	0.000	12.81	73.65	12.56	71.27
13L2711W	13L	G010YR24HR	0.00	0.00	0.000	13.17	74.67	12.93	72.63
13L2711W	13L	G025YR24HR	0.00	0.00	0.000	13.75	75.42	12.90	73.99
13L2711W	13L	G100YR24HR	12.81	6.44	0.003	12.81	76.15	12.95	74.64
13L2750W_1	13L	G002YR24HR	16.97	0.84	0.000	16.97	77.95	12.56	71.27
13L2750W_1	13L	G010YR24HR	12.88	0.89	0.000	12.88	78.41	12.93	72.63
13L2750W_1	13L	G025YR24HR	12.58	0.91	0.000	12.58	78.68	12.90	73.99
13L2750W_1	13L	G100YR24HR	12.13	0.92	0.000	12.38	79.02	12.95	74.64
13L2750W_2	13L	G002YR24HR	16.97	2.08	0.000	16.97	77.95	12.56	71.27
13L2750W_2	13L	G010YR24HR	12.88	37.54	0.010	12.88	78.41	12.93	72.63
13L2750W_2	13L	G025YR24HR	12.58	72.00	0.021	12.58	78.68	12.90	73.99
13L2750W_2	13L	G100YR24HR	12.38	129.11	0.030	12.38	79.02	12.95	74.64
13L2800	13L	G002YR24HR	15.53	46.22	-0.370	15.48	72.43	12.56	71.27
13L2800	13L	G010YR24HR	13.60	74.55	-0.370	12.96	73.20	12.93	72.63
13L2800	13L	G025YR24HR	13.21	93.97	-0.370	12.97	74.27	12.90	73.99
13L2800	13L	G100YR24HR	13.01	148.18	-0.370	12.99	75.01	12.95	74.64
13L2900C_1	13L	G002YR24HR	15.46	23.11	0.005	15.46	74.28	15.46	73.26
13L2900C_1	13L	G010YR24HR	13.57	37.16	0.007	13.59	74.96	13.57	73.67
13L2900C_1	13L	G025YR24HR	13.18	46.93	0.007	13.19	75.42	13.18	73.96
13L2900C_1	13L	G100YR24HR	13.01	74.08	0.007	13.00	77.54	12.99	75.01
13L2900C_2	13L	G002YR24HR	15.46	23.11	0.005	15.46	74.28	15.46	73.26
13L2900C_2	13L	G010YR24HR	13.57	37.16	0.007	13.59	74.96	13.57	73.67
13L2900C_2	13L	G025YR24HR	13.18	46.93	0.007	13.19	75.42	13.18	73.96
13L2900C_2	13L	G100YR24HR	13.01	74.08	0.007	13.00	77.54	12.99	75.01
13L3100	13L	G002YR24HR	15.50	46.00	-0.150	15.50	74.91	15.46	74.28
13L3100	13L	G010YR24HR	13.61	73.70	-0.149	13.60	75.56	13.59	74.96
13L3100	13L	G025YR24HR	13.19	92.83	-0.154	13.19	75.98	13.19	75.42
13L3100	13L	G100YR24HR	12.97	146.36	-0.155	13.00	77.75	13.00	77.54
13L3110C	13L	G002YR24HR	13.64	13.11	0.003	13.66	82.67	4.38	79.11
13L3110C	13L	G010YR24HR	13.51	24.08	0.004	13.53	83.46	3.03	79.11
13L3110C	13L	G025YR24HR	13.51	31.21	0.005	13.51	84.00	2.48	79.11
13L3110C	13L	G100YR24HR	12.88	32.89	0.006	12.88	84.51	1.88	79.11
13L3111W	13L	G002YR24HR	0.00	0.00	0.000	13.66	82.67	15.50	74.91
13L3111W	13L	G010YR24HR	0.00	0.00	0.000	13.53	83.46	13.60	75.56
13L3111W	13L	G025YR24HR	0.00	0.00	0.000	13.51	84.00	13.19	75.98
13L3111W	13L	G100YR24HR	12.88	55.04	0.015	12.88	84.51	13.00	77.75
13L3200D	13L	G002YR24HR	12.64	5.50	0.001	12.64	76.95	15.50	74.91
13L3200D	13L	G010YR24HR	12.58	11.62	0.001	12.58	77.17	13.60	75.56
13L3200D	13L	G025YR24HR	12.61	19.15	0.002	12.61	77.40	13.19	75.98
13L3200D	13L	G100YR24HR	12.48	34.07	-0.005	13.27	78.01	13.00	77.75
13L3201W	13L	G002YR24HR	0.00	0.00	0.000	12.64	76.95	15.50	74.91
13L3201W	13L	G010YR24HR	0.00	0.00	0.000	12.58	77.17	13.60	75.56
13L3201W	13L	G025YR24HR	0.00	0.00	0.000	12.61	77.40	13.19	75.98
13L3201W	13L	G100YR24HR	0.00	0.00	0.000	13.27	78.01	13.00	77.75
13M0200D	13M	G002YR24HR	14.84	20.88	0.924	24.84	52.08	30.08	51.93
13M0200D	13M	G010YR24HR	14.59	35.26	4.685	27.87	53.43	28.41	53.07
13M0200D	13M	G025YR24HR	14.05	39.26	4.820	30.42	54.40	27.94	53.81
13M0200D	13M	G100YR24HR	47.34	42.52	0.924	37.18	55.62	27.58	54.78
13M0400	13M	G002YR24HR	14.76	20.95	3.635	15.99	52.09	24.84	52.08
13M0400	13M	G010YR24HR	14.54	35.52	3.635	27.87	53.44	27.87	53.43
13M0400	13M	G025YR24HR	13.88	39.86	3.635	30.43	54.40	30.42	54.40
13M0400	13M	G100YR24HR	46.98	42.35	3.635	37.19	55.62	37.18	55.62

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M0800S	13M	G002YR24HR	12.21	52.04	5.488	12.22	52.41	15.99	52.09
13M0800S	13M	G010YR24HR	12.19	76.24	5.488	12.19	53.67	27.87	53.44
13M0800S	13M	G025YR24HR	12.12	81.00	5.488	27.10	54.62	30.43	54.40
13M0800S	13M	G100YR24HR	12.17	86.55	5.488	36.16	55.93	37.19	55.62
13M0900S	13M	G002YR24HR	12.21	49.69	0.870	12.21	54.39	13.23	51.91
13M0900S	13M	G010YR24HR	12.20	72.13	0.293	12.20	55.25	25.97	53.56
13M0900S	13M	G025YR24HR	12.29	75.66	1.809	12.16	55.67	27.10	54.62
13M0900S	13M	G100YR24HR	12.31	79.40	3.520	12.20	56.46	36.16	55.93
13M0960S	13M	G002YR24HR	12.17	11.55	0.060	12.19	55.35	12.21	54.39
13M0960S	13M	G010YR24HR	12.12	15.78	-0.482	12.16	57.03	12.20	55.25
13M0960S	13M	G025YR24HR	12.01	15.85	0.668	12.13	57.42	12.16	55.67
13M0960S	13M	G100YR24HR	11.89	15.76	-0.494	12.16	57.79	12.20	56.46
13M0980D	13M	G002YR24HR	12.12	11.83	0.002	12.12	58.17	12.19	55.35
13M0980D	13M	G010YR24HR	12.09	16.28	0.002	12.11	58.30	12.16	57.03
13M0980D	13M	G025YR24HR	11.97	16.91	0.003	12.11	58.40	12.13	57.42
13M0980D	13M	G100YR24HR	11.86	17.01	0.003	12.10	58.54	12.16	57.79
13M0985W	13M	G002YR24HR	12.12	2.39	0.001	12.12	58.17	12.23	54.68
13M0985W	13M	G010YR24HR	12.11	7.42	0.002	12.11	58.30	12.29	56.36
13M0985W	13M	G025YR24HR	12.11	14.11	0.004	12.11	58.40	12.44	56.82
13M0985W	13M	G100YR24HR	12.10	27.49	0.008	12.10	58.54	12.57	57.72
13M1000S	13M	G002YR24HR	12.26	28.03	-5.185	12.23	54.68	12.21	54.39
13M1000S	13M	G010YR24HR	12.36	41.41	-6.360	12.29	56.36	12.20	55.25
13M1000S	13M	G025YR24HR	12.79	48.21	7.238	12.44	56.82	12.16	55.67
13M1000S	13M	G100YR24HR	13.20	50.02	-6.190	12.57	57.72	12.20	56.46
13M1100W	13M	G002YR24HR	0.00	0.00	0.000	12.23	54.68	15.99	52.09
13M1100W	13M	G010YR24HR	0.00	0.00	0.000	12.29	56.36	27.87	53.44
13M1100W	13M	G025YR24HR	0.00	0.00	0.000	12.44	56.82	30.43	54.40
13M1100W	13M	G100YR24HR	12.57	16.60	0.004	12.57	57.72	37.19	55.62
13M1200	13M	G002YR24HR	12.23	25.93	1.192	12.23	55.48	12.23	54.68
13M1200	13M	G010YR24HR	12.25	35.82	-5.201	12.29	56.46	12.29	56.36
13M1200	13M	G025YR24HR	17.98	44.70	-6.158	12.43	56.88	12.44	56.82
13M1200	13M	G100YR24HR	12.43	57.39	5.200	12.56	57.76	12.57	57.72
13M1300C	13M	G002YR24HR	12.21	23.18	0.660	12.21	56.12	12.21	55.66
13M1300C	13M	G010YR24HR	12.07	30.35	0.660	12.28	56.65	12.29	56.46
13M1300C	13M	G025YR24HR	18.64	34.79	0.660	12.41	56.98	12.43	56.88
13M1300C	13M	G100YR24HR	11.89	32.55	0.660	12.54	57.85	12.56	57.76
13M1400W	13M	G002YR24HR	0.00	0.00	0.000	12.21	56.12	12.23	55.48
13M1400W	13M	G010YR24HR	12.28	4.89	0.002	12.28	56.65	12.29	56.46
13M1400W	13M	G025YR24HR	12.37	13.52	0.006	12.41	56.98	12.43	56.88
13M1400W	13M	G100YR24HR	12.39	39.60	0.012	12.54	57.85	12.56	57.76
13M1500	13M	G002YR24HR	12.16	19.09	-0.605	12.17	56.67	12.21	56.12
13M1500	13M	G010YR24HR	20.15	26.72	-0.603	12.28	57.05	12.28	56.65
13M1500	13M	G025YR24HR	19.62	38.89	-2.944	12.39	57.31	12.41	56.98
13M1500	13M	G100YR24HR	13.29	49.01	3.241	12.50	58.05	12.54	57.85
13M1510D	13M	G002YR24HR	12.11	10.89	0.004	12.11	61.37	12.17	56.67
13M1510D	13M	G010YR24HR	11.93	12.80	-0.009	12.34	61.63	12.28	57.05
13M1510D	13M	G025YR24HR	11.84	12.76	-0.012	12.41	61.82	12.39	57.31
13M1510D	13M	G100YR24HR	11.73	12.52	-0.009	12.35	62.03	12.50	58.05
13M1515W	13M	G002YR24HR	0.00	0.00	0.000	12.11	61.37	12.17	56.67
13M1515W	13M	G010YR24HR	0.00	0.00	0.000	12.34	61.63	12.28	57.05
13M1515W	13M	G025YR24HR	12.41	1.23	0.001	12.41	61.82	12.39	57.31
13M1515W	13M	G100YR24HR	12.35	9.41	0.003	12.35	62.03	12.50	58.05
13M1550S	13M	G002YR24HR	24.31	8.87	0.642	24.53	56.73	12.17	56.67
13M1550S	13M	G010YR24HR	21.31	25.81	0.642	21.19	57.80	12.28	57.05
13M1550S	13M	G025YR24HR	20.05	37.55	0.642	19.82	58.81	12.39	57.31
13M1550S	13M	G100YR24HR	19.20	44.50	-1.355	22.15	60.12	12.50	58.05
13M1650S	13M	G002YR24HR	24.24	8.87	0.007	24.34	58.01	12.17	56.67
13M1650S	13M	G010YR24HR	21.13	25.81	-0.476	21.23	59.14	26.10	57.66
13M1650S	13M	G025YR24HR	19.79	37.55	-1.560	19.90	59.86	13.99	57.67
13M1650S	13M	G100YR24HR	19.21	44.51	-11.326	20.96	61.23	22.15	60.12
13M1900D	13M	G002YR24HR	12.86	8.11	0.001	12.86	63.39	24.34	58.01
13M1900D	13M	G010YR24HR	12.88	12.36	0.002	12.88	64.93	21.23	59.14
13M1900D	13M	G025YR24HR	12.94	14.13	0.003	12.94	66.13	19.90	59.86
13M1900D	13M	G100YR24HR	12.69	16.05	0.004	12.69	67.62	20.96	61.23
13M1910W	13M	G002YR24HR	0.00	0.00	0.000	12.86	63.39	24.34	58.01

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M1910W	13M	G010YR24HR	0.00	0.00	0.000	12.88	64.93	21.23	59.14
13M1910W	13M	G025YR24HR	0.00	0.00	0.000	12.94	66.13	19.90	59.86
13M1910W	13M	G100YR24HR	12.69	12.67	0.005	12.69	67.62	20.96	61.23
13M2317S	13M	G002YR24HR	13.19	29.74	-0.020	13.19	59.74	24.34	58.01
13M2317S	13M	G010YR24HR	13.48	33.05	0.151	13.21	59.98	21.23	59.14
13M2317S	13M	G025YR24HR	12.88	34.82	0.515	16.68	60.10	19.90	59.86
13M2317S	13M	G100YR24HR	12.68	34.95	0.737	17.33	61.52	20.96	61.23
13M2318S	13M	G002YR24HR	13.13	35.98	-14.179	13.13	60.18	13.13	59.50
13M2318S	13M	G010YR24HR	12.38	36.30	-12.648	12.38	60.19	13.21	59.98
13M2318S	13M	G025YR24HR	12.23	36.40	-16.274	12.23	60.20	16.68	60.10
13M2318S	13M	G100YR24HR	12.06	36.43	-16.286	16.36	61.75	17.33	61.52
13M2319S	13M	G002YR24HR	14.07	31.63	-10.541	14.07	60.30	13.13	60.18
13M2319S	13M	G010YR24HR	13.04	32.80	8.955	13.05	60.35	12.38	60.19
13M2319S	13M	G025YR24HR	12.88	34.19	9.020	12.91	60.41	12.23	60.20
13M2319S	13M	G100YR24HR	12.72	35.58	9.225	16.29	61.81	16.36	61.75
13M2320S	13M	G002YR24HR	13.15	28.00	-18.649	14.07	60.54	5.15	62.02
13M2320S	13M	G010YR24HR	13.02	32.80	-18.649	13.04	60.70	3.76	62.02
13M2320S	13M	G025YR24HR	12.87	34.19	-18.649	12.89	60.76	3.19	62.02
13M2320S	13M	G100YR24HR	12.71	35.59	-18.649	16.19	61.91	2.54	62.02
13M2325W	13M	G002YR24HR	0.00	0.00	0.000	13.40	69.09	24.34	58.01
13M2325W	13M	G010YR24HR	12.90	32.72	0.007	12.90	70.05	21.23	59.14
13M2325W	13M	G025YR24HR	12.75	61.83	0.013	12.75	70.37	19.90	59.86
13M2325W	13M	G100YR24HR	12.64	112.48	0.022	12.64	70.82	20.96	61.23
13M2330D	13M	G002YR24HR	15.44	16.50	0.004	13.40	69.09	13.47	67.34
13M2330D	13M	G010YR24HR	16.77	16.39	0.003	12.90	70.05	12.99	68.59
13M2330D	13M	G025YR24HR	17.27	16.29	0.001	12.75	70.37	12.84	68.97
13M2330D	13M	G100YR24HR	18.14	16.19	-0.001	12.64	70.82	12.68	69.36
13M2331S	13M	G002YR24HR	13.40	13.09	-2.410	13.40	69.08	13.40	66.59
13M2331S	13M	G010YR24HR	12.90	19.46	2.410	12.90	70.05	12.90	66.76
13M2331S	13M	G025YR24HR	12.75	21.14	2.410	12.75	70.37	12.75	66.80
13M2331S	13M	G100YR24HR	12.35	22.58	2.411	12.64	70.82	12.68	69.36
13M2331W	13M	G002YR24HR	12.17	12.71	0.002	12.17	74.04	13.40	69.08
13M2331W	13M	G010YR24HR	12.16	21.14	0.003	12.16	74.26	12.90	70.05
13M2331W	13M	G025YR24HR	12.14	27.05	0.004	12.14	74.38	12.75	70.37
13M2331W	13M	G100YR24HR	12.13	37.43	0.005	12.13	74.55	12.64	70.82
13M2331W2	13M	G002YR24HR	12.13	13.16	0.097	13.40	69.08	13.40	69.09
13M2331W2	13M	G010YR24HR	12.06	25.77	-0.841	12.90	70.05	12.90	70.05
13M2331W2	13M	G025YR24HR	12.00	28.30	-1.719	12.75	70.37	12.75	70.37
13M2331W2	13M	G100YR24HR	12.09	36.42	2.832	12.64	70.82	12.64	70.82
13M2333S	13M	G002YR24HR	13.47	27.70	0.006	13.47	67.34	11.76	64.78
13M2333S	13M	G010YR24HR	12.99	32.81	0.004	12.99	68.59	11.09	64.78
13M2333S	13M	G025YR24HR	12.84	34.21	-0.002	12.84	68.97	10.40	64.78
13M2333S	13M	G100YR24HR	12.68	35.59	-0.002	12.68	69.36	9.03	64.78
13M2334S	13M	G002YR24HR	11.89	8.00	-17.160	13.38	69.12	13.40	69.09
13M2334S	13M	G010YR24HR	11.64	8.15	-17.160	12.89	70.11	12.90	70.05
13M2334S	13M	G025YR24HR	11.39	8.11	-17.160	12.74	70.44	12.75	70.37
13M2334S	13M	G100YR24HR	10.25	8.12	-17.160	12.63	70.92	12.64	70.82
13M2334W	13M	G002YR24HR	12.70	27.99	0.007	13.38	69.12	13.40	69.09
13M2334W	13M	G010YR24HR	12.62	52.59	0.013	12.89	70.11	12.90	70.05
13M2334W	13M	G025YR24HR	12.59	71.14	0.010	12.74	70.44	12.75	70.37
13M2334W	13M	G100YR24HR	12.56	103.23	0.011	12.63	70.92	12.64	70.82
13M2335S	13M	G002YR24HR	12.36	8.36	-0.065	12.80	70.58	13.38	69.12
13M2335S	13M	G010YR24HR	16.61	8.27	-0.073	12.71	70.89	12.89	70.11
13M2335S	13M	G025YR24HR	11.78	8.37	-0.079	12.66	71.08	12.74	70.44
13M2335S	13M	G100YR24HR	11.01	8.61	-0.086	12.63	71.36	12.63	70.92
13M2335W	13M	G002YR24HR	12.80	19.94	0.007	12.80	70.58	13.38	69.12
13M2335W	13M	G010YR24HR	12.71	44.71	0.009	12.71	70.89	12.89	70.11
13M2335W	13M	G025YR24HR	12.66	62.39	0.006	12.66	71.08	12.74	70.44
13M2335W	13M	G100YR24HR	12.63	92.71	0.010	12.63	71.36	12.63	70.92
13M2340	13M	G002YR24HR	12.73	25.34	1.090	12.74	71.33	12.80	70.58
13M2340	13M	G010YR24HR	12.66	45.70	1.090	12.67	71.66	12.71	70.89
13M2340	13M	G025YR24HR	12.62	61.01	1.090	12.63	71.84	12.66	71.08
13M2340	13M	G100YR24HR	12.58	87.51	-1.090	12.59	72.09	12.63	71.36
13M2360D	13M	G002YR24HR	19.73	0.87	0.000	19.73	62.66	24.34	58.01
13M2360D	13M	G010YR24HR	19.84	1.28	0.000	20.14	63.18	21.23	59.14
13M2360D	13M	G025YR24HR	13.38	1.39	0.000	23.25	63.60	19.90	59.86

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M2360D	13M	G100YR24HR	12.35	1.44	0.000	24.13	64.36	20.96	61.23
13M2360W	13M	G002YR24HR	0.00	0.00	0.000	19.73	62.66	24.34	58.01
13M2360W	13M	G010YR24HR	0.00	0.00	0.000	20.14	63.18	21.23	59.14
13M2360W	13M	G025YR24HR	0.00	0.00	0.000	23.25	63.60	19.90	59.86
13M2360W	13M	G100YR24HR	0.00	0.00	0.000	24.13	64.36	20.96	61.23
13N0100D	13N	G002YR24HR	14.04	8.64	0.001	14.04	53.66	14.08	52.74
13N0100D	13N	G010YR24HR	13.86	17.34	0.003	13.88	54.38	13.89	53.75
13N0100D	13N	G025YR24HR	14.09	20.30	-0.005	14.03	54.96	13.98	54.09
13N0100D	13N	G100YR24HR	12.53	20.70	0.009	14.04	55.45	26.83	55.14
13N0100W	13N	G002YR24HR	12.50	1.26	-66.560	14.04	53.66	0.00	54.01
13N0100W	13N	G010YR24HR	12.09	9.05	-66.560	13.88	54.38	13.86	54.39
13N0100W	13N	G025YR24HR	11.97	8.75	-66.560	14.03	54.96	14.02	54.97
13N0100W	13N	G100YR24HR	12.08	10.56	-66.560	14.04	55.45	14.03	55.45
13N0150S	13N	G002YR24HR	14.07	8.64	0.002	14.08	52.74	14.13	52.27
13N0150S	13N	G010YR24HR	13.88	17.34	-0.013	13.89	53.75	26.30	53.32
13N0150S	13N	G025YR24HR	14.11	20.30	-0.111	13.98	54.09	26.74	54.08
13N0150S	13N	G100YR24HR	12.52	20.57	-0.104	26.83	55.14	26.77	55.14
13N0200	13N	G002YR24HR	13.81	21.93	0.114	28.09	52.13	28.15	52.13
13N0200	13N	G010YR24HR	13.51	41.68	0.098	26.38	53.32	26.40	53.32
13N0200	13N	G025YR24HR	13.22	52.39	0.098	26.74	54.08	26.74	54.08
13N0200	13N	G100YR24HR	28.24	58.88	0.098	26.80	55.14	26.80	55.14
13N0200D	13N	G002YR24HR	0.00	0.00	0.000	0.00	54.01	14.13	52.27
13N0200D	13N	G010YR24HR	13.86	0.12	0.000	13.86	54.39	26.30	53.32
13N0200D	13N	G025YR24HR	14.02	1.16	0.000	14.02	54.97	26.74	54.08
13N0200D	13N	G100YR24HR	14.03	15.02	-0.007	14.03	55.45	26.77	55.14
13N0200W	13N	G002YR24HR	0.00	0.00	0.000	0.00	54.01	28.09	52.13
13N0200W	13N	G010YR24HR	0.00	0.00	0.000	13.86	54.39	26.38	53.32
13N0200W	13N	G025YR24HR	0.00	0.00	0.000	14.02	54.97	26.74	54.08
13N0200W	13N	G100YR24HR	0.00	0.00	0.000	14.03	55.45	26.80	55.14
13N0250S	13N	G002YR24HR	14.13	8.63	0.004	14.13	52.27	0.15	53.70
13N0250S	13N	G010YR24HR	14.38	17.52	0.163	26.30	53.32	0.15	53.70
13N0250S	13N	G025YR24HR	14.03	21.51	0.192	26.74	54.08	26.74	54.08
13N0250S	13N	G100YR24HR	13.73	33.89	-0.192	26.77	55.14	26.80	55.14
13N0300	13N	G002YR24HR	12.62	43.96	20.342	25.72	52.20	28.09	52.13
13N0300	13N	G010YR24HR	12.46	67.05	20.342	25.18	53.38	26.38	53.32
13N0300	13N	G025YR24HR	15.44	82.17	20.342	26.14	54.12	26.74	54.08
13N0300	13N	G100YR24HR	15.36	115.30	20.342	26.62	55.16	26.80	55.14
13N0301D	13N	G002YR24HR	13.50	6.10	0.001	13.50	58.25	0.00	54.01
13N0301D	13N	G010YR24HR	12.85	19.68	0.003	12.85	58.56	13.86	54.39
13N0301D	13N	G025YR24HR	12.49	26.20	0.004	12.84	58.76	14.02	54.97
13N0301D	13N	G100YR24HR	12.42	26.31	0.004	12.87	59.12	14.03	55.45
13N0301W	13N	G002YR24HR	0.00	0.00	0.000	13.50	58.25	25.50	54.29
13N0301W	13N	G010YR24HR	0.00	0.00	0.000	12.85	58.56	25.50	55.62
13N0301W	13N	G025YR24HR	0.00	0.00	0.000	12.84	58.76	25.50	56.47
13N0301W	13N	G100YR24HR	12.87	9.68	0.002	12.87	59.12	25.50	57.82
13N0350S	13N	G002YR24HR	12.58	44.06	0.010	12.59	53.18	0.00	54.40
13N0350S	13N	G010YR24HR	12.42	66.96	0.015	12.43	53.68	0.00	54.40
13N0350S	13N	G025YR24HR	15.40	81.99	0.016	24.50	54.22	0.00	54.40
13N0350S	13N	G100YR24HR	15.32	115.37	1.144	24.54	55.44	26.62	55.16
13N0350W	13N	G002YR24HR	0.00	0.00	0.000	12.59	53.18	25.72	52.20
13N0350W	13N	G010YR24HR	0.00	0.00	0.000	12.43	53.68	25.18	53.38
13N0350W	13N	G025YR24HR	0.00	0.00	0.000	24.50	54.22	26.14	54.12
13N0350W	13N	G100YR24HR	0.00	0.00	0.000	24.54	55.44	26.62	55.16
13N0400	13N	G002YR24HR	12.56	37.11	1.136	12.57	53.66	12.59	53.18
13N0400	13N	G010YR24HR	14.06	57.25	1.136	12.42	54.17	12.43	53.68
13N0400	13N	G025YR24HR	14.11	76.14	1.136	14.21	54.53	24.50	54.22
13N0400	13N	G100YR24HR	15.91	99.78	1.136	24.31	55.55	24.54	55.44
13N0500S	13N	G002YR24HR	12.48	37.63	0.061	12.56	53.77	12.57	53.66
13N0500S	13N	G010YR24HR	14.04	57.22	0.061	12.37	54.61	12.42	54.17
13N0500S	13N	G025YR24HR	14.08	76.33	0.061	14.18	55.38	14.21	54.53
13N0500S	13N	G100YR24HR	15.81	99.73	0.192	15.80	56.57	24.31	55.55
13N0500W	13N	G002YR24HR	0.00	0.00	0.000	12.56	53.77	12.57	53.66
13N0500W	13N	G010YR24HR	0.00	0.00	0.000	12.37	54.61	12.42	54.17
13N0500W	13N	G025YR24HR	0.00	0.00	0.000	14.18	55.38	14.21	54.53
13N0500W	13N	G100YR24HR	0.00	0.00	0.000	15.80	56.57	24.31	55.55

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13N0501P	13N	G002YR24HR	12.62	27.27	0.008	12.62	57.52	12.62	53.65
13N0501P	13N	G010YR24HR	12.72	42.23	0.010	12.67	58.57	13.08	54.77
13N0501P	13N	G025YR24HR	12.69	41.29	1.955	13.48	59.47	14.18	55.38
13N0501P	13N	G100YR24HR	12.59	39.27	1.440	14.23	60.18	15.80	56.57
13N0700	13N	G002YR24HR	18.31	20.86	0.089	17.70	53.79	12.56	53.77
13N0700	13N	G010YR24HR	18.15	47.18	-0.262	16.07	54.86	12.37	54.61
13N0700	13N	G025YR24HR	17.51	62.12	0.413	15.99	55.54	14.18	55.38
13N0700	13N	G100YR24HR	17.01	82.49	4.846	16.16	56.59	15.80	56.57
13N0700W	13N	G002YR24HR	12.33	7.97	0.001	12.33	54.29	12.59	53.18
13N0700W	13N	G010YR24HR	12.32	12.75	0.002	12.32	54.39	12.43	53.68
13N0700W	13N	G025YR24HR	12.30	16.36	0.002	12.30	54.45	24.50	54.22
13N0700W	13N	G100YR24HR	12.28	23.01	-0.544	24.54	55.44	24.54	55.44
13N0750D	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	12.33	54.29
13N0750D	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	12.32	54.39
13N0750D	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	12.30	54.45
13N0750D	13N	G100YR24HR	0.00	0.00	-0.000	32.08	54.95	24.54	55.44
13N0750W	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	24.59	53.85
13N0750W	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	21.48	55.25
13N0750W	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	14.95	55.46
13N0750W	13N	G100YR24HR	0.00	0.00	0.000	32.08	54.95	13.74	56.16
13N0800S	13N	G002YR24HR	24.45	0.32	-0.000	24.60	53.85	24.64	53.57
13N0800S	13N	G010YR24HR	17.13	0.50	-0.005	21.59	55.25	24.17	54.67
13N0800S	13N	G025YR24HR	13.91	0.53	-0.002	15.01	55.34	24.25	54.90
13N0800S	13N	G100YR24HR	12.58	0.53	-0.001	13.07	55.47	25.06	55.35
13N0800W	13N	G002YR24HR	0.00	0.00	0.000	24.60	53.85	12.33	54.29
13N0800W	13N	G010YR24HR	21.59	1.38	0.000	21.59	55.25	12.32	54.39
13N0800W	13N	G025YR24HR	15.01	7.10	0.001	15.01	55.34	12.30	54.45
13N0800W	13N	G100YR24HR	13.07	18.53	0.006	13.07	55.47	24.54	55.44
13N0805W_1	13N	G002YR24HR	0.00	0.00	0.000	24.64	53.57	25.43	52.23
13N0805W_1	13N	G010YR24HR	0.00	0.00	0.000	24.17	54.67	25.13	53.49
13N0805W_1	13N	G025YR24HR	0.00	0.00	0.000	24.25	54.90	26.08	54.18
13N0805W_1	13N	G100YR24HR	0.00	0.00	0.000	25.06	55.35	26.50	55.18
13N0805W_2	13N	G002YR24HR	24.64	0.32	0.000	24.64	53.57	25.43	52.23
13N0805W_2	13N	G010YR24HR	17.04	0.49	0.000	24.17	54.67	25.13	53.49
13N0805W_2	13N	G025YR24HR	14.00	0.52	0.000	24.25	54.90	26.08	54.18
13N0805W_2	13N	G100YR24HR	12.77	0.51	0.000	25.06	55.35	26.50	55.18
13N0810S	13N	G002YR24HR	24.78	0.32	-0.005	25.43	52.23	25.72	52.20
13N0810S	13N	G010YR24HR	17.05	0.49	-0.005	25.13	53.49	25.18	53.38
13N0810S	13N	G025YR24HR	13.92	0.51	0.006	26.08	54.18	26.14	54.12
13N0810S	13N	G100YR24HR	12.71	0.50	-0.004	26.50	55.18	26.62	55.16
13N0900S	13N	G002YR24HR	12.82	1.43	-31.073	24.59	53.85	24.60	53.85
13N0900S	13N	G010YR24HR	12.81	3.99	-31.073	21.48	55.25	21.59	55.25
13N0900S	13N	G025YR24HR	14.92	6.28	-31.073	14.95	55.46	15.01	55.34
13N0900S	13N	G100YR24HR	13.77	15.62	-31.073	13.74	56.16	13.07	55.47
13P0300C_1	13P	G002YR24HR	12.09	1.27	0.021	12.09	55.57	12.09	54.39
13P0300C_1	13P	G010YR24HR	12.08	2.28	0.021	12.09	55.74	12.08	54.47
13P0300C_1	13P	G025YR24HR	12.08	3.01	0.021	12.09	55.83	12.08	54.51
13P0300C_1	13P	G100YR24HR	12.08	4.28	0.020	12.08	55.98	26.85	55.14
13P0300C_2	13P	G002YR24HR	12.09	1.27	0.021	12.09	55.57	12.09	54.39
13P0300C_2	13P	G010YR24HR	12.08	2.28	0.021	12.09	55.74	12.08	54.47
13P0300C_2	13P	G025YR24HR	12.08	3.01	0.021	12.09	55.83	12.08	54.51
13P0300C_2	13P	G100YR24HR	12.08	4.28	0.020	12.08	55.98	26.85	55.14
13P0300C_3	13P	G002YR24HR	12.09	1.27	0.021	12.09	55.57	12.09	54.39
13P0300C_3	13P	G010YR24HR	12.08	2.28	0.021	12.09	55.74	12.08	54.47
13P0300C_3	13P	G025YR24HR	12.08	3.01	0.021	12.09	55.83	12.08	54.51
13P0300C_3	13P	G100YR24HR	12.08	4.28	0.020	12.08	55.98	26.85	55.14
13P0400W	13P	G002YR24HR	0.00	0.00	0.000	12.09	55.57	0.00	54.10
13P0400W	13P	G010YR24HR	0.00	0.00	0.000	12.09	55.74	12.11	54.11
13P0400W	13P	G025YR24HR	0.00	0.00	0.000	12.09	55.83	12.11	54.14
13P0400W	13P	G100YR24HR	0.00	0.00	0.000	12.08	55.98	26.85	55.14
13P0450C	13P	G002YR24HR	0.00	5.37	5.368	0.00	54.10	28.15	52.13
13P0450C	13P	G010YR24HR	12.19	6.86	5.368	12.11	54.11	26.40	53.32
13P0450C	13P	G025YR24HR	12.15	8.87	5.368	12.11	54.14	26.74	54.08
13P0450C	13P	G100YR24HR	12.14	12.23	5.368	26.85	55.14	26.80	55.14
13P0500C	13P	G002YR24HR	12.49	66.75	0.019	12.49	60.38	12.49	54.27
13P0500C	13P	G010YR24HR	12.44	118.24	0.037	12.44	60.90	12.44	54.70

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P0500C	13P	G025YR24HR	12.40	155.09	0.051	12.40	61.20	12.40	54.95
13P0500C	13P	G100YR24HR	12.36	218.69	0.076	12.36	61.62	16.17	56.19
13P0500W	13P	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0500W	13P	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0500W	13P	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0500W	13P	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0501W	GEE	G002YR24HR	13.49	1.10	0.000	13.49	71.14	12.49	60.38
13P0501W	GEE	G010YR24HR	12.31	11.76	0.008	12.31	71.30	12.44	60.90
13P0501W	GEE	G025YR24HR	12.17	18.70	0.009	12.17	71.37	12.40	61.20
13P0501W	GEE	G100YR24HR	12.12	27.36	0.004	12.12	71.45	12.36	61.62
13P0700C_1	13P	G002YR24HR	12.43	18.75	0.009	12.44	65.12	12.43	62.95
13P0700C_1	13P	G010YR24HR	12.38	25.73	0.009	12.41	65.56	12.38	63.11
13P0700C_1	13P	G025YR24HR	12.37	30.05	0.009	12.37	65.82	12.37	63.21
13P0700C_1	13P	G100YR24HR	12.36	37.94	0.009	12.36	66.30	12.36	63.36
13P0700C_2	13P	G002YR24HR	12.43	18.75	0.009	12.44	65.12	12.43	62.95
13P0700C_2	13P	G010YR24HR	12.38	25.73	0.009	12.41	65.56	12.38	63.11
13P0700C_2	13P	G025YR24HR	12.37	30.05	0.009	12.37	65.82	12.37	63.21
13P0700C_2	13P	G100YR24HR	12.36	37.94	0.009	12.36	66.30	12.36	63.36
13P0860X	13P	G002YR24HR	12.47	36.61	0.005	12.50	68.12	12.44	65.12
13P0860X	13P	G010YR24HR	12.42	49.87	0.007	12.42	68.26	12.41	65.56
13P0860X	13P	G025YR24HR	12.42	58.00	0.008	12.42	68.37	12.37	65.82
13P0860X	13P	G100YR24HR	12.42	72.75	0.006	12.41	68.57	12.36	66.30
13P0950S	13P	G002YR24HR	12.74	23.27	0.004	12.73	70.56	0.05	68.20
13P0950S	13P	G010YR24HR	13.14	29.03	0.005	12.99	72.05	12.42	68.26
13P0950S	13P	G025YR24HR	13.75	31.84	0.005	13.16	73.03	12.42	68.37
13P0950S	13P	G100YR24HR	14.98	35.28	0.002	13.45	74.29	12.41	68.57
13P1000	13P	G002YR24HR	12.26	29.77	-0.237	12.70	70.65	12.73	70.56
13P1000	13P	G010YR24HR	12.18	42.60	-0.237	12.99	72.05	12.99	72.05
13P1000	13P	G025YR24HR	12.14	47.51	-0.237	13.16	73.03	13.16	73.03
13P1000	13P	G100YR24HR	12.17	55.53	-0.237	13.45	74.29	13.45	74.29
13P1150S	13P	G002YR24HR	12.31	5.73	0.002	12.32	72.50	12.31	70.39
13P1150S	13P	G010YR24HR	12.32	11.06	0.004	12.32	73.05	12.32	70.75
13P1150S	13P	G025YR24HR	12.34	14.92	0.004	12.34	73.41	13.16	73.03
13P1150S	13P	G100YR24HR	12.21	20.40	0.870	13.43	74.76	13.45	74.29
13P1151S	13P	G002YR24HR	12.31	9.98	0.003	12.32	72.50	12.31	70.78
13P1151S	13P	G010YR24HR	12.32	15.83	0.003	12.32	73.05	12.99	72.05
13P1151S	13P	G025YR24HR	12.33	19.82	-0.005	12.34	73.41	13.16	73.03
13P1151S	13P	G100YR24HR	12.14	23.02	0.776	13.43	74.76	13.45	74.29
13P1152W	13P	G002YR24HR	0.00	0.00	0.000	12.32	72.50	12.70	70.65
13P1152W	13P	G010YR24HR	0.00	0.00	0.000	12.32	73.05	12.99	72.05
13P1152W	13P	G025YR24HR	0.00	0.00	0.000	12.34	73.41	13.16	73.03
13P1152W	13P	G100YR24HR	0.00	0.00	0.000	13.43	74.76	13.45	74.29
13P1200W	GEE	G002YR24HR	0.00	0.00	0.000	12.32	72.50	0.00	71.00
13P1200W	GEE	G010YR24HR	0.00	0.00	0.000	12.32	73.05	0.00	71.00
13P1200W	GEE	G025YR24HR	0.00	0.00	0.000	12.34	73.41	0.00	71.00
13P1200W	GEE	G100YR24HR	13.43	8.15	-0.004	13.43	74.76	14.38	74.66
13P1300	13P	G002YR24HR	12.31	9.19	-2.443	12.31	73.71	12.32	72.50
13P1300	13P	G010YR24HR	12.34	16.16	2.443	12.33	74.15	12.32	73.05
13P1300	13P	G025YR24HR	12.37	21.40	-2.443	12.36	74.44	12.34	73.41
13P1300	13P	G100YR24HR	12.35	27.92	-2.443	13.40	75.16	13.43	74.76
13P1400	13P	G002YR24HR	12.40	7.05	2.074	12.54	74.81	12.31	73.71
13P1400	13P	G010YR24HR	12.42	12.58	2.074	12.45	75.12	12.33	74.15
13P1400	13P	G025YR24HR	12.43	16.94	2.074	12.44	75.35	12.36	74.44
13P1400	13P	G100YR24HR	12.44	25.02	2.074	13.34	75.72	13.40	75.16
13P1500C_1	13P	G002YR24HR	12.38	3.56	0.916	12.39	75.64	12.38	74.48
13P1500C_1	13P	G010YR24HR	12.38	6.34	0.916	12.39	75.93	12.45	75.12
13P1500C_1	13P	G025YR24HR	12.39	8.50	0.916	12.40	76.14	12.44	75.35
13P1500C_1	13P	G100YR24HR	12.41	12.58	0.916	12.43	76.50	13.34	75.72
13P1500C_2	13P	G002YR24HR	12.38	3.56	0.916	12.39	75.64	12.38	74.48
13P1500C_2	13P	G010YR24HR	12.38	6.34	0.916	12.39	75.93	12.45	75.12
13P1500C_2	13P	G025YR24HR	12.39	8.50	0.916	12.40	76.14	12.44	75.35
13P1500C_2	13P	G100YR24HR	12.41	12.58	0.916	12.43	76.50	13.34	75.72
13P1650	13P	G002YR24HR	12.35	7.14	4.611	12.36	75.91	12.39	75.64
13P1650	13P	G010YR24HR	12.34	12.73	4.611	12.36	76.27	12.39	75.93
13P1650	13P	G025YR24HR	12.35	17.07	4.611	12.37	76.51	12.40	76.14
13P1650	13P	G100YR24HR	12.38	25.24	4.611	12.40	76.91	12.43	76.50

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P1700	13P	G002YR24HR	12.70	4.71	0.906	12.68	76.32	12.36	75.91
13P1700	13P	G010YR24HR	12.65	8.35	0.906	12.55	76.63	12.36	76.27
13P1700	13P	G025YR24HR	12.69	11.81	1.007	12.57	76.88	12.37	76.51
13P1700	13P	G100YR24HR	13.30	22.94	1.006	13.29	77.46	12.40	76.91
13P1750W	13P	G002YR24HR	12.64	4.71	0.000	12.64	76.95	12.68	76.32
13P1750W	13P	G010YR24HR	12.59	8.29	0.001	12.58	77.17	12.55	76.63
13P1750W	13P	G025YR24HR	12.64	11.72	0.001	12.61	77.40	12.57	76.88
13P1750W	13P	G100YR24HR	13.26	22.96	0.002	13.27	78.01	13.29	77.46
13P1810S	13P	G002YR24HR	12.08	1.45	-57.287	25.50	81.14	0.00	82.50
13P1810S	13P	G010YR24HR	12.08	2.22	-57.287	24.38	82.97	24.38	82.97
13P1810S	13P	G025YR24HR	12.08	2.67	-57.287	24.25	83.87	24.25	83.87
13P1810S	13P	G100YR24HR	15.27	3.58	-57.287	15.31	84.53	15.32	84.50
13P1810W	13P	G002YR24HR	0.00	0.00	0.000	25.50	81.14	0.00	81.40
13P1810W	13P	G010YR24HR	0.00	0.00	0.000	24.38	82.97	0.00	81.40
13P1810W	13P	G025YR24HR	0.00	0.00	0.000	24.25	83.87	0.00	81.40
13P1810W	13P	G100YR24HR	0.00	0.00	0.000	15.31	84.53	15.73	81.41
13P1811W_1	13P	G002YR24HR	0.00	0.00	0.000	0.00	82.50	0.00	81.70
13P1811W_1	13P	G010YR24HR	0.00	0.00	0.000	24.38	82.97	24.75	81.97
13P1811W_1	13P	G025YR24HR	0.00	0.00	0.000	24.25	83.87	24.45	82.08
13P1811W_1	13P	G100YR24HR	15.32	2.94	0.000	15.32	84.50	15.44	82.68
13P1811W_2	13P	G002YR24HR	0.00	0.00	0.000	0.00	82.50	0.00	81.70
13P1811W_2	13P	G010YR24HR	24.38	0.25	0.000	24.38	82.97	24.75	81.97
13P1811W_2	13P	G025YR24HR	24.25	0.52	0.000	24.25	83.87	24.45	82.08
13P1811W_2	13P	G100YR24HR	15.04	0.64	0.000	15.32	84.50	15.44	82.68
13P1812S	13P	G002YR24HR	0.00	0.00	0.000	0.00	81.70	0.00	81.40
13P1812S	13P	G010YR24HR	24.75	0.25	-0.000	24.75	81.97	24.75	81.57
13P1812S	13P	G025YR24HR	24.45	0.52	0.000	24.45	82.08	24.45	81.65
13P1812S	13P	G100YR24HR	15.44	3.58	0.001	15.44	82.68	15.59	82.06
13P1813C	13P	G002YR24HR	0.00	3.21	3.205	0.00	81.40	0.00	78.76
13P1813C	13P	G010YR24HR	0.00	3.21	3.205	0.00	81.40	0.00	78.76
13P1813C	13P	G025YR24HR	0.00	3.21	3.205	0.00	81.40	16.00	78.76
13P1813C	13P	G100YR24HR	15.51	3.57	3.205	15.73	81.41	13.20	78.86
13P1813W	13P	G002YR24HR	0.00	0.00	0.000	0.00	81.40	12.64	76.95
13P1813W	13P	G010YR24HR	0.00	0.00	0.000	0.00	81.40	12.58	77.17
13P1813W	13P	G025YR24HR	0.00	0.00	0.000	0.00	81.40	12.61	77.40
13P1813W	13P	G100YR24HR	0.00	0.00	0.000	15.73	81.41	13.27	78.01
13P1814W	13P	G002YR24HR	0.00	0.00	0.000	16.35	78.55	12.64	76.95
13P1814W	13P	G010YR24HR	17.50	12.01	0.003	17.50	78.71	12.58	77.17
13P1814W	13P	G025YR24HR	16.00	19.46	0.005	16.00	78.76	12.61	77.40
13P1814W	13P	G100YR24HR	13.20	39.51	0.006	13.20	78.86	13.27	78.01
13P1815	13P	G002YR24HR	16.35	34.92	-5.189	16.35	78.55	16.36	76.90
13P1815	13P	G010YR24HR	17.50	43.65	-5.188	17.50	78.71	17.48	77.18
13P1815	13P	G025YR24HR	16.00	47.09	-5.188	16.00	78.76	16.05	77.29
13P1815	13P	G100YR24HR	15.01	54.24	-5.189	13.20	78.86	13.04	78.08
13P1815C	GEE	G002YR24HR	16.35	34.92	0.007	16.36	76.90	0.00	76.33
13P1815C	GEE	G010YR24HR	17.48	43.65	0.009	17.48	77.18	0.00	76.33
13P1815C	GEE	G025YR24HR	15.93	47.08	0.009	16.05	77.29	0.00	76.33
13P1815C	GEE	G100YR24HR	14.96	54.23	-0.017	13.04	78.08	13.00	77.75
13P1820S	13P	G002YR24HR	16.33	34.38	0.008	16.33	81.62	16.33	79.14
13P1820S	13P	G010YR24HR	17.62	54.90	0.008	17.62	82.46	17.62	79.58
13P1820S	13P	G025YR24HR	16.15	65.05	0.008	16.15	82.86	16.15	79.78
13P1820S	13P	G100YR24HR	15.04	88.21	0.009	15.04	83.79	15.04	80.24
13P1821S	13P	G002YR24HR	21.40	1.96	0.001	21.48	82.41	21.40	81.75
13P1821S	13P	G010YR24HR	17.35	2.96	0.011	17.63	82.63	17.62	82.46
13P1821S	13P	G025YR24HR	17.31	3.77	0.043	16.27	82.97	16.15	82.86
13P1821S	13P	G100YR24HR	18.13	4.42	0.475	15.12	83.91	15.04	83.79
13P1823S	13P	G002YR24HR	21.05	1.99	-0.002	21.05	83.31	21.05	82.36
13P1823S	13P	G010YR24HR	17.06	2.96	-0.002	17.06	83.47	17.06	82.50
13P1823S	13P	G025YR24HR	17.04	3.76	-0.002	17.04	83.59	17.04	82.61
13P1823S	13P	G100YR24HR	18.14	4.04	0.003	15.13	84.07	15.12	83.91
13P182PS	13P	G002YR24HR	20.81	1.97	1.970	20.81	83.95	21.05	83.31
13P182PS	13P	G010YR24HR	17.03	2.96	1.970	17.03	85.22	17.06	83.47
13P182PS	13P	G025YR24HR	16.98	3.76	1.970	16.98	86.25	17.04	83.59
13P182PS	13P	G100YR24HR	12.86	3.92	1.970	18.94	87.52	15.13	84.07
13P1890S	13P	G002YR24HR	16.30	34.38	5.478	16.32	84.28	16.30	83.11

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P1890S	13P	G010YR24HR	17.59	51.94	5.478	17.64	85.00	17.59	83.71
13P1890S	13P	G025YR24HR	16.03	61.29	5.478	16.12	85.37	16.03	84.06
13P1890S	13P	G100YR24HR	15.02	84.29	5.478	15.05	86.29	13.09	85.10
13P2000S	13P	G002YR24HR	13.02	21.40	-20.458	16.32	84.28	16.32	84.28
13P2000S	13P	G010YR24HR	12.19	24.09	-20.532	17.63	85.00	17.64	85.00
13P2000S	13P	G025YR24HR	11.99	23.03	-16.946	16.11	85.37	16.12	85.37
13P2000S	13P	G100YR24HR	12.48	26.23	15.491	15.02	86.29	15.05	86.29
13P2020S	13P	G002YR24HR	12.48	9.42	0.003	12.49	85.44	12.48	84.86
13P2020S	13P	G010YR24HR	12.46	15.42	0.047	12.47	85.94	12.46	85.22
13P2020S	13P	G025YR24HR	12.46	19.51	0.031	12.46	86.25	12.46	85.46
13P2020S	13P	G100YR24HR	12.46	26.43	0.032	12.47	86.79	15.02	86.29
13P2020W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	16.32	84.28
13P2020W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	17.64	85.00
13P2020W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	16.12	85.37
13P2020W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	15.05	86.29
13P2100C	13P	G002YR24HR	12.93	0.38	0.034	12.49	85.44	12.49	85.44
13P2100C	13P	G010YR24HR	12.92	0.57	0.071	12.47	85.94	12.47	85.94
13P2100C	13P	G025YR24HR	12.92	0.70	0.091	12.46	86.25	12.46	86.25
13P2100C	13P	G100YR24HR	13.00	0.90	-0.088	12.47	86.79	12.47	86.79
13P2100W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	12.49	85.44
13P2100W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	12.47	85.94
13P2100W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	12.46	86.25
13P2100W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	12.47	86.79
13P2250	13P	G002YR24HR	0.00	0.00	0.000	72.00	85.88	12.49	85.44
13P2250	13P	G010YR24HR	0.00	0.00	0.000	72.00	86.74	12.47	85.94
13P2250	13P	G025YR24HR	0.00	0.00	0.000	72.00	87.31	12.46	86.25
13P2250	13P	G100YR24HR	72.00	0.23	0.000	72.00	88.19	72.00	87.60
13P2300D	13P	G002YR24HR	12.08	4.56	0.001	15.19	89.47	15.16	89.43
13P2300D	13P	G010YR24HR	14.30	3.95	0.001	13.39	90.42	13.09	90.11
13P2300D	13P	G025YR24HR	14.91	5.16	0.094	13.39	91.09	13.01	90.61
13P2300D	13P	G100YR24HR	16.27	6.32	0.155	13.61	92.16	13.06	91.45
13P2300W	13P	G002YR24HR	0.00	0.00	0.000	15.19	89.47	72.00	85.88
13P2300W	13P	G010YR24HR	0.00	0.00	0.000	13.39	90.42	72.00	86.74
13P2300W	13P	G025YR24HR	0.00	0.00	0.000	13.39	91.09	72.00	87.31
13P2300W	13P	G100YR24HR	0.00	0.00	0.000	13.61	92.16	72.00	88.19
13P2350S	13P	G002YR24HR	12.10	2.95	-0.172	15.16	89.43	15.15	89.43
13P2350S	13P	G010YR24HR	14.29	4.02	-0.173	13.09	90.11	13.07	90.09
13P2350S	13P	G025YR24HR	14.86	5.27	-0.174	13.01	90.61	12.99	90.58
13P2350S	13P	G100YR24HR	16.27	6.45	-0.172	13.06	91.45	13.04	91.41
13P2400C	13P	G002YR24HR	13.86	3.75	1.079	72.00	85.88	72.00	85.88
13P2400C	13P	G010YR24HR	13.85	5.33	-1.286	72.00	86.74	72.00	86.74
13P2400C	13P	G025YR24HR	13.85	5.71	-1.448	72.00	87.31	72.00	87.31
13P2400C	13P	G100YR24HR	24.50	7.24	-1.614	72.00	88.19	72.00	88.19
13P2400S	13P	G002YR24HR	15.12	2.66	-44.513	15.15	89.43	15.16	89.41
13P2400S	13P	G010YR24HR	13.06	9.96	-44.513	13.07	90.09	13.09	89.76
13P2400S	13P	G025YR24HR	13.04	13.63	-44.513	12.99	90.58	12.98	89.97
13P2400S	13P	G100YR24HR	12.88	17.04	-44.513	13.04	91.41	13.49	90.50
13P2400W	13P	G002YR24HR	0.00	0.00	0.000	15.15	89.43	72.00	85.88
13P2400W	13P	G010YR24HR	0.00	0.00	0.000	13.07	90.09	72.00	86.74
13P2400W	13P	G025YR24HR	0.00	0.00	0.000	12.99	90.58	72.00	87.31
13P2400W	13P	G100YR24HR	0.00	0.00	0.000	13.04	91.41	72.00	88.19
13P2410W_1	13P	G002YR24HR	15.16	2.13	0.000	15.16	89.41	15.29	88.17
13P2410W_1	13P	G010YR24HR	13.09	9.57	0.002	13.09	89.76	13.18	89.08
13P2410W_1	13P	G025YR24HR	13.03	13.33	-0.006	12.98	89.97	12.95	89.51
13P2410W_1	13P	G100YR24HR	12.93	16.75	0.006	13.49	90.50	13.52	90.33
13P2410W_2	13P	G002YR24HR	13.46	0.56	0.000	15.16	89.41	15.29	88.17
13P2410W_2	13P	G010YR24HR	12.23	0.58	0.000	13.09	89.76	13.18	89.08
13P2410W_2	13P	G025YR24HR	12.03	0.59	-0.000	12.98	89.97	12.95	89.51
13P2410W_2	13P	G100YR24HR	11.72	0.57	-0.000	13.49	90.50	13.52	90.33
13P2420S	13P	G002YR24HR	15.24	2.66	0.001	15.29	88.17	15.24	85.18
13P2420S	13P	G010YR24HR	13.17	9.94	0.003	13.18	89.08	13.17	85.78
13P2420S	13P	G025YR24HR	13.02	13.74	0.006	12.95	89.51	72.00	87.31
13P2420S	13P	G100YR24HR	12.97	16.85	0.011	13.52	90.33	72.00	88.19
13P2610S	13P	G002YR24HR	12.35	36.56	-14.929	72.00	85.88	72.00	85.88
13P2610S	13P	G010YR24HR	12.09	41.58	-14.929	72.00	86.74	72.00	86.74
13P2610S	13P	G025YR24HR	12.01	43.51	-14.929	72.00	87.31	72.00	87.31

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P2610S	13P	G100YR24HR	11.89	42.29	-14.929	24.57	88.27	72.00	88.19
13P2630S	13P	G002YR24HR	12.34	36.68	-0.458	12.37	87.62	72.00	85.88
13P2630S	13P	G010YR24HR	12.09	41.80	-0.458	12.10	88.76	72.00	86.74
13P2630S	13P	G025YR24HR	11.99	43.85	-0.458	12.08	89.65	72.00	87.31
13P2630S	13P	G100YR24HR	11.90	42.56	-0.458	15.59	90.02	24.57	88.27
13P2635W	13P	G002YR24HR	0.00	0.00	0.000	12.37	87.62	72.00	85.88
13P2635W	13P	G010YR24HR	0.00	0.00	0.000	12.10	88.76	72.00	86.74
13P2635W	13P	G025YR24HR	0.00	0.00	0.000	12.08	89.65	72.00	87.31
13P2635W	13P	G100YR24HR	15.59	1.30	0.000	15.59	90.02	72.00	88.19
13P2643S	13P	G002YR24HR	12.10	24.33	-1.492	12.10	89.61	12.37	87.62
13P2643S	13P	G010YR24HR	12.02	26.21	-1.413	12.09	90.83	12.10	88.76
13P2643S	13P	G025YR24HR	11.91	25.94	-1.338	12.08	90.89	12.08	89.65
13P2643S	13P	G100YR24HR	11.79	25.42	-1.292	12.08	90.92	15.59	90.02
13P2643W1	13P	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.37	87.62
13P2643W1	13P	G010YR24HR	12.09	3.13	0.018	12.09	90.83	12.10	88.76
13P2643W1	13P	G025YR24HR	12.08	13.08	0.041	12.08	90.89	12.08	89.65
13P2643W1	13P	G100YR24HR	12.08	22.51	0.039	12.08	90.92	15.59	90.02
13P2643W2	13P	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.79	87.74
13P2643W2	13P	G010YR24HR	0.00	0.00	0.000	12.09	90.83	14.73	88.42
13P2643W2	13P	G025YR24HR	0.00	0.00	0.000	12.08	90.89	16.90	89.05
13P2643W2	13P	G100YR24HR	0.00	0.00	0.000	12.08	90.92	15.62	90.05
13P2644S	13P	G002YR24HR	12.00	15.90	0.709	12.09	92.63	12.10	89.61
13P2644S	13P	G010YR24HR	11.83	15.79	0.666	12.08	92.82	12.09	90.83
13P2644S	13P	G025YR24HR	14.33	15.78	-0.793	13.63	92.92	12.08	90.89
13P2644S	13P	G100YR24HR	11.68	15.37	-0.693	12.53	93.17	12.08	90.92
13P2644W1	13P	G002YR24HR	0.00	0.00	0.000	12.09	92.63	72.00	85.88
13P2644W1	13P	G010YR24HR	0.00	0.00	0.000	12.08	92.82	72.00	86.74
13P2644W1	13P	G025YR24HR	0.00	0.00	0.000	13.63	92.92	72.00	87.31
13P2644W1	13P	G100YR24HR	0.00	0.00	0.000	12.53	93.17	72.00	88.19
13P2644W2	13P	G002YR24HR	0.00	0.00	0.000	12.09	92.63	15.41	86.14
13P2644W2	13P	G010YR24HR	0.00	0.00	0.000	12.08	92.82	17.90	88.05
13P2644W2	13P	G025YR24HR	0.00	0.00	0.000	13.63	92.92	20.17	88.82
13P2644W2	13P	G100YR24HR	0.00	0.00	0.000	12.53	93.17	23.70	90.07
13P2646S	13P	G002YR24HR	12.68	1.64	0.263	12.09	92.61	12.09	92.63
13P2646S	13P	G010YR24HR	14.62	8.48	0.029	12.08	92.80	12.08	92.82
13P2646S	13P	G025YR24HR	19.95	8.41	-0.046	13.66	92.92	13.63	92.92
13P2646S	13P	G100YR24HR	24.91	7.24	0.278	12.55	93.16	12.53	93.17
13P2646W	13P	G002YR24HR	0.00	0.00	-0.077	12.09	92.61	12.09	92.63
13P2646W	13P	G010YR24HR	12.91	4.53	-0.092	12.08	92.80	12.08	92.82
13P2646W	13P	G025YR24HR	17.98	13.17	-0.114	13.66	92.92	13.63	92.92
13P2646W	13P	G100YR24HR	20.70	10.84	0.235	12.55	93.16	12.53	93.17
13P2647W	13P	G002YR24HR	0.00	0.00	-0.111	25.50	92.42	12.09	92.61
13P2647W	13P	G010YR24HR	13.69	9.14	-0.135	13.69	92.62	12.08	92.80
13P2647W	13P	G025YR24HR	18.00	13.84	-0.169	13.73	92.94	13.66	92.92
13P2647W	13P	G100YR24HR	23.84	11.49	-0.212	12.59	93.14	12.55	93.16
13P2647W2	13P	G002YR24HR	0.00	0.00	0.000	25.50	92.42	12.79	87.74
13P2647W2	13P	G010YR24HR	0.00	0.00	0.000	13.69	92.62	14.73	88.42
13P2647W2	13P	G025YR24HR	0.00	0.00	0.000	13.73	92.94	16.90	89.05
13P2647W2	13P	G100YR24HR	12.59	82.85	0.034	12.59	93.14	15.62	90.05
13P2650S	13P	G002YR24HR	13.42	17.71	-0.833	12.79	87.74	12.37	87.62
13P2650S	13P	G010YR24HR	18.00	14.36	-0.955	14.73	88.42	12.10	88.76
13P2650S	13P	G025YR24HR	25.00	14.89	-0.427	16.90	89.05	12.08	89.65
13P2650S	13P	G100YR24HR	28.18	15.68	0.076	15.62	90.05	15.59	90.02
13P2660W	13P	G002YR24HR	0.00	0.00	0.000	12.79	87.74	12.37	87.62
13P2660W	13P	G010YR24HR	0.00	0.00	0.000	14.73	88.42	12.10	88.76
13P2660W	13P	G025YR24HR	0.00	0.00	-0.020	16.90	89.05	12.08	89.65
13P2660W	13P	G100YR24HR	24.93	17.09	-0.026	15.62	90.05	15.59	90.02
13P270PS	13P	G002YR24HR	12.89	21.04	21.040	15.41	86.14	72.00	85.88
13P270PS	13P	G010YR24HR	12.21	21.04	21.040	17.90	88.05	72.00	86.74
13P270PS	13P	G025YR24HR	11.99	21.04	21.040	20.17	88.82	72.00	87.31
13P270PS	13P	G100YR24HR	11.36	21.04	21.040	23.70	90.07	72.00	88.19
13P31200S	GEE	G002YR24HR	12.05	12.77	-0.006	12.07	91.64	12.07	91.39
13P31200S	GEE	G010YR24HR	12.05	17.19	-0.006	12.06	92.83	12.06	92.17
13P31200S	GEE	G025YR24HR	12.06	20.89	-0.006	12.07	93.85	12.07	92.88
13P31200S	GEE	G100YR24HR	12.08	27.49	-0.006	12.09	96.12	12.09	94.43

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P3150S	GEE	G002YR24HR	12.07	12.76	0.012	12.07	91.39	12.05	89.78
13P3150S	GEE	G010YR24HR	12.06	17.18	-0.014	12.06	92.17	12.04	89.98
13P3150S	GEE	G025YR24HR	12.07	20.89	0.015	12.07	92.88	12.07	90.13
13P3150S	GEE	G100YR24HR	12.09	27.47	0.016	12.09	94.43	12.08	90.31
13P3250S	GEE	G002YR24HR	12.02	12.82	-0.092	12.06	91.72	12.07	91.64
13P3250S	GEE	G010YR24HR	12.04	17.22	-0.092	12.06	93.08	12.06	92.83
13P3250S	GEE	G025YR24HR	12.05	20.93	-0.092	12.07	94.22	12.07	93.85
13P3250S	GEE	G100YR24HR	12.06	27.55	-0.092	12.08	96.75	12.09	96.12
13P3300S	GEE	G002YR24HR	12.00	12.94	-1.685	12.06	91.79	12.06	91.72
13P3300S	GEE	G010YR24HR	12.00	17.31	-1.524	12.06	93.20	12.06	93.08
13P3300S	GEE	G025YR24HR	12.02	21.04	-1.367	12.07	94.41	12.07	94.22
13P3300S	GEE	G100YR24HR	12.00	27.74	-1.365	12.08	97.08	12.08	96.75
13P3350S	GEE	G002YR24HR	12.00	13.10	-3.320	12.06	91.83	12.06	91.79
13P3350S	GEE	G010YR24HR	12.00	17.58	-3.239	12.05	93.28	12.06	93.20
13P3350S	GEE	G025YR24HR	12.00	21.44	1.949	12.06	94.52	12.07	94.41
13P3350S	GEE	G100YR24HR	12.00	28.46	1.971	12.08	97.27	12.08	97.08
13P3400D	13P	G002YR24HR	12.01	5.56	-0.349	12.06	91.85	12.07	91.72
13P3400D	13P	G010YR24HR	12.00	10.24	-0.349	12.05	93.32	12.06	92.94
13P3400D	13P	G025YR24HR	12.00	13.02	-0.349	12.06	94.58	12.08	93.98
13P3400D	13P	G100YR24HR	12.00	17.81	-0.349	12.08	97.37	12.09	96.27
13P3400S	GEE	G002YR24HR	12.00	13.26	9.493	12.06	91.85	12.06	91.83
13P3400S	GEE	G010YR24HR	12.00	17.86	-8.086	12.05	93.32	12.05	93.28
13P3400S	GEE	G025YR24HR	12.00	21.86	6.467	12.06	94.58	12.06	94.52
13P3400S	GEE	G100YR24HR	12.00	29.22	6.412	12.08	97.37	12.08	97.27
13P3400W1	13P	G002YR24HR	12.00	23.19	0.810	12.06	91.85	12.07	91.72
13P3400W1	13P	G010YR24HR	12.00	38.41	0.749	12.05	93.32	12.06	92.94
13P3400W1	13P	G025YR24HR	12.00	48.81	0.381	12.06	94.58	12.08	93.98
13P3400W1	13P	G100YR24HR	12.00	66.78	0.383	12.08	97.37	12.09	96.27
13P3450S	GEE	G002YR24HR	12.07	27.72	0.008	12.07	91.72	72.00	85.88
13P3450S	GEE	G010YR24HR	12.06	47.03	0.011	12.06	92.94	72.00	86.74
13P3450S	GEE	G025YR24HR	12.08	59.25	0.011	12.08	93.98	72.00	87.31
13P3450S	GEE	G100YR24HR	12.09	79.91	0.015	12.09	96.27	72.00	88.19
13P3500S	GEE	G002YR24HR	12.08	27.69	-8.506	72.00	85.88	72.00	85.88
13P3500S	GEE	G010YR24HR	12.07	47.01	-8.506	72.00	86.74	72.00	86.74
13P3500S	GEE	G025YR24HR	12.08	59.23	-8.506	72.00	87.31	72.00	87.31
13P3500S	GEE	G100YR24HR	12.09	79.88	-8.506	72.00	88.19	72.00	88.19
13Q0450W	13Q	G002YR24HR	0.00	0.00	0.000	25.50	84.52	16.32	84.28
13Q0450W	13Q	G010YR24HR	0.00	0.00	0.000	25.50	84.91	17.64	85.00
13Q0450W	13Q	G025YR24HR	0.00	0.00	0.000	25.50	86.47	16.12	85.37
13Q0450W	13Q	G100YR24HR	13.66	25.94	0.007	13.66	88.89	15.05	86.29
13Q0810D	13Q	G002YR24HR	12.92	38.21	0.006	12.94	88.19	14.05	87.39
13Q0810D	13Q	G010YR24HR	12.65	63.54	0.010	13.14	89.55	14.17	88.60
13Q0810D	13Q	G025YR24HR	12.46	68.04	0.008	12.75	89.97	14.29	89.17
13Q0810D	13Q	G100YR24HR	12.25	67.09	-0.007	12.50	90.22	14.07	89.70
13Q0820D	13Q	G002YR24HR	12.91	14.82	0.006	12.94	88.19	14.05	87.39
13Q0820D	13Q	G010YR24HR	12.63	21.03	0.007	13.14	89.55	14.17	88.60
13Q0820D	13Q	G025YR24HR	12.43	22.28	0.006	12.75	89.97	14.29	89.17
13Q0820D	13Q	G100YR24HR	12.24	21.85	0.006	12.50	90.22	14.07	89.70
13Q0820W	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	25.50	84.52
13Q0820W	13Q	G010YR24HR	0.00	0.00	0.000	13.14	89.55	25.50	84.91
13Q0820W	13Q	G025YR24HR	12.75	52.10	0.023	12.75	89.97	25.50	86.47
13Q0820W	13Q	G100YR24HR	12.50	168.02	0.069	12.50	90.22	13.66	88.89
13Q0821S	13Q	G002YR24HR	14.04	11.13	0.013	14.05	87.39	14.07	85.68
13Q0821S	13Q	G010YR24HR	14.25	13.79	0.020	14.17	88.60	13.87	85.99
13Q0821S	13Q	G025YR24HR	14.21	14.86	-0.006	14.29	89.17	14.56	86.14
13Q0821S	13Q	G100YR24HR	12.61	14.06	-0.009	14.07	89.70	13.66	88.88
13Q0821W	13Q	G002YR24HR	13.55	31.41	-0.006	14.05	87.39	14.07	87.35
13Q0821W	13Q	G010YR24HR	12.57	39.51	-0.088	14.17	88.60	14.17	88.58
13Q0821W	13Q	G025YR24HR	12.31	43.02	0.104	14.29	89.17	14.30	89.16
13Q0821W	13Q	G100YR24HR	11.90	41.42	0.126	14.07	89.70	14.08	89.69
13Q0822S	13Q	G002YR24HR	14.07	11.13	-0.006	14.07	85.68	14.07	84.46
13Q0822S	13Q	G010YR24HR	14.27	13.80	0.007	13.87	85.99	17.64	85.00
13Q0822S	13Q	G025YR24HR	14.24	14.85	-0.006	14.56	86.14	16.12	85.37
13Q0822S	13Q	G100YR24HR	13.44	29.90	0.018	13.66	88.88	15.05	86.29
13Q0822W1	13Q	G002YR24HR	0.00	0.00	0.000	14.07	85.68	25.50	84.52
13Q0822W1	13Q	G010YR24HR	0.00	0.00	0.000	13.87	85.99	25.50	84.91

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0822W1	13Q	G025YR24HR	0.00	0.00	0.000	14.56	86.14	25.50	86.47
13Q0822W1	13Q	G100YR24HR	0.00	0.00	0.241	13.66	88.88	13.66	88.89
13Q0822W2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	85.68	14.49	85.83
13Q0822W2	13Q	G010YR24HR	0.00	0.00	0.000	13.87	85.99	14.41	86.23
13Q0822W2	13Q	G025YR24HR	0.00	0.00	0.000	14.56	86.14	14.80	86.70
13Q0822W2	13Q	G100YR24HR	0.00	0.00	0.000	13.66	88.88	14.71	87.60
13Q0830W_1	13Q	G002YR24HR	14.89	7.44	-0.268	14.07	87.39	14.05	87.39
13Q0830W_1	13Q	G010YR24HR	19.47	13.87	1.892	14.17	88.60	14.17	88.60
13Q0830W_1	13Q	G025YR24HR	22.21	13.71	-2.295	14.30	89.17	14.29	89.17
13Q0830W_1	13Q	G100YR24HR	26.55	16.63	-2.768	14.08	89.70	14.07	89.70
13Q0830W_2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	87.39	14.07	87.35
13Q0830W_2	13Q	G010YR24HR	14.23	13.44	-0.003	14.17	88.60	14.17	88.58
13Q0830W_2	13Q	G025YR24HR	14.43	19.89	-0.009	14.30	89.17	14.30	89.16
13Q0830W_2	13Q	G100YR24HR	14.07	21.28	-0.016	14.08	89.70	14.08	89.69
13Q0850D	13Q	G002YR24HR	12.97	2.46	0.000	12.97	87.92	14.03	87.53
13Q0850D	13Q	G010YR24HR	12.33	4.96	-0.003	12.82	88.04	13.21	88.04
13Q0850D	13Q	G025YR24HR	12.12	5.31	-0.005	12.79	88.15	12.80	88.15
13Q0850D	13Q	G100YR24HR	11.87	4.75	-0.005	22.67	88.34	22.62	88.34
13Q0860W	13Q	G002YR24HR	12.97	0.00	0.000	12.97	87.92	14.03	87.53
13Q0860W	13Q	G010YR24HR	12.54	4.68	-0.015	12.82	88.04	13.21	88.04
13Q0860W	13Q	G025YR24HR	12.24	7.06	-0.031	12.79	88.15	12.80	88.15
13Q0860W	13Q	G100YR24HR	11.97	5.64	-0.055	22.67	88.34	22.62	88.34
13Q0861S	13Q	G002YR24HR	13.10	2.44	0.125	14.03	87.53	14.09	87.37
13Q0861S	13Q	G010YR24HR	12.36	5.46	0.144	13.21	88.04	15.42	88.37
13Q0861S	13Q	G025YR24HR	12.17	5.78	0.148	12.80	88.15	15.94	88.84
13Q0861S	13Q	G100YR24HR	27.37	4.96	-0.153	22.62	88.34	16.81	89.40
13Q0865S	13Q	G002YR24HR	15.29	3.73	0.745	14.09	87.37	14.09	87.35
13Q0865S	13Q	G010YR24HR	20.13	4.51	0.901	15.42	88.37	14.47	88.44
13Q0865S	13Q	G025YR24HR	20.08	6.36	0.889	15.94	88.84	14.64	88.96
13Q0865S	13Q	G100YR24HR	25.43	7.59	0.929	16.81	89.40	14.24	89.53
13Q0870D	13Q	G002YR24HR	15.98	5.50	-0.003	14.91	87.38	14.09	87.35
13Q0870D	13Q	G010YR24HR	20.54	9.89	-0.529	15.45	88.38	14.47	88.44
13Q0870D	13Q	G025YR24HR	23.34	10.08	0.455	15.97	88.85	14.64	88.96
13Q0870D	13Q	G100YR24HR	27.59	9.53	0.504	16.84	89.40	14.24	89.53
13Q0870W	13Q	G002YR24HR	0.00	0.00	0.000	14.91	87.38	14.09	87.37
13Q0870W	13Q	G010YR24HR	16.89	6.41	0.031	15.45	88.38	15.42	88.37
13Q0870W	13Q	G025YR24HR	19.13	9.18	-0.154	15.97	88.85	15.94	88.84
13Q0870W	13Q	G100YR24HR	21.43	9.86	0.362	16.84	89.40	16.81	89.40
13Q0875S	13Q	G002YR24HR	15.40	8.32	-0.145	14.09	87.35	14.07	87.35
13Q0875S	13Q	G010YR24HR	20.14	12.93	1.184	14.47	88.44	14.17	88.58
13Q0875S	13Q	G025YR24HR	22.93	13.01	1.210	14.64	88.96	14.30	89.16
13Q0875S	13Q	G100YR24HR	27.28	15.35	1.444	14.24	89.53	14.08	89.69
13Q0875W	13Q	G002YR24HR	0.00	0.00	0.000	14.09	87.35	14.07	87.35
13Q0875W	13Q	G010YR24HR	0.00	0.00	0.000	14.47	88.44	14.17	88.58
13Q0875W	13Q	G025YR24HR	0.00	0.00	0.000	14.64	88.96	14.30	89.16
13Q0875W	13Q	G100YR24HR	0.00	0.00	-0.001	14.24	89.53	14.08	89.69
13Q0880S	13Q	G002YR24HR	13.43	29.15	0.006	14.07	87.35	14.48	86.15
13Q0880S	13Q	G010YR24HR	14.03	32.58	1.436	14.17	88.58	14.33	86.65
13Q0880S	13Q	G025YR24HR	13.59	33.68	1.721	14.30	89.16	14.67	87.14
13Q0880S	13Q	G100YR24HR	11.89	32.44	1.920	14.08	89.69	14.61	87.96
13Q0885S	13Q	G002YR24HR	13.65	28.36	0.006	14.48	86.15	14.49	85.83
13Q0885S	13Q	G010YR24HR	14.10	32.54	0.488	14.33	86.65	14.41	86.23
13Q0885S	13Q	G025YR24HR	13.86	33.48	0.689	14.67	87.14	14.80	86.70
13Q0885S	13Q	G100YR24HR	13.43	31.32	0.739	14.61	87.96	14.71	87.60
13Q0890S	13Q	G002YR24HR	14.48	28.25	0.003	14.49	85.83	14.52	85.06
13Q0890S	13Q	G010YR24HR	14.16	32.51	0.005	14.41	86.23	16.29	85.30
13Q0890S	13Q	G025YR24HR	14.00	33.34	0.006	14.80	86.70	15.68	85.58
13Q0890S	13Q	G100YR24HR	13.50	31.06	-0.011	14.71	87.60	14.99	86.44
13Q0895S	13Q	G002YR24HR	14.50	28.25	-98.595	14.52	85.06	14.52	85.01
13Q0895S	13Q	G010YR24HR	14.18	32.47	-98.595	16.29	85.30	16.51	85.25
13Q0895S	13Q	G025YR24HR	14.04	33.28	-98.595	15.68	85.58	15.82	85.52
13Q0895S	13Q	G100YR24HR	12.76	31.86	-98.595	14.99	86.44	15.01	86.38
13Q0895W	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.06	14.52	85.01
13Q0895W	13Q	G010YR24HR	0.00	0.00	0.000	16.29	85.30	16.51	85.25
13Q0895W	13Q	G025YR24HR	0.00	0.00	0.000	15.68	85.58	15.82	85.52
13Q0895W	13Q	G100YR24HR	0.00	0.00	0.000	14.99	86.44	15.01	86.38

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0896W_1	13Q	G002YR24HR	14.52	27.05	0.004	14.52	85.01	16.32	84.28
13Q0896W_1	13Q	G010YR24HR	14.23	31.66	0.007	16.51	85.25	17.64	85.00
13Q0896W_1	13Q	G025YR24HR	14.11	32.68	0.005	15.82	85.52	16.12	85.37
13Q0896W_1	13Q	G100YR24HR	12.76	36.77	-12.193	15.01	86.38	15.05	86.29
13Q0896W_2	13Q	G002YR24HR	13.55	1.30	-0.411	14.52	85.01	16.32	84.28
13Q0896W_2	13Q	G010YR24HR	33.81	1.25	-0.411	16.51	85.25	17.64	85.00
13Q0896W_2	13Q	G025YR24HR	35.94	1.25	-0.411	15.82	85.52	16.12	85.37
13Q0896W_2	13Q	G100YR24HR	39.88	1.28	-0.411	15.01	86.38	15.05	86.29
13Q0896W_3	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.01	16.32	84.28
13Q0896W_3	13Q	G010YR24HR	0.00	0.00	0.000	16.51	85.25	17.64	85.00
13Q0896W_3	13Q	G025YR24HR	0.00	0.00	0.000	15.82	85.52	16.12	85.37
13Q0896W_3	13Q	G100YR24HR	0.00	0.00	0.000	15.01	86.38	15.05	86.29
13Q0924S	13Q	G002YR24HR	12.88	21.57	0.144	13.14	88.70	13.25	88.46
13Q0924S	13Q	G010YR24HR	12.23	18.54	0.142	13.13	89.61	13.13	89.59
13Q0924S	13Q	G025YR24HR	12.04	18.08	0.142	12.76	90.04	12.76	90.01
13Q0924S	13Q	G100YR24HR	11.81	18.86	-0.144	12.51	90.34	12.51	90.30
13Q0940S	13Q	G002YR24HR	13.37	25.12	0.179	13.25	88.46	12.94	88.19
13Q0940S	13Q	G010YR24HR	15.46	21.24	0.157	13.13	89.59	13.14	89.55
13Q0940S	13Q	G025YR24HR	12.16	16.36	0.157	12.76	90.01	12.75	89.97
13Q0940S	13Q	G100YR24HR	11.96	18.48	0.157	12.51	90.30	12.50	90.22
13Q2290S	13Q	G002YR24HR	12.77	1.86	-0.001	24.84	80.83	24.84	80.83
13Q2290S	13Q	G010YR24HR	17.14	6.33	0.001	17.84	83.28	17.87	83.11
13Q2290S	13Q	G025YR24HR	18.94	7.38	0.001	20.44	85.48	20.48	85.24
13Q2290S	13Q	G100YR24HR	12.82	9.40	0.002	22.70	88.33	22.74	88.01
13Q2291D	13Q	G002YR24HR	24.84	0.35	0.000	24.84	80.83	25.06	77.01
13Q2291D	13Q	G010YR24HR	17.83	6.30	0.000	17.87	83.11	17.94	78.23
13Q2291D	13Q	G025YR24HR	20.44	7.36	0.001	20.48	85.24	20.78	78.44
13Q2291D	13Q	G100YR24HR	22.71	8.60	0.003	22.74	88.01	22.79	78.81
13Q2291W	13Q	G002YR24HR	0.00	0.00	-0.000	24.84	80.83	12.97	87.92
13Q2291W	13Q	G010YR24HR	0.00	0.00	-0.001	17.84	83.28	12.82	88.04
13Q2291W	13Q	G025YR24HR	0.00	0.00	-0.002	20.44	85.48	12.79	88.15
13Q2291W	13Q	G100YR24HR	0.00	0.00	-0.005	22.70	88.33	22.67	88.34
13Q2292S	13Q	G002YR24HR	24.76	0.35	0.000	25.06	77.01	24.76	76.13
13Q2292S	13Q	G010YR24HR	17.85	6.30	0.001	17.94	78.23	17.85	77.08
13Q2292S	13Q	G025YR24HR	20.55	7.36	-0.002	20.78	78.44	15.89	77.40
13Q2292S	13Q	G100YR24HR	23.15	8.60	0.003	22.79	78.81	13.20	77.40
13Q2293S	13Q	G002YR24HR	24.53	0.36	0.004	16.52	76.06	16.45	76.05
13Q2293S	13Q	G010YR24HR	18.04	6.30	0.023	17.79	76.84	17.65	76.43
13Q2293S	13Q	G025YR24HR	20.54	7.36	0.026	20.18	77.02	19.81	76.52
13Q2293S	13Q	G100YR24HR	24.58	8.61	0.034	20.06	77.30	12.20	76.79
13Q2294W_1	13Q	G002YR24HR	24.51	0.38	0.004	16.45	76.05	16.42	76.05
13Q2294W_1	13Q	G010YR24HR	18.01	6.31	0.008	17.65	76.43	17.63	76.36
13Q2294W_1	13Q	G025YR24HR	20.48	7.37	0.007	19.81	76.52	12.41	76.50
13Q2294W_1	13Q	G100YR24HR	24.54	8.63	0.003	12.20	76.79	12.19	76.78
13Q2295S	13Q	G002YR24HR	24.50	0.39	-1.692	16.42	76.05	16.41	76.05
13Q2295S	13Q	G010YR24HR	17.98	6.31	-2.805	17.63	76.36	12.51	76.32
13Q2295S	13Q	G025YR24HR	20.44	7.37	-2.989	12.41	76.50	12.34	76.51
13Q2295S	13Q	G100YR24HR	24.53	8.65	-2.782	12.19	76.78	12.18	76.78
13Q2295W	13Q	G002YR24HR	16.41	1.44	0.000	16.41	76.05	24.34	58.01
13Q2295W	13Q	G010YR24HR	12.49	17.09	0.007	12.49	76.33	21.23	59.14
13Q2295W	13Q	G025YR24HR	12.29	33.49	0.016	12.29	76.52	19.90	59.86
13Q2295W	13Q	G100YR24HR	12.18	60.63	0.015	12.18	76.78	20.96	61.23
13Q2296S	13Q	G002YR24HR	24.50	0.41	-1.107	16.41	76.05	16.41	76.05
13Q2296S	13Q	G010YR24HR	17.94	6.31	-2.072	12.51	76.32	12.49	76.33
13Q2296S	13Q	G025YR24HR	20.40	7.37	-2.586	12.34	76.51	12.29	76.52
13Q2296S	13Q	G100YR24HR	24.51	8.67	-2.554	12.18	76.78	12.18	76.78
A_ALTON	13A	G002YR24HR	0.00	0.00	0.000	14.94	17.01	15.04	15.92
A_ALTON	13A	G010YR24HR	15.03	67.10	0.008	15.03	20.09	15.30	17.34
A_ALTON	13A	G025YR24HR	15.10	249.49	0.013	15.10	20.77	15.43	18.06
A_ALTON	13A	G100YR24HR	15.44	517.09	0.055	15.44	21.51	15.96	19.03
A_COSTA	13A	G002YR24HR	0.00	0.00	0.000	14.32	31.19	14.35	30.62
A_COSTA	13A	G010YR24HR	14.28	27.53	0.004	14.28	32.68	13.62	31.85
A_COSTA	13A	G025YR24HR	14.14	229.13	0.018	14.14	33.38	14.19	32.59
A_COSTA	13A	G100YR24HR	13.95	666.15	0.065	13.95	34.09	14.08	33.64
A_EDGEM1	13A	G002YR24HR	0.00	0.00	0.000	12.64	39.08	12.64	38.98

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
A_EDGEM1	13A	G010YR24HR	12.76	8.69	0.003	12.76	40.32	12.74	40.10
A_EDGEM1	13A	G025YR24HR	12.83	73.99	0.018	12.83	40.85	12.79	40.62
A_EDGEM1	13A	G100YR24HR	13.09	177.64	0.042	12.98	41.50	12.88	41.27
A_EDGEM2	13A	G002YR24HR	15.40	3.17	0.000	15.40	50.51	13.10	42.83
A_EDGEM2	13A	G010YR24HR	12.64	24.82	0.007	12.64	50.88	13.08	44.80
A_EDGEM2	13A	G025YR24HR	12.45	44.93	0.012	12.45	51.12	13.27	46.43
A_EDGEM2	13A	G100YR24HR	12.34	80.08	0.014	12.34	51.47	13.65	48.43
A_FOOTBR	13A	G002YR24HR	0.00	0.00	0.000	14.42	29.73	14.43	29.50
A_FOOTBR	13A	G010YR24HR	0.00	0.00	0.000	13.62	31.39	14.35	31.11
A_FOOTBR	13A	G025YR24HR	14.20	27.09	0.004	14.20	32.08	14.21	31.81
A_FOOTBR	13A	G100YR24HR	14.15	395.38	0.036	14.17	33.18	14.24	32.96
A_HAYES	13A	G002YR24HR	0.00	0.00	0.000	14.58	26.07	14.60	25.32
A_HAYES	13A	G010YR24HR	14.59	154.84	0.026	14.59	27.55	14.69	26.64
A_HAYES	13A	G025YR24HR	14.66	480.70	0.043	14.66	28.08	14.81	27.64
A_HAYES	13A	G100YR24HR	14.10	1024.11	0.108	15.14	30.63	15.14	30.61
A_LAURA	13A	G002YR24HR	0.00	0.00	0.000	34.11	50.07	34.24	49.38
A_LAURA	13A	G010YR24HR	0.00	0.00	0.000	31.62	51.50	31.76	50.79
A_LAURA	13A	G025YR24HR	0.00	0.00	0.000	30.37	52.53	30.68	51.75
A_LAURA	13A	G100YR24HR	26.55	181.19	-0.004	26.55	53.44	26.54	53.00
A_MOSS	13A	G002YR24HR	12.61	143.38	0.036	12.91	37.68	12.92	37.65
A_MOSS	13A	G010YR24HR	12.60	283.29	0.051	13.06	38.53	13.07	38.49
A_MOSS	13A	G025YR24HR	12.43	378.08	0.048	13.10	39.03	13.12	38.98
A_MOSS	13A	G100YR24HR	12.33	508.21	0.087	13.19	39.73	13.20	39.67
A_MURPHY	13A	G002YR24HR	0.00	0.00	0.000	12.67	39.99	12.67	39.90
A_MURPHY	13A	G010YR24HR	0.00	0.00	0.000	12.82	41.04	12.81	40.95
A_MURPHY	13A	G025YR24HR	0.00	0.00	0.000	12.93	41.56	12.92	41.47
A_MURPHY	13A	G100YR24HR	0.00	0.00	0.000	13.17	42.52	13.13	42.11
A_TRADEW	13A	G002YR24HR	0.00	0.00	0.000	15.40	50.51	18.66	45.43
A_TRADEW	13A	G010YR24HR	12.64	15.81	0.005	12.64	50.88	20.41	47.13
A_TRADEW	13A	G025YR24HR	12.45	33.69	0.010	12.45	51.12	22.28	47.85
A_TRADEW	13A	G100YR24HR	12.34	66.24	0.013	12.34	51.47	24.43	48.97
C_ALTON	13C	G002YR24HR	0.00	0.00	0.000	15.11	17.31	15.22	16.96
C_ALTON	13C	G010YR24HR	15.15	9.17	0.001	15.15	19.56	15.39	17.78
C_ALTON	13C	G025YR24HR	14.65	107.44	0.012	14.65	19.95	15.40	18.34
C_ALTON	13C	G100YR24HR	14.32	306.40	0.055	14.32	20.30	17.69	19.36
C_HAYES	13C	G002YR24HR	0.00	0.00	0.000	13.16	31.96	13.48	31.28
C_HAYES	13C	G010YR24HR	0.00	0.00	0.000	13.24	32.79	13.62	31.52
C_HAYES	13C	G025YR24HR	0.00	0.00	0.000	13.37	33.32	13.58	31.66
C_HAYES	13C	G100YR24HR	13.35	8.30	0.002	13.35	34.14	13.47	31.90
C_JEEP	13C	G002YR24HR	15.70	104.81	0.009	15.65	15.73	15.54	15.36
C_JEEP	13C	G010YR24HR	16.47	218.11	0.011	15.85	16.99	15.68	16.65
C_JEEP	13C	G025YR24HR	17.71	284.65	0.012	15.86	17.78	15.76	17.44
C_JEEP	13C	G100YR24HR	22.22	552.31	0.013	18.08	19.03	16.22	18.55
C_SHORE	13C	G002YR24HR	0.00	0.00	0.000	13.55	28.88	13.58	28.08
C_SHORE	13C	G010YR24HR	13.62	37.05	0.006	13.62	30.13	13.62	28.72
C_SHORE	13C	G025YR24HR	13.23	113.21	0.019	13.23	30.35	13.21	29.15
C_SHORE	13C	G100YR24HR	12.99	229.54	0.040	12.99	30.58	12.92	29.60
D_FLAMIN	13D	G002YR24HR	0.00	0.00	0.000	12.40	40.26	12.35	39.00
D_FLAMIN	13D	G010YR24HR	12.25	63.71	0.064	12.25	41.54	12.25	39.56
D_FLAMIN	13D	G025YR24HR	12.22	127.75	0.104	12.22	41.70	12.23	39.89
D_FLAMIN	13D	G100YR24HR	12.21	236.90	0.114	12.21	41.90	12.21	40.28
D_MOSS1	13D	G002YR24HR	0.00	0.00	0.000	12.31	37.15	12.36	33.44
D_MOSS1	13D	G010YR24HR	0.00	0.00	0.000	12.23	37.45	12.27	34.73
D_MOSS1	13D	G025YR24HR	0.00	0.00	0.000	12.20	37.62	12.26	35.38
D_MOSS1	13D	G100YR24HR	0.00	0.00	0.000	12.22	38.07	12.25	36.24
D_MOSS2	13D	G002YR24HR	12.34	81.09	0.100	12.34	38.82	12.36	33.44
D_MOSS2	13D	G010YR24HR	12.25	229.89	0.121	12.25	39.26	12.27	34.73
D_MOSS2	13D	G025YR24HR	12.24	330.09	0.116	12.24	39.50	12.26	35.38
D_MOSS2	13D	G100YR24HR	12.22	510.42	0.132	12.22	39.88	12.25	36.24
D_MOSS3	13D	G002YR24HR	12.37	99.16	0.126	12.35	38.92	12.34	38.82
D_MOSS3	13D	G010YR24HR	12.26	207.80	0.140	12.25	39.38	12.25	39.26
D_MOSS3	13D	G025YR24HR	12.23	280.07	0.134	12.23	39.64	12.24	39.50
D_MOSS3	13D	G100YR24HR	12.22	407.11	-0.159	12.22	40.05	12.22	39.88
F_EDGEMO	13F	G002YR24HR	0.00	0.00	0.000	12.92	50.76	13.10	42.83
F_EDGEMO	13F	G010YR24HR	0.00	0.00	0.000	12.78	50.99	13.08	44.80
F_EDGEMO	13F	G025YR24HR	12.67	0.57	0.000	12.67	51.09	13.27	46.43

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
F_EDGEMO	13F	G100YR24HR	12.50	4.64	0.001	12.50	51.21	13.65	48.43
F_LAKE1	13F	G002YR24HR	0.00	0.00	0.000	29.00	62.88	12.98	55.23
F_LAKE1	13F	G010YR24HR	17.80	3.57	0.000	17.80	63.60	12.30	55.45
F_LAKE1	13F	G025YR24HR	14.62	14.82	0.002	14.62	63.69	16.79	55.72
F_LAKE1	13F	G100YR24HR	13.44	41.97	0.010	13.44	63.83	17.00	56.78
F_LAKE2	13F	G002YR24HR	0.00	0.00	0.000	17.70	64.97	12.98	55.23
F_LAKE2	13F	G010YR24HR	0.00	0.00	0.000	12.66	65.10	12.30	55.45
F_LAKE2	13F	G025YR24HR	22.52	2.85	0.000	22.52	65.50	16.79	55.72
F_LAKE2	13F	G100YR24HR	13.54	24.91	0.008	13.54	65.65	17.00	56.78
F_LAKE3	13F	G002YR24HR	0.00	0.00	0.000	72.00	60.78	12.98	55.23
F_LAKE3	13F	G010YR24HR	0.00	0.00	0.000	72.00	64.17	12.30	55.45
F_LAKE3	13F	G025YR24HR	0.00	0.00	0.000	22.52	65.50	16.79	55.72
F_LAKE3	13F	G100YR24HR	0.00	0.00	0.000	13.54	65.66	17.00	56.78
F_MURPHY	13F	G002YR24HR	12.92	2.44	0.000	12.92	50.76	25.36	46.93
F_MURPHY	13F	G010YR24HR	12.78	19.19	0.003	12.78	50.99	25.90	47.65
F_MURPHY	13F	G025YR24HR	12.67	35.66	0.006	12.67	51.09	24.58	48.02
F_MURPHY	13F	G100YR24HR	12.50	63.47	0.011	12.50	51.21	20.12	48.37
F_SEVENT	13F	G002YR24HR	0.00	0.00	0.000	25.36	46.93	25.09	46.04
F_SEVENT	13F	G010YR24HR	0.00	0.00	0.000	25.90	47.65	31.96	46.42
F_SEVENT	13F	G025YR24HR	24.58	13.42	0.000	24.58	48.02	24.87	46.89
F_SEVENT	13F	G100YR24HR	20.12	64.48	0.002	20.12	48.37	24.38	47.63
I_CHURCH	13I	G002YR24HR	0.00	0.00	0.000	25.50	71.57	12.78	62.42
I_CHURCH	13I	G010YR24HR	0.00	0.00	0.000	25.50	72.12	12.72	64.49
I_CHURCH	13I	G025YR24HR	0.00	0.00	0.000	25.50	72.50	12.63	64.65
I_CHURCH	13I	G100YR24HR	0.00	0.00	0.000	25.50	73.14	12.65	64.84
I_CR434	13I	G002YR24HR	0.00	0.00	0.000	12.78	62.42	13.26	60.07
I_CR434	13I	G010YR24HR	12.72	72.72	0.047	12.72	64.49	19.91	60.63
I_CR434	13I	G025YR24HR	12.63	174.33	0.110	12.63	64.65	20.48	61.50
I_CR434	13I	G100YR24HR	12.65	363.77	0.171	12.65	64.84	19.34	62.86
I_EAST	13I	G002YR24HR	13.69	3.89	0.003	13.69	62.67	26.43	62.60
I_EAST	13I	G010YR24HR	12.67	23.33	0.058	24.25	63.17	24.31	63.17
I_EAST	13I	G025YR24HR	12.51	41.87	0.058	17.81	63.29	17.86	63.28
I_EAST	13I	G100YR24HR	12.39	76.47	0.058	14.03	63.54	14.01	63.53
I_GRANT	13I	G002YR24HR	13.62	9.41	0.001	13.62	65.72	12.78	62.42
I_GRANT	13I	G010YR24HR	13.19	61.24	0.009	13.19	66.15	12.72	64.49
I_GRANT	13I	G025YR24HR	13.01	95.60	0.014	13.01	66.32	12.63	64.65
I_GRANT	13I	G100YR24HR	12.98	164.82	0.023	12.98	66.59	12.65	64.84
I_MAGNOL	13I	G002YR24HR	0.00	0.00	0.000	25.50	73.89	12.78	62.42
I_MAGNOL	13I	G010YR24HR	0.00	0.00	0.000	25.50	74.98	12.72	64.49
I_MAGNOL	13I	G025YR24HR	18.64	3.27	0.000	18.64	75.30	12.63	64.65
I_MAGNOL	13I	G100YR24HR	12.94	26.25	0.008	12.94	75.46	12.65	64.84
I_WILDME	13I	G002YR24HR	0.00	0.00	0.000	19.08	59.22	19.18	59.12
I_WILDME	13I	G010YR24HR	0.00	0.00	0.000	20.08	60.62	20.02	60.08
I_WILDME	13I	G025YR24HR	20.50	35.30	0.001	20.50	61.49	20.55	60.81
I_WILDME	13I	G100YR24HR	19.05	155.68	0.028	19.37	62.86	19.37	62.84
J_CR427	13J	G002YR24HR	0.00	0.00	0.000	16.39	77.81	15.95	77.46
J_CR427	13J	G010YR24HR	0.00	0.00	0.000	16.33	78.65	15.50	78.09
J_CR427	13J	G025YR24HR	0.00	0.00	0.000	16.47	79.30	15.47	78.34
J_CR427	13J	G100YR24HR	0.00	0.00	0.000	17.10	80.24	16.57	78.65
J_GRANT	13J	G002YR24HR	0.00	0.00	0.000	12.36	60.44	27.01	53.96
J_GRANT	13J	G010YR24HR	12.25	28.29	0.016	12.25	61.49	30.38	55.31
J_GRANT	13J	G025YR24HR	12.21	57.49	0.018	12.21	61.66	33.16	56.45
J_GRANT	13J	G100YR24HR	12.18	106.30	0.024	12.18	61.87	33.96	58.51
J_MARVIN	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.84	68.23
J_MARVIN	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.84	68.86
J_MARVIN	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	13.05	71.77
J_MARVIN	13J	G100YR24HR	12.93	5.51	0.042	12.93	74.58	12.88	73.24
J_OLEAND	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.26
J_OLEAND	13J	G010YR24HR	13.39	16.86	0.003	13.39	76.75	13.64	76.24
J_OLEAND	13J	G025YR24HR	12.93	34.46	0.007	12.93	76.84	12.99	76.50
J_OLEAND	13J	G100YR24HR	12.86	58.13	0.011	12.86	76.93	12.92	76.65
J_OVERST	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.28	74.25
J_OVERST	13J	G010YR24HR	13.64	0.67	0.000	13.64	76.22	13.66	75.15
J_OVERST	13J	G025YR24HR	12.99	37.63	0.009	12.99	76.47	13.01	76.18
J_OVERST	13J	G100YR24HR	12.90	73.74	0.024	12.91	76.61	12.91	76.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
J_TULLIS	13J	G002YR24HR	0.00	0.00	0.000	15.83	76.86	15.68	76.65
J_TULLIS	13J	G010YR24HR	0.00	0.00	0.000	14.11	77.42	13.88	77.08
J_TULLIS	13J	G025YR24HR	13.73	0.52	0.000	13.73	77.61	13.48	77.19
J_TULLIS	13J	G100YR24HR	13.03	18.68	0.004	13.03	77.84	13.12	77.42
J_WILDME	13J	G002YR24HR	0.00	0.00	0.000	15.62	76.61	15.18	76.23
J_WILDME	13J	G010YR24HR	0.00	0.00	0.000	13.76	77.06	13.40	76.76
J_WILDME	13J	G025YR24HR	0.00	0.00	0.000	13.43	77.17	12.93	76.84
J_WILDME	13J	G100YR24HR	0.00	0.00	0.000	13.11	77.41	12.87	76.94
K_#1792N	13K	G002YR24HR	0.00	0.00	0.000	12.24	61.68	12.26	60.27
K_#1792N	13K	G010YR24HR	0.00	0.00	0.000	12.61	63.02	12.15	60.85
K_#1792N	13K	G025YR24HR	15.92	9.79	0.003	15.92	64.46	12.10	60.90
K_#1792N	13K	G100YR24HR	13.75	152.05	0.027	13.75	65.02	13.74	61.21
K_#1792S	13K	G002YR24HR	0.00	0.00	0.000	12.23	62.69	12.24	61.68
K_#1792S	13K	G010YR24HR	0.00	0.00	0.000	12.80	64.37	12.61	63.02
K_#1792S	13K	G025YR24HR	15.88	45.38	0.002	15.88	65.25	15.92	64.46
K_#1792S	13K	G100YR24HR	13.72	192.29	0.022	13.72	65.73	13.75	65.02
K_GOLDEN	13K	G002YR24HR	0.00	0.00	0.000	12.85	63.37	12.23	62.69
K_GOLDEN	13K	G010YR24HR	13.55	38.88	0.074	12.81	64.40	12.80	64.37
K_GOLDEN	13K	G025YR24HR	15.90	45.36	0.190	15.88	65.26	15.88	65.25
K_GOLDEN	13K	G100YR24HR	13.68	98.63	0.553	13.72	65.76	13.72	65.73
K_GRIFF1	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	18.51	74.72
K_GRIFF1	13K	G010YR24HR	0.00	0.00	0.000	16.24	76.23	16.01	75.07
K_GRIFF1	13K	G025YR24HR	14.76	1.71	0.000	14.76	76.51	14.67	75.13
K_GRIFF1	13K	G100YR24HR	13.59	31.22	0.004	13.59	76.86	13.60	75.46
K_GRIFF2	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.23	62.69
K_GRIFF2	13K	G010YR24HR	16.24	2.73	0.000	16.24	76.23	12.80	64.37
K_GRIFF2	13K	G025YR24HR	14.76	25.79	0.002	14.76	76.51	15.88	65.25
K_GRIFF2	13K	G100YR24HR	13.59	71.41	0.009	13.59	76.86	13.72	65.73
K_GRIFF3	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.25	73.73
K_GRIFF3	13K	G010YR24HR	16.24	1.59	0.000	16.24	76.23	12.15	74.31
K_GRIFF3	13K	G025YR24HR	14.76	15.04	0.001	14.76	76.51	12.14	74.57
K_GRIFF3	13K	G100YR24HR	13.59	41.66	0.005	13.59	76.86	12.12	74.94
K_SEMINO	13K	G002YR24HR	0.00	0.00	0.000	12.26	60.27	33.55	51.70
K_SEMINO	13K	G010YR24HR	12.15	11.12	0.019	12.15	60.85	30.99	52.76
K_SEMINO	13K	G025YR24HR	12.10	23.02	0.034	12.10	60.90	29.86	53.29
K_SEMINO	13K	G100YR24HR	13.74	161.17	0.041	13.74	61.21	26.28	53.96
K_SLUMBE	13K	G002YR24HR	0.00	0.00	0.000	12.94	64.69	12.85	63.37
K_SLUMBE	13K	G010YR24HR	0.00	0.00	0.000	13.69	66.48	12.81	64.40
K_SLUMBE	13K	G025YR24HR	15.54	11.61	0.002	15.54	67.87	15.88	65.26
K_SLUMBE	13K	G100YR24HR	13.33	66.72	0.016	13.33	68.13	13.72	65.76
L_CGC12	13L	G002YR24HR	0.00	0.00	0.000	12.75	55.14	12.72	54.77
L_CGC12	13L	G010YR24HR	13.06	6.92	0.002	13.06	56.10	12.54	55.71
L_CGC12	13L	G025YR24HR	13.16	128.93	0.020	13.16	56.62	12.83	56.21
L_CGC12	13L	G100YR24HR	13.17	377.16	0.050	13.13	57.22	13.11	57.15
L_CGC13	13L	G002YR24HR	14.84	0.56	0.000	14.84	55.99	15.76	55.89
L_CGC13	13L	G010YR24HR	14.29	125.40	0.017	14.63	56.75	14.64	56.74
L_CGC13	13L	G025YR24HR	13.10	177.29	0.028	14.42	57.21	14.42	57.20
L_CGC13	13L	G100YR24HR	12.58	258.24	0.140	14.79	58.10	14.80	58.09
L_CGC14	13L	G002YR24HR	13.45	0.35	0.000	13.45	56.33	14.84	55.99
L_CGC14	13L	G010YR24HR	12.74	77.46	0.015	12.74	56.89	14.63	56.75
L_CGC14	13L	G025YR24HR	12.59	154.75	0.035	14.41	57.22	14.42	57.21
L_CGC14	13L	G100YR24HR	12.58	318.39	0.059	14.79	58.10	14.79	58.10
L_KATHRY	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	33.55	51.70
L_KATHRY	13L	G010YR24HR	12.08	0.11	-0.000	12.08	54.08	30.99	52.76
L_KATHRY	13L	G025YR24HR	12.08	1.31	0.001	12.08	54.15	29.86	53.29
L_KATHRY	13L	G100YR24HR	14.35	25.82	0.002	14.35	54.50	26.28	53.96
L_NTRIPL	13L	G002YR24HR	14.70	1.08	0.000	14.70	54.65	28.15	52.13
L_NTRIPL	13L	G010YR24HR	13.06	28.07	0.005	13.06	54.93	26.40	53.32
L_NTRIPL	13L	G025YR24HR	12.80	49.58	0.011	12.80	55.03	26.74	54.08
L_NTRIPL	13L	G100YR24HR	12.60	87.14	-0.155	12.60	55.17	26.80	55.14
L_OXFORD	13L	G002YR24HR	0.00	0.00	0.000	12.56	71.27	13.00	70.85
L_OXFORD	13L	G010YR24HR	0.00	0.00	0.000	12.93	72.63	13.66	71.90
L_OXFORD	13L	G025YR24HR	12.90	24.09	0.007	12.90	73.99	14.04	73.15
L_OXFORD	13L	G100YR24HR	12.93	166.84	0.044	12.95	74.64	13.37	74.42
P_MORSE	13P	G002YR24HR	23.77	0.86	-0.000	23.77	89.63	12.79	87.74
P_MORSE	13P	G010YR24HR	13.26	9.20	0.001	13.26	89.79	14.73	88.42

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P_MORSE	13P	G025YR24HR	12.80	25.93	0.004	12.80	89.95	16.90	89.05
P_MORSE	13P	G100YR24HR	12.48	75.82	0.016	12.48	90.14	15.62	90.05
P_NTRIPL	13P	G002YR24HR	0.00	0.00	0.000	12.09	55.57	0.00	54.10
P_NTRIPL	13P	G010YR24HR	0.00	0.00	0.000	12.09	55.74	12.11	54.11
P_NTRIPL	13P	G025YR24HR	0.00	0.00	0.000	12.09	55.83	12.11	54.14
P_NTRIPL	13P	G100YR24HR	0.00	0.00	0.000	12.08	55.98	26.85	55.14
P_SOUTHC	13P	G002YR24HR	0.00	0.00	0.000	12.39	75.64	12.54	74.81
P_SOUTHC	13P	G010YR24HR	0.00	0.00	0.000	12.39	75.93	12.45	75.12
P_SOUTHC	13P	G025YR24HR	0.00	0.00	0.000	12.40	76.14	12.44	75.35
P_SOUTHC	13P	G100YR24HR	0.00	0.00	0.000	12.43	76.50	13.34	75.72
POND10D	13L	G002YR24HR	12.44	63.95	-0.142	12.66	56.54	14.84	55.99
POND10D	13L	G010YR24HR	12.25	82.15	0.569	12.48	57.49	14.63	56.75
POND10D	13L	G025YR24HR	12.19	82.90	0.486	12.43	57.76	14.42	57.21
POND10D	13L	G100YR24HR	12.19	83.60	0.621	12.40	58.12	14.79	58.10
POND10W	13L	G002YR24HR	0.00	0.00	0.000	12.66	56.54	13.45	56.33
POND10W	13L	G010YR24HR	12.48	48.25	0.016	12.48	57.49	12.74	56.89
POND10W	13L	G025YR24HR	12.43	91.89	0.025	12.43	57.76	14.41	57.22
POND10W	13L	G100YR24HR	12.40	166.02	0.031	12.40	58.12	14.79	58.10
POND11D	13L	G002YR24HR	13.46	5.62	0.003	13.22	59.61	12.96	58.82
POND11D	13L	G010YR24HR	16.21	6.52	-0.004	13.63	61.19	13.63	61.19
POND11D	13L	G025YR24HR	19.26	6.37	-0.006	13.99	61.94	13.99	61.93
POND11D	13L	G100YR24HR	25.17	5.67	-0.006	14.46	63.01	14.46	63.01
POND2D	13L	G002YR24HR	13.84	32.30	1.240	13.94	52.50	28.15	52.13
POND2D	13L	G010YR24HR	13.35	50.87	0.009	14.30	53.84	26.40	53.32
POND2D	13L	G025YR24HR	13.16	56.46	0.011	14.76	54.81	26.74	54.08
POND2D	13L	G100YR24HR	13.29	62.61	0.005	16.17	56.19	26.80	55.14
POND5D	13N	G002YR24HR	12.55	27.59	0.005	12.55	62.05	12.62	57.52
POND5D	13N	G010YR24HR	12.62	42.22	0.007	12.64	62.69	12.67	58.57
POND5D	13N	G025YR24HR	12.17	41.68	0.008	12.88	63.21	13.48	59.47
POND5D	13N	G100YR24HR	12.01	41.40	0.009	13.25	63.49	14.23	60.18
Q_ANCHO1	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	14.05	87.39
Q_ANCHO1	13Q	G010YR24HR	13.14	12.41	0.003	13.14	89.55	14.17	88.60
Q_ANCHO1	13Q	G025YR24HR	12.75	30.67	0.006	12.75	89.97	14.29	89.17
Q_ANCHO1	13Q	G100YR24HR	12.50	44.34	0.013	12.50	90.22	14.07	89.70
Q_OAK	13Q	G002YR24HR	0.00	0.00	0.000	13.25	88.46	12.94	88.19
Q_OAK	13Q	G010YR24HR	13.01	36.51	0.012	13.13	89.59	13.14	89.55
Q_OAK	13Q	G025YR24HR	12.77	70.63	0.021	12.76	90.01	12.75	89.97
Q_OAK	13Q	G100YR24HR	12.56	121.97	0.040	12.51	90.30	12.50	90.22
Q_PINE	13Q	G002YR24HR	13.14	3.96	0.001	13.14	88.70	13.25	88.46
Q_PINE	13Q	G010YR24HR	12.64	44.39	0.019	13.13	89.61	13.13	89.59
Q_PINE	13Q	G025YR24HR	12.73	67.42	0.025	12.76	90.04	12.76	90.01
Q_PINE	13Q	G100YR24HR	12.55	110.28	0.026	12.51	90.34	12.51	90.30

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.4 Node Max Comparison Report – Scenario 1

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
12-01-02	12	G002YR24HR	15.83	15.96	0.00	0.0012	27	0.00	0.00	20.22	94.52
12-01-02	12	G010YR24HR	16.67	17.33	0.00	0.0012	27	0.00	0.00	22.94	152.80
12-01-02	12	G025YR24HR	17.17	18.14	0.00	0.0012	27	0.00	0.00	27.41	214.04
12-01-02	12	G100YR24HR	22.17	19.86	0.00	0.0012	27	0.00	0.00	22.17	519.99
13A0100N	13A	G002YR24HR	15.37	10.21	0.00	0.0001	19257	15.35	587.11	15.37	587.10
13A0100N	13A	G010YR24HR	15.60	11.75	0.00	0.0002	60595	15.54	1008.53	15.60	1008.40
13A0100N	13A	G025YR24HR	15.68	12.69	0.00	0.0002	67052	15.62	1277.32	15.68	1277.16
13A0100N	13A	G100YR24HR	15.89	13.60	0.00	0.0003	84339	15.89	1661.57	15.89	1661.99
13A0300N	13A	G002YR24HR	15.36	10.69	0.00	0.0001	23428	15.33	586.01	15.35	585.97
13A0300N	13A	G010YR24HR	15.58	12.40	0.00	0.0002	26747	15.51	1006.98	15.54	1006.88
13A0300N	13A	G025YR24HR	15.66	13.39	0.00	0.0003	28357	15.60	1275.46	15.62	1275.34
13A0300N	13A	G100YR24HR	15.90	14.48	0.00	0.0003	31315	15.89	1659.14	15.90	1659.14
13A0500N	13A	G002YR24HR	15.37	10.87	22.78	-0.0002	11731	15.38	570.49	15.39	570.50
13A0500N	13A	G010YR24HR	15.58	12.60	22.78	0.0002	20493	15.61	979.85	15.63	979.90
13A0500N	13A	G025YR24HR	15.67	13.61	22.78	0.0003	22432	15.70	1240.12	15.73	1240.21
13A0500N	13A	G100YR24HR	15.93	14.73	22.78	0.0003	25680	16.15	1613.08	16.17	1613.25
13A0600N	13A	G002YR24HR	15.37	11.41	9.75	-0.0004	14404	15.36	570.49	15.38	570.49
13A0600N	13A	G010YR24HR	15.59	13.27	9.75	-0.0008	22455	17.07	986.18	15.61	979.85
13A0600N	13A	G025YR24HR	15.68	14.30	9.75	0.0008	24261	15.68	1240.10	15.70	1240.12
13A0600N	13A	G100YR24HR	16.04	15.57	9.75	0.0008	24261	16.13	1612.97	16.15	1613.08
13A0725N	13A	G002YR24HR	12.83	16.60	0.00	0.0002	523	12.82	19.66	12.83	19.65
13A0725N	13A	G010YR24HR	13.60	17.15	0.00	-0.0004	451	13.13	23.62	13.12	23.62
13A0725N	13A	G025YR24HR	14.26	18.35	0.00	-0.0008	451	12.46	24.73	12.46	24.71
13A0725N	13A	G100YR24HR	14.71	20.31	0.00	-0.0005	451	12.08	26.91	12.05	26.47
13A0735P	13A	G002YR24HR	12.85	19.49	24.95	0.0000	39537	12.58	20.31	12.85	18.92
13A0735P	13A	G010YR24HR	13.35	20.30	24.95	0.0001	43317	12.58	34.95	13.18	22.89
13A0735P	13A	G025YR24HR	13.81	21.30	24.95	0.0001	47958	12.58	45.28	13.20	22.45
13A0735P	13A	G100YR24HR	14.41	23.30	24.95	0.0002	57232	12.58	63.35	13.76	22.37
13A0800N	13A	G002YR24HR	15.37	11.49	9.65	0.0004	53009	15.31	567.03	15.38	566.88
13A0800N	13A	G010YR24HR	15.59	13.53	9.65	0.0004	57492	15.53	974.49	17.07	982.49
13A0800N	13A	G025YR24HR	15.68	14.83	9.65	0.0004	59239	15.62	1233.43	15.70	1233.30
13A0800N	13A	G100YR24HR	16.08	16.47	9.65	0.0006	66505	16.09	1604.52	16.17	1604.75
13A0820P	13A	G002YR24HR	13.88	22.12	0.00	0.0000	60592	13.75	18.78	13.88	18.71
13A0820P	13A	G010YR24HR	13.84	22.20	0.00	0.0000	61651	13.75	31.80	13.84	31.71
13A0820P	13A	G025YR24HR	13.82	22.24	0.00	0.0000	62310	13.75	40.99	13.82	40.89
13A0820P	13A	G100YR24HR	13.80	22.31	0.00	0.0000	63359	13.75	57.11	13.80	56.99
13A0900N	13A	G002YR24HR	15.40	14.37	11.65	0.0003	78751	15.31	546.26	15.40	545.96
13A0900N	13A	G010YR24HR	15.65	15.94	11.65	0.0003	84797	15.59	941.94	15.67	941.80
13A0900N	13A	G025YR24HR	15.72	16.84	11.65	0.0003	87638	15.67	1183.38	15.75	1183.32
13A0900N	13A	G100YR24HR	16.16	18.07	11.65	0.0003	90091	16.19	1546.30	16.30	1546.71
13A0950N	13A	G002YR24HR	15.36	15.01	0.00	0.0004	68168	15.24	546.80	15.31	546.26
13A0950N	13A	G010YR24HR	15.63	16.50	0.00	0.0004	79839	15.53	942.39	15.59	941.94
13A0950N	13A	G025YR24HR	15.70	17.34	0.00	0.0004	81904	15.60	1183.77	15.67	1183.38
13A0950N	13A	G100YR24HR	16.16	18.46	0.00	0.0004	81999	16.11	1546.36	16.19	1546.30
13A1000N	13A	G002YR24HR	15.32	15.09	12.55	0.0003	43849	14.85	382.33	14.90	380.67
13A1000N	13A	G010YR24HR	15.60	16.56	12.55	0.0003	70228	14.86	676.63	14.93	672.86
13A1000N	13A	G025YR24HR	15.68	17.39	12.55	0.0003	85118	14.87	861.11	14.99	856.12

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A1000N	13A	G100YR24HR	16.15	18.50	12.55	0.0003	86832	14.85	1114.86	14.98	1109.80
13A1100N	13A	G002YR24HR	15.04	15.92	18.35	0.0003	23008	14.83	379.33	14.86	378.88
13A1100N	13A	G010YR24HR	15.30	17.34	18.35	0.0002	31327	14.86	671.03	14.89	670.09
13A1100N	13A	G025YR24HR	15.43	18.06	18.35	0.0003	36543	14.89	853.62	14.92	852.38
13A1100N	13A	G100YR24HR	15.96	19.03	18.35	0.0002	41685	14.92	1103.82	14.97	1102.23
13A1300N	13A	G002YR24HR	14.94	17.01	14.25	0.0004	18998	14.81	371.99	14.86	371.53
13A1300N	13A	G010YR24HR	15.03	20.09	14.25	0.0005	40068	14.88	657.79	14.93	657.34
13A1300N	13A	G025YR24HR	15.10	20.77	14.25	0.0005	59944	14.93	836.45	14.98	835.91
13A1300N	13A	G100YR24HR	15.44	21.51	14.25	0.0006	60684	15.10	1080.02	15.14	1079.58
13A1400N	13A	G002YR24HR	14.88	18.45	22.05	0.0003	16041	14.79	370.08	14.83	369.88
13A1400N	13A	G010YR24HR	14.98	20.80	22.05	0.0004	27078	14.87	654.73	14.91	654.51
13A1400N	13A	G025YR24HR	15.03	21.50	22.05	0.0005	35034	14.94	832.60	14.97	832.42
13A1400N	13A	G100YR24HR	15.32	22.24	22.05	0.0007	37257	15.14	1075.31	15.17	1075.15
13A1600N	13A	G002YR24HR	14.87	18.90	20.35	0.0004	14890	14.70	370.23	14.79	369.38
13A1600N	13A	G010YR24HR	14.91	23.76	20.35	0.0009	32172	14.75	654.48	14.88	653.56
13A1600N	13A	G025YR24HR	14.96	26.29	20.35	0.0011	51697	14.72	833.17	14.94	831.10
13A1600N	13A	G100YR24HR	15.17	30.23	20.35	0.0013	53179	14.86	1075.13	15.15	1073.29
13A1700N	13A	G002YR24HR	14.78	21.45	19.35	0.0003	40403	14.61	369.66	14.71	368.50
13A1700N	13A	G010YR24HR	14.88	24.58	19.35	0.0005	70601	14.57	654.95	14.76	651.71
13A1700N	13A	G025YR24HR	14.95	26.59	19.35	0.0007	90513	14.41	838.53	14.74	829.59
13A1700N	13A	G100YR24HR	15.17	30.30	19.35	0.0008	101163	14.24	1086.40	14.89	1070.46
13A1800N	13A	G002YR24HR	14.69	22.76	21.45	0.0007	34635	14.56	364.79	14.63	364.09
13A1800N	13A	G010YR24HR	14.82	25.29	21.45	0.0007	60573	14.43	648.98	14.61	645.63
13A1800N	13A	G025YR24HR	14.90	27.04	21.45	0.0005	75775	14.29	835.74	14.46	826.11
13A1800N	13A	G100YR24HR	15.16	30.47	21.45	0.0006	84114	14.07	1090.76	14.36	1068.38
13A1900N	13A	G002YR24HR	14.60	25.32	0.00	-0.0012	20187	14.54	362.98	14.56	362.85
13A1900N	13A	G010YR24HR	14.69	26.64	0.00	-0.0013	34797	14.39	646.58	14.44	645.70
13A1900N	13A	G025YR24HR	14.81	27.64	0.00	-0.0013	37074	14.10	834.65	14.30	831.40
13A1900N	13A	G100YR24HR	15.14	30.61	0.00	-0.0013	38036	14.03	1094.92	14.07	1084.15
13A2100N	13A	G002YR24HR	14.58	26.07	25.29	-0.0006	36391	14.57	361.96	14.54	360.24
13A2100N	13A	G010YR24HR	14.59	27.55	25.29	0.0008	83050	14.34	642.71	14.42	641.75
13A2100N	13A	G025YR24HR	14.66	28.08	25.29	0.0008	94081	14.11	831.74	14.28	827.96
13A2100N	13A	G100YR24HR	15.14	30.63	25.29	0.0008	147223	13.83	1125.79	14.07	1084.17
13A2200N	13A	G002YR24HR	14.58	27.79	26.35	0.0003	55651	14.40	360.93	14.58	361.32
13A2200N	13A	G010YR24HR	13.80	29.46	26.35	0.0005	74212	13.64	643.85	14.35	641.58
13A2200N	13A	G025YR24HR	14.20	29.91	26.35	0.0004	74426	14.10	829.54	14.11	830.16
13A2200N	13A	G100YR24HR	14.95	31.38	26.35	0.0006	77753	13.79	1137.58	13.83	1123.40
13A2220P	13A	G002YR24HR	14.12	30.70	32.55	0.0000	109354	12.08	14.37	14.12	1.87
13A2220P	13A	G010YR24HR	13.16	31.16	32.55	0.0001	113060	12.08	35.43	13.16	6.29
13A2220P	13A	G025YR24HR	13.02	31.52	32.55	0.0001	115908	12.08	52.00	13.02	10.72
13A2220P	13A	G100YR24HR	13.07	32.22	32.55	0.0002	121481	12.08	82.71	12.68	15.69
13A2300N	13A	G002YR24HR	14.43	29.50	28.45	0.0002	34428	14.36	354.24	14.42	354.01
13A2300N	13A	G010YR24HR	14.35	31.11	28.45	0.0037	37697	13.62	1113.77	14.36	627.00
13A2300N	13A	G025YR24HR	14.21	31.81	28.45	0.0037	37960	12.80	1115.77	14.21	808.13
13A2300N	13A	G100YR24HR	14.24	32.96	28.45	0.0037	48507	12.31	1110.94	13.83	1103.70
13A2350N	13A	G002YR24HR	14.42	29.73	0.00	0.0002	36089	14.29	354.61	14.36	353.98

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A2350N	13A	G010YR24HR	13.62	31.39	0.00	-0.0036	36887	13.63	650.15	13.62	1113.17
13A2350N	13A	G025YR24HR	14.20	32.08	0.00	-0.0035	38666	14.12	808.02	12.80	1113.75
13A2350N	13A	G100YR24HR	14.17	33.18	0.00	-0.0033	47959	13.82	1108.56	13.83	1105.98
13A2400N	13A	G002YR24HR	14.35	30.62	30.65	0.0003	42886	14.21	354.04	14.29	353.36
13A2400N	13A	G010YR24HR	13.62	31.85	30.65	-0.0008	64573	12.82	627.84	13.63	647.42
13A2400N	13A	G025YR24HR	14.19	32.59	30.65	0.0008	70222	14.05	806.12	14.13	805.24
13A2400N	13A	G100YR24HR	14.08	33.64	30.65	0.0009	80193	13.77	1107.92	13.83	1104.34
13A2600N	13A	G002YR24HR	14.32	31.19	30.25	0.0003	92461	13.90	361.16	14.22	353.19
13A2600N	13A	G010YR24HR	14.28	32.68	30.25	0.0005	120409	14.06	625.90	14.21	623.81
13A2600N	13A	G025YR24HR	14.14	33.38	30.25	0.0005	138445	13.90	806.46	14.06	804.18
13A2600N	13A	G100YR24HR	13.95	34.09	30.25	0.0005	147734	13.70	1108.62	13.78	1104.96
13A2750N	13A	G002YR24HR	14.18	32.24	26.95	0.0004	534544	12.79	403.96	13.94	350.82
13A2750N	13A	G010YR24HR	14.24	33.34	26.95	0.0004	704786	12.63	690.13	14.17	609.90
13A2750N	13A	G025YR24HR	14.11	33.97	26.95	0.0004	815375	12.49	871.81	14.08	783.42
13A2750N	13A	G100YR24HR	13.89	34.72	26.95	0.0004	945466	12.47	1206.19	13.83	1069.68
13A2800N	13A	G002YR24HR	13.66	34.25	32.25	-0.0006	120024	13.28	343.32	13.47	335.86
13A2800N	13A	G010YR24HR	13.74	35.29	32.25	-0.0006	384737	13.18	592.40	13.59	568.58
13A2800N	13A	G025YR24HR	13.75	35.75	32.25	-0.0006	490414	13.13	753.03	13.58	720.13
13A2800N	13A	G100YR24HR	13.74	36.42	32.25	-0.0006	641233	13.02	986.32	13.64	938.33
13A2820P	13A	G002YR24HR	20.33	33.29	36.65	0.0000	151971	12.17	14.55	26.40	2.00
13A2820P	13A	G010YR24HR	20.24	34.12	36.65	0.0001	158843	12.17	26.91	26.22	2.02
13A2820P	13A	G025YR24HR	19.56	34.69	36.65	0.0001	163594	12.17	35.77	21.49	2.76
13A2820P	13A	G100YR24HR	16.60	35.96	36.65	0.0001	174185	12.17	51.35	18.11	6.83
13A2900N	13A	G002YR24HR	13.31	36.84	36.95	0.0003	483764	12.58	414.53	13.28	353.96
13A2900N	13A	G010YR24HR	13.26	37.65	36.95	0.0002	643882	12.38	700.06	13.18	604.04
13A2900N	13A	G025YR24HR	13.20	38.10	36.95	0.0002	730569	12.35	896.23	13.15	766.55
13A2900N	13A	G100YR24HR	13.19	38.76	36.95	0.0002	857034	12.33	1231.19	13.07	1011.58
13A3000N	13A	G002YR24HR	12.92	37.65	36.15	0.0054	181102	12.51	340.00	12.80	317.47
13A3000N	13A	G010YR24HR	13.07	38.49	36.15	0.0054	297332	12.56	514.32	12.93	474.53
13A3000N	13A	G025YR24HR	13.12	38.98	36.15	0.0054	363580	12.37	637.35	13.01	567.50
13A3000N	13A	G100YR24HR	13.20	39.67	36.15	0.0054	458345	12.27	791.32	13.22	699.79
13A3200N	13A	G002YR24HR	12.91	37.68	36.51	-0.0073	7281	12.49	341.85	12.51	340.00
13A3200N	13A	G010YR24HR	13.06	38.53	36.51	-0.0073	8118	12.55	516.22	12.56	514.32
13A3200N	13A	G025YR24HR	13.10	39.03	36.51	-0.0073	8763	12.36	641.43	12.37	637.35
13A3200N	13A	G100YR24HR	13.19	39.73	36.51	-0.0073	14334	12.27	797.19	12.27	791.32
13A3300N	13A	G002YR24HR	12.81	37.93	37.95	0.0003	13987	12.53	320.36	12.56	318.18
13A3300N	13A	G010YR24HR	12.94	38.82	37.95	0.0003	19395	12.61	480.79	12.63	478.07
13A3300N	13A	G025YR24HR	12.97	39.35	37.95	0.0002	23469	12.43	580.81	12.49	575.26
13A3300N	13A	G100YR24HR	13.00	40.22	37.95	0.0004	35040	12.34	705.05	12.65	695.74
13A3320P	13A	G002YR24HR	12.55	39.87	41.45	0.0004	10378	12.08	18.04	12.33	10.65
13A3320P	13A	G010YR24HR	12.62	42.01	41.45	0.0005	21405	12.08	35.37	12.62	14.80
13A3320P	13A	G025YR24HR	12.30	42.19	41.45	0.0006	22337	12.08	48.02	12.29	36.59
13A3320P	13A	G100YR24HR	12.13	42.36	41.45	0.0006	23210	12.08	70.46	12.13	66.62
13A3400N	13A	G002YR24HR	12.64	38.98	36.25	0.0005	15648	12.51	308.46	12.55	307.19
13A3400N	13A	G010YR24HR	12.74	40.10	36.25	0.0005	21268	12.58	461.60	12.64	460.14
13A3400N	13A	G025YR24HR	12.79	40.62	36.25	0.0005	22529	12.63	549.87	12.66	548.60
13A3400N	13A	G100YR24HR	12.88	41.27	36.25	0.0005	26705	12.85	666.42	12.87	666.30

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3420P	13A	G002YR24HR	25.50	47.61	48.75	0.0000	84902	12.08	8.94	0.00	0.00
13A3420P	13A	G010YR24HR	32.10	48.76	48.75	0.0001	129049	12.08	20.08	32.10	0.22
13A3420P	13A	G025YR24HR	19.66	48.85	48.75	0.0001	132922	12.08	28.61	19.66	5.04
13A3420P	13A	G100YR24HR	15.73	48.96	48.75	0.0001	137844	12.08	44.14	15.73	15.01
13A3440P	13A	G002YR24HR	38.50	50.05	50.65	0.0000	58826	14.58	1.66	0.00	0.00
13A3440P	13A	G010YR24HR	19.96	50.61	50.65	0.0000	71037	14.33	5.43	19.96	2.40
13A3440P	13A	G025YR24HR	16.88	50.68	50.65	0.0000	72458	14.25	8.82	16.88	5.61
13A3440P	13A	G100YR24HR	15.14	50.77	50.65	0.0001	74552	14.17	15.64	15.14	13.58
13A3600N	13A	G002YR24HR	12.64	39.08	40.15	-0.0006	16071	12.64	267.61	12.68	267.78
13A3600N	13A	G010YR24HR	12.76	40.32	40.15	-0.0006	18378	12.84	399.43	12.86	400.17
13A3600N	13A	G025YR24HR	12.83	40.85	40.15	-0.0006	19688	12.98	475.91	13.01	476.85
13A3600N	13A	G100YR24HR	12.98	41.50	40.15	-0.0006	22920	13.26	586.86	13.27	587.79
13A3700N	13A	G002YR24HR	12.67	39.90	38.25	0.0007	17856	12.66	260.42	12.69	260.51
13A3700N	13A	G010YR24HR	12.81	40.95	38.25	0.0007	19638	12.86	390.88	12.90	391.45
13A3700N	13A	G025YR24HR	12.92	41.47	38.25	0.0007	20397	13.28	470.77	13.07	468.33
13A3700N	13A	G100YR24HR	13.13	42.11	38.25	0.0007	22856	13.29	578.80	13.31	579.45
13A3900N	13A	G002YR24HR	12.67	39.99	39.35	0.0008	49780	12.16	284.49	12.66	260.42
13A3900N	13A	G010YR24HR	12.82	41.04	39.35	0.0009	50583	12.77	390.90	12.86	390.88
13A3900N	13A	G025YR24HR	12.93	41.56	39.35	0.0008	50663	12.96	466.55	13.28	470.77
13A3900N	13A	G100YR24HR	13.17	42.52	39.35	0.0006	50485	13.21	577.81	13.29	578.80
13A3910P	13A	G002YR24HR	12.67	40.00	39.15	0.0002	31839	12.08	23.79	12.53	9.63
13A3910P	13A	G010YR24HR	12.82	41.05	39.15	0.0004	39432	12.08	41.66	12.49	13.62
13A3910P	13A	G025YR24HR	12.93	41.57	39.15	0.0003	43918	12.08	54.27	12.34	26.05
13A3910P	13A	G100YR24HR	13.17	42.52	39.15	0.0003	51617	12.08	76.34	12.12	46.35
13A3920P	13A	G002YR24HR	12.16	41.17	41.45	0.0001	178539	12.08	112.44	12.16	107.01
13A3920P	13A	G010YR24HR	12.13	41.25	41.45	0.0000	186768	12.08	181.15	12.13	174.11
13A3920P	13A	G025YR24HR	12.93	41.58	41.45	0.0001	218581	12.08	221.87	12.14	215.34
13A3920P	13A	G100YR24HR	13.17	42.52	41.45	0.0002	280297	12.08	285.89	12.08	271.34
13A3930N	13A	G002YR24HR	12.11	42.29	43.95	0.0003	557	12.10	58.43	12.10	58.37
13A3930N	13A	G010YR24HR	12.09	43.82	43.95	-0.0009	481	12.08	88.67	12.09	88.37
13A3930N	13A	G025YR24HR	12.15	44.84	43.95	-0.0010	8268	12.08	111.34	12.15	103.58
13A3930N	13A	G100YR24HR	12.36	46.53	43.95	0.0008	36346	12.08	155.94	12.20	120.76
13A3940N	13A	G002YR24HR	12.11	42.46	45.55	0.0003	903	12.36	24.97	12.37	25.43
13A3940N	13A	G010YR24HR	12.09	44.07	45.55	0.0017	487	13.36	47.97	13.23	48.02
13A3940N	13A	G025YR24HR	12.46	45.23	45.55	0.0016	487	14.50	52.84	14.49	52.92
13A3940N	13A	G100YR24HR	12.63	47.31	45.55	0.0021	17969	15.08	56.69	15.11	56.74
13A3950N	13A	G002YR24HR	12.11	42.50	0.00	0.0003	1046	12.36	18.79	12.38	19.27
13A3950N	13A	G010YR24HR	12.63	44.29	0.00	0.0011	586	13.44	46.16	13.43	46.22
13A3950N	13A	G025YR24HR	12.59	45.66	0.00	0.0009	549	14.53	51.33	14.53	51.41
13A3950N	13A	G100YR24HR	12.72	47.77	0.00	0.0011	492	15.35	55.06	15.34	55.10
13A3952P	13A	G002YR24HR	18.66	45.43	46.95	0.0000	120792	13.25	14.34	18.57	3.67
13A3952P	13A	G010YR24HR	20.41	47.13	46.95	0.0001	354378	12.92	45.64	14.57	5.09
13A3952P	13A	G025YR24HR	22.28	47.85	46.95	0.0001	488728	12.75	70.36	17.08	5.78
13A3952P	13A	G100YR24HR	24.43	48.97	46.95	0.0002	653912	12.67	116.24	24.21	6.49
13A3954P	13A	G002YR24HR	15.40	50.51	50.25	0.0001	95396	12.17	26.55	15.40	3.17
13A3954P	13A	G010YR24HR	12.64	50.88	50.25	0.0002	106794	12.17	70.16	12.64	40.63

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3954P	13A	G025YR24HR	12.45	51.12	50.25	0.0002	117750	12.17	105.21	12.45	78.62
13A3954P	13A	G100YR24HR	12.34	51.47	50.25	0.0002	135523	12.17	171.07	12.34	146.32
13A3960P	13A	G002YR24HR	25.50	79.17	56.05	0.0011	2178	12.08	9.89	0.00	0.00
13A3960P	13A	G010YR24HR	25.50	106.59	56.05	0.0024	2178	12.08	21.26	0.00	0.00
13A3960P	13A	G025YR24HR	25.50	127.73	56.05	0.0034	2178	12.08	29.82	0.00	0.00
13A3960P	13A	G100YR24HR	25.50	166.82	56.05	0.0052	2178	12.08	45.28	0.00	0.00
13A3962P	13A	G002YR24HR	26.00	231.86	62.85	0.0071	2178	12.08	61.83	0.00	0.00
13A3962P	13A	G010YR24HR	26.00	380.24	62.85	0.0130	2178	12.08	112.89	0.00	0.00
13A3962P	13A	G025YR24HR	26.00	489.16	62.85	0.0171	2178	12.08	149.37	0.00	0.00
13A3962P	13A	G100YR24HR	26.00	684.93	62.85	0.0245	2178	12.08	213.48	0.00	0.00
13A3980N	13A	G002YR24HR	12.11	42.49	46.25	0.0003	906	13.10	9.16	13.00	9.26
13A3980N	13A	G010YR24HR	12.96	44.62	46.25	0.0007	575	13.75	38.93	13.75	39.04
13A3980N	13A	G025YR24HR	12.95	45.96	46.25	0.0006	464	14.84	44.26	14.83	44.31
13A3980N	13A	G100YR24HR	12.91	47.97	46.25	0.0011	464	15.79	48.17	15.79	48.21
13A3990P	13A	G002YR24HR	13.10	42.83	45.75	0.0001	101252	12.08	44.79	13.10	9.16
13A3990P	13A	G010YR24HR	13.08	44.80	45.75	0.0003	124168	12.08	96.08	13.75	38.93
13A3990P	13A	G025YR24HR	13.27	46.43	45.75	0.0004	172831	12.17	148.80	14.84	44.26
13A3990P	13A	G100YR24HR	13.65	48.43	45.75	0.0006	318063	12.08	263.76	15.79	48.17
13A4000N	13A	G002YR24HR	12.76	40.38	38.75	0.0004	164140	12.56	198.39	12.92	196.67
13A4000N	13A	G010YR24HR	12.87	41.27	38.75	0.0004	174367	12.72	291.67	13.07	293.20
13A4000N	13A	G025YR24HR	12.95	41.75	38.75	0.0004	182024	12.69	366.23	13.04	361.60
13A4000N	13A	G100YR24HR	13.18	42.65	38.75	0.0004	182109	27.81	532.59	27.64	533.65
13A4100N	13A	G002YR24HR	12.68	40.72	43.05	0.0002	39600	12.44	194.32	12.50	191.39
13A4100N	13A	G010YR24HR	12.85	41.52	43.05	0.0002	41245	34.63	270.54	34.70	270.52
13A4100N	13A	G025YR24HR	12.91	42.02	43.05	0.0002	42313	12.69	345.07	12.79	341.99
13A4100N	13A	G100YR24HR	13.15	42.90	43.05	0.0003	43300	27.75	514.21	27.74	514.41
13A4120P	13A	G002YR24HR	12.92	40.44	42.15	0.0001	79352	12.08	30.29	13.42	8.51
13A4120P	13A	G010YR24HR	12.87	41.51	42.15	0.0001	92621	12.08	52.69	13.27	16.25
13A4120P	13A	G025YR24HR	12.92	42.02	42.15	0.0002	99287	12.08	68.47	13.83	16.07
13A4120P	13A	G100YR24HR	13.15	42.90	42.15	0.0003	111392	12.08	96.08	13.60	16.82
13A4200N	13A	G002YR24HR	12.46	42.23	42.95	0.0002	9525	12.41	194.63	12.44	194.32
13A4200N	13A	G010YR24HR	12.50	43.06	42.95	0.0002	13112	12.40	290.02	12.44	289.19
13A4200N	13A	G025YR24HR	12.73	43.56	42.95	0.0003	15790	32.12	358.53	32.15	358.53
13A4200N	13A	G100YR24HR	26.82	44.58	42.95	0.0003	46836	27.79	531.86	27.84	531.91
13A4300N	13A	G002YR24HR	12.44	43.79	40.75	0.0003	18196	12.36	190.69	12.44	189.74
13A4300N	13A	G010YR24HR	12.45	44.77	40.75	0.0003	21190	12.38	282.84	12.45	282.12
13A4300N	13A	G025YR24HR	32.12	45.40	40.75	0.0003	141154	12.33	359.05	32.12	358.53
13A4300N	13A	G100YR24HR	27.81	46.51	40.75	0.0003	171600	27.50	531.93	27.79	531.86
13A4400N	13A	G002YR24HR	12.55	44.39	43.15	0.0003	22954	12.65	155.98	12.71	157.28
13A4400N	13A	G010YR24HR	34.72	45.52	43.15	0.0003	25728	34.58	275.04	34.67	275.04
13A4400N	13A	G025YR24HR	31.93	46.26	43.15	0.0003	41640	31.78	358.56	31.85	358.55
13A4400N	13A	G100YR24HR	27.67	47.31	43.15	0.0003	44064	27.43	531.95	27.50	531.93
13A4600N	13A	G002YR24HR	12.56	44.76	45.35	-0.0003	10331	12.56	151.36	12.61	151.49
13A4600N	13A	G010YR24HR	34.81	45.99	45.35	-0.0003	43140	34.97	251.44	35.12	251.46
13A4600N	13A	G025YR24HR	32.53	46.77	45.35	-0.0003	61476	33.75	325.71	33.89	325.81
13A4600N	13A	G100YR24HR	28.62	47.92	45.35	-0.0003	88573	31.08	472.50	31.18	472.78

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A4700N	13A	G002YR24HR	12.56	45.58	43.95	0.0004	70775	12.14	168.15	12.56	151.36
13A4700N	13A	G010YR24HR	34.87	46.61	43.95	0.0004	114315	34.74	251.44	34.97	251.44
13A4700N	13A	G025YR24HR	32.89	47.20	43.95	0.0004	130263	33.52	325.60	33.75	325.71
13A4700N	13A	G100YR24HR	29.13	48.28	43.95	0.0010	159014	61.99	843.64	31.08	472.50
13A4800N	13A	G002YR24HR	12.57	45.65	47.65	0.0003	5110	38.59	139.25	38.60	139.25
13A4800N	13A	G010YR24HR	34.86	46.69	47.65	0.0003	6569	34.73	251.44	34.74	251.44
13A4800N	13A	G025YR24HR	32.93	47.27	47.65	0.0003	7945	33.51	325.59	33.52	325.60
13A4800N	13A	G100YR24HR	29.33	48.54	47.65	-0.0152	16825	30.85	472.09	61.99	843.64
13A5000N	13A	G002YR24HR	12.58	45.93	47.65	0.0003	15659	38.55	139.25	38.59	139.25
13A5000N	13A	G010YR24HR	34.82	47.15	47.65	0.0003	20079	34.68	251.44	34.73	251.44
13A5000N	13A	G025YR24HR	33.11	47.81	47.65	0.0003	23582	33.46	325.58	33.51	325.59
13A5000N	13A	G100YR24HR	29.68	49.35	47.65	-0.0006	27022	30.81	472.04	30.85	472.09
13A5050N	13A	G002YR24HR	38.55	46.17	0.00	0.0003	16522	38.67	139.40	38.55	139.25
13A5050N	13A	G010YR24HR	34.78	47.47	0.00	0.0003	24107	34.62	251.45	34.68	251.44
13A5050N	13A	G025YR24HR	33.21	48.13	0.00	0.0003	35473	33.38	325.57	33.46	325.58
13A5050N	13A	G100YR24HR	29.78	49.50	0.00	0.0003	47372	33.36	495.42	30.81	472.04
13A5100N	13A	G002YR24HR	38.49	46.48	48.85	0.0003	10227	38.32	139.25	38.36	139.25
13A5100N	13A	G010YR24HR	34.68	47.77	48.85	0.0003	21724	34.10	241.44	34.20	241.42
13A5100N	13A	G025YR24HR	33.23	48.34	48.85	0.0003	27803	33.21	268.87	33.29	268.87
13A5100N	13A	G100YR24HR	29.85	49.64	48.85	0.0003	37425	30.51	395.65	30.58	395.69
13A5200N	13A	G002YR24HR	38.38	47.18	49.75	0.0005	15424	38.54	140.92	38.32	139.25
13A5200N	13A	G010YR24HR	34.46	48.51	49.75	0.0005	24127	36.90	241.93	34.10	241.44
13A5200N	13A	G025YR24HR	33.22	49.03	49.75	0.0005	28688	33.12	268.87	33.21	268.87
13A5200N	13A	G100YR24HR	30.07	50.26	49.75	0.0005	36687	30.44	395.63	30.51	395.65
13A5300N	13A	G002YR24HR	36.70	47.53	51.35	0.0009	6956	34.06	140.57	34.09	140.56
13A5300N	13A	G010YR24HR	33.06	48.96	51.35	0.0009	7850	31.45	253.87	31.47	253.85
13A5300N	13A	G025YR24HR	31.39	49.57	51.35	0.0009	8286	30.37	328.67	30.37	328.65
13A5300N	13A	G100YR24HR	29.09	50.62	51.35	0.0009	10963	26.41	478.37	26.42	478.31
13A5320P	13A	G002YR24HR	12.96	49.48	51.55	0.0003	7261	12.08	6.48	12.96	2.05
13A5320P	13A	G010YR24HR	12.44	51.05	51.55	0.0005	8733	12.08	18.16	12.44	11.86
13A5320P	13A	G025YR24HR	12.30	51.53	51.55	0.0006	9191	12.08	27.65	12.29	22.15
13A5320P	13A	G100YR24HR	12.10	51.85	51.55	0.0005	9490	12.08	45.63	12.10	44.84
13A5400N	13A	G002YR24HR	34.98	48.36	51.65	0.0013	9440	34.02	140.57	34.06	140.57
13A5400N	13A	G010YR24HR	32.09	49.99	51.65	0.0013	12576	31.40	253.88	31.45	253.86
13A5400N	13A	G025YR24HR	30.67	50.83	51.65	0.0013	14951	30.29	328.80	30.34	328.68
13A5400N	13A	G100YR24HR	26.59	52.26	51.65	0.0013	20483	26.36	478.46	26.41	478.42
13A5500N	13A	G002YR24HR	34.65	48.78	55.45	0.0014	9795	33.98	140.58	34.02	140.57
13A5500N	13A	G010YR24HR	31.92	50.43	55.45	0.0014	19939	31.33	253.90	31.40	253.88
13A5500N	13A	G025YR24HR	30.58	51.28	55.45	0.0014	29303	30.68	459.81	30.29	328.80
13A5500N	13A	G100YR24HR	26.54	52.72	55.45	0.0018	36284	45.80	714.04	26.36	478.46
13A5600N	13A	G002YR24HR	34.24	49.38	53.15	0.0013	4848	33.96	140.58	33.98	140.58
13A5600N	13A	G010YR24HR	31.76	50.79	53.15	0.0016	8688	31.29	253.12	31.31	253.11
13A5600N	13A	G025YR24HR	30.68	51.75	53.15	0.0017	11183	30.13	311.38	30.68	442.33
13A5600N	13A	G100YR24HR	26.54	53.00	53.15	-0.0049	13631	26.56	414.96	45.80	677.51
13A5800N	13A	G002YR24HR	34.11	50.07	52.35	0.0044	3634	33.95	140.58	33.96	140.58
13A5800N	13A	G010YR24HR	31.62	51.50	52.35	0.0044	4815	31.27	253.12	31.29	253.12
13A5800N	13A	G025YR24HR	30.37	52.53	52.35	0.0044	6717	30.09	311.24	30.13	311.38

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A5800N	13A	G100YR24HR	26.55	53.44	52.35	0.0044	9365	26.54	414.96	26.56	414.96
13A6000P	13A	G002YR24HR	33.99	51.52	51.95	0.0000	639358	12.08	144.74	33.95	140.58
13A6000P	13A	G010YR24HR	31.43	52.53	51.95	0.0001	848886	29.40	254.84	31.28	253.91
13A6000P	13A	G025YR24HR	30.31	53.07	51.95	0.0001	1023952	28.54	330.68	30.16	328.72
13A6000P	13A	G100YR24HR	26.55	53.80	51.95	0.0001	1285860	25.77	475.09	26.54	471.58
13B0200N	13B	G002YR24HR	12.47	15.58	14.95	0.0002	454	12.47	58.28	12.47	58.28
13B0200N	13B	G010YR24HR	12.43	15.94	14.95	-0.0002	454	12.43	113.37	12.43	113.37
13B0200N	13B	G025YR24HR	12.45	16.15	14.95	0.0002	454	12.45	154.19	12.45	154.19
13B0200N	13B	G100YR24HR	12.53	16.42	14.95	0.0002	454	12.53	214.31	12.53	214.31
13B0400N	13B	G002YR24HR	12.47	15.94	17.95	0.0002	6450	12.42	55.88	12.46	55.19
13B0400N	13B	G010YR24HR	12.42	17.24	17.95	0.0004	7977	12.34	106.81	12.41	104.95
13B0400N	13B	G025YR24HR	12.43	18.49	17.95	0.0006	10008	12.31	144.79	12.42	140.98
13B0400N	13B	G100YR24HR	12.50	20.71	17.95	0.0008	15581	12.32	199.58	12.50	190.93
13B0500N	13B	G002YR24HR	12.42	18.63	18.05	0.0004	19196	12.34	58.76	12.42	55.88
13B0500N	13B	G010YR24HR	12.33	19.27	18.05	0.0004	22602	12.25	104.86	12.35	102.96
13B0500N	13B	G025YR24HR	12.38	19.69	18.05	0.0004	26322	12.26	141.54	12.32	135.55
13B0500N	13B	G100YR24HR	12.49	21.04	18.05	0.0003	36614	12.24	208.00	12.36	178.53
13B0600N	13B	G002YR24HR	12.26	22.13	22.05	0.0005	8348	12.25	53.11	12.34	57.82
13B0600N	13B	G010YR24HR	12.09	22.52	22.05	0.0006	11254	12.25	97.88	12.26	98.63
13B0600N	13B	G025YR24HR	12.25	22.70	22.05	0.0006	13218	12.25	129.97	12.26	130.01
13B0600N	13B	G100YR24HR	12.27	23.03	22.05	0.0004	15039	12.25	186.45	12.26	185.29
13C0100N	13C	G002YR24HR	15.37	15.02	13.25	0.0007	83369	16.00	176.15	16.12	179.94
13C0100N	13C	G010YR24HR	15.63	16.51	13.25	0.0007	113318	18.04	297.00	18.32	306.02
13C0100N	13C	G025YR24HR	15.71	17.35	13.25	0.0007	127935	17.80	367.47	17.86	376.60
13C0100N	13C	G100YR24HR	16.17	18.47	13.25	0.0007	147495	22.26	663.60	22.28	666.96
13C0200N	13C	G002YR24HR	15.41	15.11	14.95	0.0012	46159	15.92	173.19	16.01	174.79
13C0200N	13C	G010YR24HR	15.65	16.54	14.95	0.0012	57750	17.97	291.55	18.06	295.37
13C0200N	13C	G025YR24HR	15.72	17.37	14.95	0.0012	57750	17.79	361.08	17.81	365.25
13C0200N	13C	G100YR24HR	16.17	18.49	14.95	0.0012	57750	22.25	660.22	22.26	661.57
13C0300N	13C	G002YR24HR	15.54	15.36	15.75	0.0014	25294	15.88	172.66	15.92	173.19
13C0300N	13C	G010YR24HR	15.68	16.65	15.75	0.0014	28500	17.93	290.11	17.97	291.55
13C0300N	13C	G025YR24HR	15.76	17.44	15.75	0.0014	28500	17.77	359.24	17.79	361.08
13C0300N	13C	G100YR24HR	16.22	18.55	15.75	0.0014	28500	22.24	659.62	22.25	660.22
13C0500N	13C	G002YR24HR	15.65	15.73	14.35	0.0013	45488	15.83	172.37	15.88	172.66
13C0500N	13C	G010YR24HR	15.85	16.99	14.35	0.0013	78738	17.81	287.47	17.93	290.11
13C0500N	13C	G025YR24HR	15.86	17.78	14.35	0.0013	85717	17.70	354.83	17.77	359.24
13C0500N	13C	G100YR24HR	18.08	19.03	14.35	0.0013	94783	22.18	658.30	22.24	659.62
13C0600N	13C	G002YR24HR	15.67	15.83	15.85	0.0014	52308	15.50	171.82	15.83	171.83
13C0600N	13C	G010YR24HR	15.87	17.10	15.85	0.0014	110552	17.68	284.03	17.82	286.83
13C0600N	13C	G025YR24HR	15.88	17.88	15.85	0.0014	144722	17.64	347.95	17.70	353.98
13C0600N	13C	G100YR24HR	20.65	19.19	15.85	0.0014	214831	22.17	655.32	22.18	657.50
13C0800N	13C	G002YR24HR	15.22	16.96	17.55	0.0004	62453	14.96	111.23	15.04	110.65
13C0800N	13C	G010YR24HR	15.39	17.78	17.55	0.0001	91052	15.10	214.85	15.20	212.71
13C0800N	13C	G025YR24HR	15.40	18.34	17.55	-0.0001	117578	14.53	307.17	14.64	300.12
13C0800N	13C	G100YR24HR	17.69	19.36	17.55	0.0002	164725	14.20	473.35	14.33	456.17
13C1000N	13C	G002YR24HR	15.11	17.31	17.75	-0.0006	18272	12.33	112.43	14.96	111.09

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C1000N	13C	G010YR24HR	15.15	19.56	17.75	-0.0006	51080	14.96	216.17	15.10	214.61
13C1000N	13C	G025YR24HR	14.65	19.95	17.75	-0.0006	60601	14.49	307.42	14.54	306.82
13C1000N	13C	G100YR24HR	14.32	20.30	17.75	-0.0006	70119	14.16	473.82	14.20	472.81
13C1100N	13C	G002YR24HR	14.88	19.82	20.85	0.0006	56982	14.64	111.14	14.88	110.25
13C1100N	13C	G010YR24HR	15.03	21.02	20.85	0.0006	132926	14.68	218.56	14.96	214.17
13C1100N	13C	G025YR24HR	14.52	21.48	20.85	0.0006	168184	14.23	308.40	14.50	304.46
13C1100N	13C	G100YR24HR	14.18	22.05	20.85	0.0006	205342	14.01	472.90	14.17	469.36
13C1200N	13C	G002YR24HR	14.58	23.64	25.85	0.0003	109762	14.29	106.82	14.70	106.01
13C1200N	13C	G010YR24HR	14.35	24.19	25.85	-0.0002	157977	14.72	209.06	14.76	210.37
13C1200N	13C	G025YR24HR	14.11	24.47	25.85	-0.0002	172832	14.11	293.95	14.27	296.20
13C1200N	13C	G100YR24HR	13.89	24.91	25.85	-0.0002	193469	13.92	450.71	14.04	454.20
13C1300N	13C	G002YR24HR	14.05	25.13	25.13	0.0002	61560	14.24	104.55	14.30	105.39
13C1300N	13C	G010YR24HR	14.45	25.72	25.13	0.0001	113178	14.30	206.44	14.72	207.05
13C1300N	13C	G025YR24HR	14.14	26.04	25.13	0.0001	129398	14.05	291.21	14.13	290.79
13C1300N	13C	G100YR24HR	13.94	26.52	25.13	0.0001	156441	13.80	447.53	13.93	446.10
13C1350N	13C	G002YR24HR	14.26	26.26	25.95	0.0002	107738	14.00	103.55	14.26	102.63
13C1350N	13C	G010YR24HR	14.31	26.82	25.95	0.0001	199349	14.00	206.44	14.31	203.83
13C1350N	13C	G025YR24HR	14.06	27.17	25.95	0.0001	253117	13.70	293.42	14.05	287.82
13C1350N	13C	G100YR24HR	13.83	27.63	25.95	0.0001	324029	13.58	448.08	13.82	442.87
13C1400N	13C	G002YR24HR	13.85	27.11	28.95	0.0002	35004	13.55	58.67	13.64	58.32
13C1400N	13C	G010YR24HR	13.98	27.55	28.95	0.0001	69962	13.66	114.98	13.82	113.45
13C1400N	13C	G025YR24HR	13.61	27.83	28.95	0.0001	81025	13.27	180.27	13.36	176.59
13C1400N	13C	G100YR24HR	13.35	28.21	28.95	0.0001	92723	13.02	294.75	13.08	288.55
13C1500N	13C	G002YR24HR	13.58	28.08	29.75	0.0002	9681	13.55	57.44	13.60	57.44
13C1500N	13C	G010YR24HR	13.62	28.72	29.75	0.0002	26925	13.62	112.93	13.68	113.06
13C1500N	13C	G025YR24HR	13.21	29.15	29.75	0.0002	32686	13.23	176.53	13.29	177.14
13C1500N	13C	G100YR24HR	12.92	29.60	29.75	0.0003	40327	13.00	286.91	13.04	288.67
13C1700N	13C	G002YR24HR	13.55	28.88	29.85	0.0003	33470	12.95	58.29	13.55	57.44
13C1700N	13C	G010YR24HR	13.62	30.13	29.85	0.0003	80687	13.41	113.99	13.62	112.93
13C1700N	13C	G025YR24HR	13.23	30.35	29.85	0.0003	83806	13.15	176.93	13.23	176.53
13C1700N	13C	G100YR24HR	12.99	30.58	29.85	0.0003	85879	12.95	287.18	13.00	286.91
13C1800N	13C	G002YR24HR	13.48	29.22	0.00	0.0002	39277	12.98	58.77	13.22	56.65
13C1800N	13C	G010YR24HR	13.59	30.24	0.00	0.0002	81100	13.20	116.18	13.44	111.88
13C1800N	13C	G025YR24HR	13.21	30.52	0.00	0.0002	92187	13.06	175.49	13.18	173.56
13C1800N	13C	G100YR24HR	12.98	30.85	0.00	0.0002	104669	12.89	282.18	12.98	280.68
13C1850N	13C	G002YR24HR	13.55	29.41	31.65	0.0001	29110	13.41	34.24	13.71	34.24
13C1850N	13C	G010YR24HR	13.65	30.34	31.65	0.0002	56972	14.22	63.32	14.31	64.77
13C1850N	13C	G025YR24HR	13.31	30.64	31.65	0.0002	66855	13.42	87.19	13.59	88.91
13C1850N	13C	G100YR24HR	13.15	31.00	31.65	0.0002	78671	13.44	130.81	13.52	133.71
13C1900N	13C	G002YR24HR	13.93	29.49	31.75	0.0003	55986	12.72	103.74	14.82	16.05
13C1900N	13C	G010YR24HR	14.05	30.38	31.75	0.0005	77954	14.58	34.47	14.69	36.35
13C1900N	13C	G025YR24HR	13.41	30.67	31.75	0.0004	86115	14.50	50.31	14.68	52.03
13C1900N	13C	G100YR24HR	13.32	31.04	31.75	0.0004	94834	11.71	121.40	14.63	80.03
13C2000N	13C	G002YR24HR	13.48	31.28	34.65	-0.0005	27390	13.15	10.23	12.72	101.77
13C2000N	13C	G010YR24HR	13.62	31.52	34.65	-0.0006	33734	13.22	19.17	31.74	25.87
13C2000N	13C	G025YR24HR	13.58	31.66	34.65	-0.0005	36760	13.36	25.04	44.44	25.49
13C2000N	13C	G100YR24HR	13.47	31.90	34.65	-0.0005	41676	13.35	40.85	11.71	111.55

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C2200P	13C	G002YR24HR	13.16	31.96	33.95	0.0001	34938	12.42	18.24	13.15	10.23
13C2200P	13C	G010YR24HR	13.24	32.79	33.95	0.0002	74591	12.42	36.87	13.22	19.17
13C2200P	13C	G025YR24HR	13.37	33.32	33.95	0.0002	94927	12.42	51.69	13.36	25.04
13C2200P	13C	G100YR24HR	13.35	34.14	33.95	0.0002	123230	12.42	81.31	13.35	40.85
13C2400P	13C	G002YR24HR	23.79	31.94	35.48	0.0000	480728	12.08	84.78	24.12	2.66
13C2400P	13C	G010YR24HR	20.43	32.80	35.48	0.0001	480728	12.08	167.33	26.26	6.35
13C2400P	13C	G025YR24HR	21.20	33.50	35.48	0.0001	480728	12.08	228.82	26.31	7.80
13C2400P	13C	G100YR24HR	22.82	34.78	35.48	0.0002	480728	12.08	339.60	26.67	10.01
13D0150N	13D	G002YR24HR	14.17	32.24	31.95	0.0005	21755	12.35	164.28	12.36	159.36
13D0150N	13D	G010YR24HR	14.24	33.35	31.95	0.0004	55808	12.26	304.17	12.26	295.38
13D0150N	13D	G025YR24HR	14.11	33.97	31.95	0.0004	73485	12.25	403.00	12.26	381.18
13D0150N	13D	G100YR24HR	13.88	34.72	31.95	0.0003	94775	12.24	577.73	12.30	541.74
13D0170P	13D	G002YR24HR	14.30	32.25	31.95	0.0001	66884	12.17	18.99	15.58	4.86
13D0170P	13D	G010YR24HR	14.41	33.36	31.95	0.0003	115055	12.08	33.46	15.81	10.72
13D0170P	13D	G025YR24HR	14.30	33.98	31.95	0.0003	142156	12.08	43.74	16.39	12.74
13D0170P	13D	G100YR24HR	14.10	34.74	31.95	0.0002	175246	12.08	61.73	16.06	12.90
13D0200N	13D	G002YR24HR	12.36	33.44	34.35	0.0009	7054	12.34	166.92	12.35	166.60
13D0200N	13D	G010YR24HR	12.27	34.73	34.35	0.0012	7935	12.25	320.56	12.26	320.04
13D0200N	13D	G025YR24HR	12.26	35.38	34.35	0.0011	8344	12.23	423.38	12.25	422.81
13D0200N	13D	G100YR24HR	12.25	36.24	34.35	0.0009	8620	12.22	603.47	12.23	602.90
13D0310N	13D	G002YR24HR	12.31	37.15	38.35	0.0022	454	12.30	85.84	12.31	85.84
13D0310N	13D	G010YR24HR	12.23	37.45	38.35	0.0023	454	12.22	90.68	12.23	90.68
13D0310N	13D	G025YR24HR	12.20	37.62	38.35	0.0022	454	12.19	93.35	12.20	93.34
13D0310N	13D	G100YR24HR	12.22	38.07	38.35	0.0020	442	12.06	96.34	12.06	96.15
13D0330N	13D	G002YR24HR	12.34	38.82	38.37	0.0023	2185	12.33	165.45	12.34	165.44
13D0330N	13D	G010YR24HR	12.25	39.26	38.37	0.0024	2185	12.25	317.67	12.25	317.66
13D0330N	13D	G025YR24HR	12.24	39.50	38.37	0.0024	2185	12.24	419.50	12.24	419.51
13D0330N	13D	G100YR24HR	12.22	39.88	38.37	0.0020	2185	12.22	597.89	12.22	597.88
13D0400N	13D	G002YR24HR	12.35	38.92	38.37	0.0009	5426	12.37	118.56	12.38	118.67
13D0400N	13D	G010YR24HR	12.25	39.38	38.37	0.0010	5836	12.25	229.41	12.26	229.48
13D0400N	13D	G025YR24HR	12.23	39.64	38.37	0.0009	8558	12.22	303.56	12.23	303.47
13D0400N	13D	G100YR24HR	12.22	40.05	38.37	0.0004	9345	12.21	433.19	12.22	433.05
13D0500N	13D	G002YR24HR	12.35	39.00	41.65	0.0008	5093	12.36	118.48	12.37	118.56
13D0500N	13D	G010YR24HR	12.25	39.56	41.65	0.0009	5359	12.25	229.49	12.25	229.41
13D0500N	13D	G025YR24HR	12.23	39.89	41.65	0.0009	6342	12.21	303.67	12.22	303.56
13D0500N	13D	G100YR24HR	12.21	40.28	41.65	0.0006	6694	12.20	433.32	12.21	433.19
13D0700N	13D	G002YR24HR	12.40	40.26	41.18	0.0011	8219	12.34	95.32	12.41	94.27
13D0700N	13D	G010YR24HR	12.25	41.54	41.18	0.0012	9416	12.25	181.91	12.26	181.88
13D0700N	13D	G025YR24HR	12.22	41.70	41.18	0.0011	9599	12.21	240.82	12.22	240.78
13D0700N	13D	G100YR24HR	12.21	41.90	41.18	0.0008	9849	12.20	343.84	12.21	343.80
13D0750N	13D	G002YR24HR	12.39	40.56	44.95	0.0004	10464	12.25	94.22	12.35	90.37
13D0750N	13D	G010YR24HR	12.26	41.87	44.95	0.0006	12582	12.25	172.23	12.26	172.09
13D0750N	13D	G025YR24HR	12.23	42.16	44.95	0.0007	13041	12.21	227.48	12.25	227.45
13D0750N	13D	G100YR24HR	12.22	42.61	44.95	0.0008	13727	12.19	324.83	12.22	324.59
13D0800N	13D	G002YR24HR	12.37	41.21	45.55	0.0003	2755	12.33	52.24	12.35	51.84
13D0800N	13D	G010YR24HR	12.28	42.30	45.55	0.0004	3749	12.33	96.25	12.34	96.39

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13D0800N	13D	G025YR24HR	12.27	42.66	45.55	0.0005	3999	12.33	127.81	12.34	128.01
13D0800N	13D	G100YR24HR	12.26	43.20	45.55	0.0006	4377	12.33	183.39	12.33	183.71
13F0200N	13F	G002YR24HR	25.09	46.04	0.00	0.0002	6032	25.36	14.83	25.37	14.83
13F0200N	13F	G010YR24HR	31.96	46.42	0.00	0.0002	6804	25.90	25.37	25.86	25.35
13F0200N	13F	G025YR24HR	24.87	46.89	0.00	0.0002	7605	24.58	45.06	24.62	45.04
13F0200N	13F	G100YR24HR	24.38	47.63	0.00	0.0002	8703	19.35	90.50	19.36	90.41
13F0400P	13F	G002YR24HR	25.36	46.93	47.75	0.0000	1980593	12.62	134.80	25.36	14.83
13F0400P	13F	G010YR24HR	25.90	47.65	47.75	0.0000	2341182	12.58	259.64	25.90	25.37
13F0400P	13F	G025YR24HR	24.58	48.02	47.75	0.0000	2515715	12.58	353.77	24.58	45.06
13F0400P	13F	G100YR24HR	20.12	48.37	47.75	0.0001	2613930	12.51	509.19	19.35	90.50
13F0410P	13F	G002YR24HR	12.62	49.40	50.95	0.0001	27969	12.08	14.34	12.62	6.35
13F0410P	13F	G010YR24HR	12.30	49.76	50.95	0.0002	31504	12.08	27.95	12.30	21.29
13F0410P	13F	G025YR24HR	12.23	49.94	50.95	0.0001	33211	12.08	37.86	12.23	31.66
13F0410P	13F	G100YR24HR	12.19	50.17	50.95	0.0001	35475	12.08	55.43	12.19	48.71
13F0420P	13F	G002YR24HR	12.78	49.43	51.55	0.0000	80436	12.08	14.67	12.78	4.57
13F0420P	13F	G010YR24HR	12.65	49.72	51.55	0.0001	92712	12.08	27.61	12.65	10.62
13F0420P	13F	G025YR24HR	12.64	49.91	51.55	0.0001	100507	12.08	36.93	12.64	14.47
13F0420P	13F	G100YR24HR	12.75	50.28	51.55	0.0001	115435	12.08	53.36	12.75	16.08
13F0430P	13F	G002YR24HR	13.03	49.76	52.75	0.0000	319062	12.17	57.57	13.03	19.50
13F0430P	13F	G010YR24HR	12.83	50.03	52.75	0.0001	330298	12.17	94.34	12.83	41.28
13F0430P	13F	G025YR24HR	12.77	50.19	52.75	0.0001	336780	12.17	120.10	12.77	57.43
13F0430P	13F	G100YR24HR	12.71	50.44	52.75	0.0001	346852	12.17	165.18	12.71	86.11
13F0440P	13F	G002YR24HR	14.20	49.18	50.95	0.0000	33579	12.87	7.45	14.20	5.76
13F0440P	13F	G010YR24HR	13.51	49.48	50.95	0.0001	35120	13.13	15.87	13.51	14.90
13F0440P	13F	G025YR24HR	13.40	49.62	50.95	0.0001	35885	13.11	21.79	13.40	20.98
13F0440P	13F	G100YR24HR	13.37	49.82	50.95	0.0001	36874	13.14	30.94	13.37	30.31
13F0450P	13F	G002YR24HR	14.10	49.21	50.95	0.0001	20864	12.75	10.83	12.93	7.04
13F0450P	13F	G010YR24HR	13.34	49.71	50.95	0.0001	22390	12.75	19.50	13.16	15.45
13F0450P	13F	G025YR24HR	13.24	50.09	50.95	0.0001	23536	12.75	25.69	13.15	21.26
13F0450P	13F	G100YR24HR	13.22	50.77	50.95	0.0001	25619	12.75	36.56	13.18	30.26
13F0700N	13F	G002YR24HR	12.92	50.76	50.58	0.0001	44347	12.48	13.14	12.92	11.97
13F0700N	13F	G010YR24HR	12.78	50.99	50.58	0.0001	55184	12.58	31.84	12.78	31.50
13F0700N	13F	G025YR24HR	12.67	51.09	50.58	0.0001	57308	12.58	49.72	12.67	49.46
13F0700N	13F	G100YR24HR	12.50	51.21	50.58	0.0001	59808	12.42	82.64	12.50	82.31
13F0750N	13F	G002YR24HR	1.06	53.51	0.00	0.0002	36576	17.50	9.82	17.58	9.82
13F0750N	13F	G010YR24HR	15.69	53.71	0.00	0.0002	43732	15.58	23.50	15.64	23.48
13F0750N	13F	G025YR24HR	16.99	53.81	0.00	0.0002	47548	16.58	32.55	16.69	32.53
13F0750N	13F	G100YR24HR	17.47	54.00	0.00	0.0002	54660	16.58	52.38	16.71	52.33
13F0800N	13F	G002YR24HR	17.69	54.11	0.00	0.0010	4469	17.62	9.51	17.67	9.51
13F0800N	13F	G010YR24HR	15.94	54.50	0.00	0.0010	5913	15.90	22.72	15.93	22.72
13F0800N	13F	G025YR24HR	16.90	54.70	0.00	0.0010	7166	16.84	31.68	16.90	31.68
13F0800N	13F	G100YR24HR	17.02	54.95	0.00	0.0010	10014	17.02	51.12	17.04	51.12
13F1000P	13F	G002YR24HR	17.64	54.37	56.80	0.0000	698394	12.90	51.12	17.62	9.51
13F1000P	13F	G010YR24HR	15.90	55.14	56.80	0.0001	834986	12.32	231.88	15.90	22.72
13F1000P	13F	G025YR24HR	16.82	55.72	56.80	0.0001	958053	12.25	342.56	16.84	31.68
13F1000P	13F	G100YR24HR	17.02	56.77	56.80	0.0002	1180395	12.22	529.16	17.02	51.12

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13F1154P	13F	G002YR24HR	28.50	71.40	66.45	0.0001	2178	12.92	0.93	0.00	0.00
13F1154P	13F	G010YR24HR	28.50	92.65	66.45	0.0006	2178	12.67	4.97	0.00	0.00
13F1154P	13F	G025YR24HR	28.50	112.48	66.45	0.0010	2178	12.67	9.14	0.00	0.00
13F1154P	13F	G100YR24HR	28.50	153.69	66.45	0.0021	2178	12.58	18.07	0.00	0.00
13F1158P	13F	G002YR24HR	26.50	5.87	0.00	0.0002	2178	12.42	1.32	0.00	0.00
13F1158P	13F	G010YR24HR	26.50	20.82	0.00	0.0007	2178	12.33	5.75	0.00	0.00
13F1158P	13F	G025YR24HR	26.50	34.28	0.00	0.0012	2178	12.25	10.06	0.00	0.00
13F1158P	13F	G100YR24HR	26.50	61.71	0.00	0.0022	2178	12.25	18.82	0.00	0.00
13F1300P	13F	G002YR24HR	12.98	55.23	55.15	0.0001	146845	12.08	76.50	12.98	22.25
13F1300P	13F	G010YR24HR	12.30	55.45	55.15	0.0002	150591	12.08	139.65	12.30	116.93
13F1300P	13F	G025YR24HR	16.79	55.72	55.15	0.0002	155477	12.08	184.94	12.19	173.76
13F1300P	13F	G100YR24HR	17.00	56.78	55.15	0.0001	159430	12.08	264.80	12.16	253.56
13F1374P	13F	G002YR24HR	17.70	64.97	65.45	0.0003	35191	12.17	11.06	17.70	0.75
13F1374P	13F	G010YR24HR	12.66	65.10	65.45	0.0004	37240	12.17	23.29	12.66	13.72
13F1374P	13F	G025YR24HR	22.52	65.50	65.45	0.0004	43663	12.17	32.44	12.38	27.40
13F1374P	13F	G100YR24HR	13.54	65.65	65.45	0.0002	46118	12.17	48.91	12.22	47.40
13F1378P	13F	G002YR24HR	72.00	60.78	65.75	0.0000	44675	12.42	6.12	0.00	0.00
13F1378P	13F	G010YR24HR	72.00	64.17	65.75	0.0002	58864	12.61	29.38	0.00	0.00
13F1378P	13F	G025YR24HR	22.52	65.50	65.75	0.0003	64408	12.36	57.54	0.00	0.00
13F1378P	13F	G100YR24HR	13.54	65.66	65.75	0.0005	65079	12.25	100.10	0.00	0.00
13G0100N	13G	G002YR24HR	12.77	46.28	0.00	0.0004	11378	12.80	21.15	12.86	21.34
13G0100N	13G	G010YR24HR	34.79	47.47	0.00	0.0004	17939	12.75	36.96	12.82	36.78
13G0100N	13G	G025YR24HR	33.24	48.18	0.00	0.0004	20742	33.47	56.70	33.63	56.71
13G0100N	13G	G100YR24HR	29.79	49.52	0.00	0.0004	36217	31.61	76.26	33.36	102.39
13G0200N	13G	G002YR24HR	12.79	47.05	0.00	0.0002	4367	12.74	21.19	12.80	21.15
13G0200N	13G	G010YR24HR	12.77	47.76	0.00	0.0002	5169	12.70	37.09	12.75	36.96
13G0200N	13G	G025YR24HR	33.32	48.61	0.00	0.0002	5847	33.43	56.70	33.47	56.70
13G0200N	13G	G100YR24HR	29.90	49.74	0.00	0.0002	8331	31.45	76.24	31.61	76.26
13G0400N	13G	G002YR24HR	12.79	47.08	50.45	0.0002	9420	12.61	21.76	12.74	21.19
13G0400N	13G	G010YR24HR	12.76	47.80	50.45	0.0002	12284	12.59	38.09	12.70	37.09
13G0400N	13G	G025YR24HR	33.34	48.87	50.45	0.0002	50955	32.89	56.72	33.43	56.70
13G0400N	13G	G100YR24HR	30.11	50.21	50.45	0.0002	60097	29.83	76.18	31.45	76.24
13G0500N	13G	G002YR24HR	12.75	47.25	48.15	0.0002	21645	12.33	24.47	12.68	20.39
13G0500N	13G	G010YR24HR	12.73	47.99	48.15	0.0002	34639	12.33	42.90	12.65	35.66
13G0500N	13G	G025YR24HR	33.30	48.97	48.15	0.0002	57770	12.33	56.05	12.64	47.54
13G0500N	13G	G100YR24HR	30.11	50.23	48.15	0.0002	83328	12.33	80.92	12.50	74.82
13G0600N	13G	G002YR24HR	12.74	47.28	0.00	0.0002	9002	12.08	8.97	12.16	5.32
13G0600N	13G	G010YR24HR	12.71	48.02	0.00	0.0002	11861	12.08	15.70	12.14	9.90
13G0600N	13G	G025YR24HR	33.27	48.97	0.00	0.0002	15172	12.08	20.46	12.13	13.29
13G0600N	13G	G100YR24HR	30.06	50.23	0.00	0.0002	24209	12.08	28.77	12.13	19.29
13G1200P	13G	G002YR24HR	38.40	47.18	0.00	0.0001	959468	12.08	137.06	14.93	6.21
13G1200P	13G	G010YR24HR	34.49	48.51	0.00	0.0001	1120732	12.08	231.50	61.11	10.28
13G1200P	13G	G025YR24HR	33.25	49.02	0.00	0.0001	1174298	12.08	298.48	72.00	10.57
13G1200P	13G	G100YR24HR	30.10	50.25	0.00	0.0002	1294096	12.08	416.31	8.40	4.61
13G2000N	13G	G002YR24HR	38.32	47.18	0.00	0.0005	13932	12.23	7.58	12.23	6.26
13G2000N	13G	G010YR24HR	34.47	48.51	0.00	0.0005	21654	12.22	11.41	12.23	6.92
13G2000N	13G	G025YR24HR	33.22	49.02	0.00	0.0005	25845	12.05	10.84	13.93	4.36

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13G2000N	13G	G100YR24HR	30.07	50.26	0.00	0.0005	44064	11.83	7.81	11.33	1.91
13G2100N	13G	G002YR24HR	38.40	47.18	0.00	0.0005	10668	12.25	8.60	12.23	7.58
13G2100N	13G	G010YR24HR	34.47	48.51	0.00	0.0005	18175	12.22	14.75	12.22	11.41
13G2100N	13G	G025YR24HR	33.24	49.02	0.00	0.0005	22368	12.05	16.07	12.05	10.84
13G2100N	13G	G100YR24HR	30.08	50.25	0.00	0.0005	45372	11.83	12.36	11.83	7.81
13H0150P	13H	G002YR24HR	13.75	55.07	61.05	0.0001	52272	12.08	19.04	13.75	2.14
13H0150P	13H	G010YR24HR	13.90	56.19	61.05	0.0002	52272	12.08	36.47	13.90	3.51
13H0150P	13H	G025YR24HR	14.11	57.06	61.05	0.0002	52272	12.08	49.08	14.11	4.28
13H0150P	13H	G100YR24HR	12.92	58.19	61.05	0.0003	52272	12.08	71.38	12.92	15.52
13H0350P	13H	G002YR24HR	24.37	55.88	60.05	0.0001	69696	12.08	15.81	14.80	0.45
13H0350P	13H	G010YR24HR	24.11	56.59	60.05	0.0001	69696	12.08	31.25	13.68	1.44
13H0350P	13H	G025YR24HR	18.67	57.17	60.05	0.0001	69696	12.08	42.54	13.71	1.99
13H0350P	13H	G100YR24HR	13.07	57.84	60.05	0.0002	69696	12.08	62.62	13.06	10.50
13I0300N	13I	G002YR24HR	33.34	51.74	57.32	0.0039	4852	26.89	44.96	26.92	44.93
13I0300N	13I	G010YR24HR	30.93	52.83	57.32	0.0039	5083	30.39	74.19	30.42	74.18
13I0300N	13I	G025YR24HR	30.05	53.39	57.32	0.0039	5369	33.18	91.00	33.18	91.02
13I0300N	13I	G100YR24HR	26.49	54.15	57.32	0.0039	5375	33.99	112.13	34.06	112.16
13I0400N	13I	G002YR24HR	27.03	53.51	0.00	-0.0002	4533	27.00	44.96	27.03	44.96
13I0400N	13I	G010YR24HR	30.41	54.08	0.00	-0.0002	4905	30.37	74.19	30.39	74.19
13I0400N	13I	G025YR24HR	32.76	54.37	0.00	-0.0002	5088	33.16	91.00	33.18	91.00
13I0400N	13I	G100YR24HR	31.05	54.81	0.00	-0.0002	5349	33.96	112.12	33.99	112.13
13I0610P	13I	G002YR24HR	24.29	54.75	58.95	0.0001	12173	12.42	2.41	24.22	0.64
13I0610P	13I	G010YR24HR	15.49	55.81	58.95	0.0001	13954	12.33	6.60	15.40	4.79
13I0610P	13I	G025YR24HR	14.64	56.67	58.95	0.0002	15398	12.45	10.96	14.58	9.86
13I0610P	13I	G100YR24HR	33.96	58.51	58.95	0.0003	18475	12.69	22.99	13.97	20.56
13I0620P	13I	G002YR24HR	24.29	54.75	60.95	0.0001	51045	12.50	8.39	24.50	0.57
13I0620P	13I	G010YR24HR	15.48	55.81	60.95	0.0001	55357	12.42	24.55	14.79	4.00
13I0620P	13I	G025YR24HR	14.64	56.69	60.95	0.0002	58897	12.42	38.15	13.94	8.64
13I0620P	13I	G100YR24HR	33.95	58.51	60.95	0.0003	66243	12.42	64.20	13.71	18.72
13I0700N	13I	G002YR24HR	27.95	56.71	0.00	-0.0018	3366	28.47	44.45	27.95	31.06
13I0700N	13I	G010YR24HR	19.91	57.55	0.00	-0.0018	3748	19.90	67.74	19.91	67.74
13I0700N	13I	G025YR24HR	20.56	58.27	0.00	-0.0018	4288	20.54	111.74	20.56	111.73
13I0700N	13I	G100YR24HR	19.43	59.08	0.00	-0.0016	5922	19.41	174.23	19.43	174.23
13I0900N	13I	G002YR24HR	27.92	56.85	61.40	0.0013	4552	18.58	29.27	28.47	44.45
13I0900N	13I	G010YR24HR	19.91	57.71	61.40	0.0013	5658	19.73	67.75	19.90	67.74
13I0900N	13I	G025YR24HR	20.55	59.69	61.40	0.0014	11809	20.53	133.41	20.54	111.74
13I0900N	13I	G100YR24HR	19.41	62.55	61.40	0.0014	18921	13.73	201.63	19.41	174.23
13I1000N	13I	G002YR24HR	19.18	59.12	0.00	0.0008	4945	31.09	40.82	18.70	28.75
13I1000N	13I	G010YR24HR	20.02	60.08	0.00	0.0025	6487	19.95	66.88	20.00	66.87
13I1000N	13I	G025YR24HR	20.55	60.81	0.00	0.0019	11119	20.42	110.74	20.55	132.38
13I1000N	13I	G100YR24HR	19.37	62.84	0.00	0.0019	14215	19.02	172.54	13.73	196.46
13I1500P	13I	G002YR24HR	12.78	62.42	65.25	0.0002	31768	12.42	144.29	12.59	123.50
13I1500P	13I	G010YR24HR	12.72	64.49	65.25	0.0005	38808	12.68	227.43	12.70	227.13
13I1500P	13I	G025YR24HR	12.63	64.65	65.25	0.0006	39575	12.61	327.51	12.63	327.38
13I1500P	13I	G100YR24HR	12.65	64.84	65.25	0.0007	40500	12.64	514.50	12.65	514.44
13I1502N	13I	G002YR24HR	12.80	62.94	63.38	0.0003	474	14.74	37.78	14.71	37.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13I1502N	13I	G010YR24HR	13.57	65.03	63.38	-0.0005	24799	15.24	46.29	14.95	50.52
13I1502N	13I	G025YR24HR	13.56	65.39	63.38	0.0006	28425	13.47	43.54	15.50	48.61
13I1502N	13I	G100YR24HR	13.34	65.76	63.38	-0.0006	32113	13.00	47.87	13.63	47.11
13I1504N	13I	G002YR24HR	12.82	63.35	63.78	0.0014	486	14.80	37.65	14.78	37.71
13I1504N	13I	G010YR24HR	13.66	65.55	63.78	-0.0016	71228	12.94	48.13	15.24	46.19
13I1504N	13I	G025YR24HR	13.54	66.08	63.78	-0.0013	93275	12.80	67.86	13.48	43.30
13I1504N	13I	G100YR24HR	13.22	66.55	63.78	-0.0014	113958	12.62	99.23	13.02	47.33
13I1506N	13I	G002YR24HR	12.96	64.94	65.05	0.0022	2557	14.85	37.45	14.83	37.51
13I1506N	13I	G010YR24HR	13.31	66.00	65.05	0.0015	22679	16.09	36.28	16.07	36.34
13I1506N	13I	G025YR24HR	13.24	66.26	65.05	-0.0014	28181	12.34	33.83	16.79	32.86
13I1506N	13I	G100YR24HR	13.12	66.59	65.05	-0.0014	35142	12.29	38.28	11.51	33.31
13I1508N	13I	G002YR24HR	12.97	65.10	65.05	-0.0032	451	14.39	19.15	14.37	19.21
13I1508N	13I	G010YR24HR	13.31	66.00	65.05	-0.0021	451	15.90	18.55	15.88	18.62
13I1508N	13I	G025YR24HR	13.26	66.26	65.05	-0.0021	451	11.89	17.93	11.88	17.36
13I1508N	13I	G100YR24HR	13.14	66.59	65.05	-0.0021	451	11.71	18.23	11.63	17.89
13I1510N	13I	G002YR24HR	12.98	65.35	65.65	-0.0042	464	12.03	19.78	14.39	19.15
13I1510N	13I	G010YR24HR	13.30	66.00	65.65	-0.0043	21019	12.87	30.82	12.94	29.51
13I1510N	13I	G025YR24HR	13.29	66.25	65.65	-0.0027	29233	12.71	47.63	12.84	44.72
13I1510N	13I	G100YR24HR	13.15	66.60	65.65	0.0026	39140	12.66	81.58	12.67	74.70
13I1512N	13I	G002YR24HR	13.02	65.36	65.65	0.0031	1171	15.69	32.71	15.69	32.76
13I1512N	13I	G010YR24HR	13.30	66.01	65.65	0.0030	6351	16.92	31.47	16.92	31.51
13I1512N	13I	G025YR24HR	13.24	66.26	65.65	0.0024	8695	17.45	27.77	11.24	28.16
13I1512N	13I	G100YR24HR	13.12	66.59	65.65	-0.0021	11753	10.41	25.92	10.24	27.96
13I1514P	13I	G002YR24HR	13.62	65.72	65.95	0.0004	324220	12.33	93.75	14.02	34.84
13I1514P	13I	G010YR24HR	13.19	66.15	65.95	0.0002	406274	12.33	161.48	13.17	79.39
13I1514P	13I	G025YR24HR	13.01	66.32	65.95	0.0002	428565	12.33	209.20	12.95	120.34
13I1514P	13I	G100YR24HR	12.98	66.59	65.95	-0.0002	463519	12.33	292.69	12.72	191.59
13J0300N	13J	G002YR24HR	12.36	60.44	61.97	0.0006	2838	12.33	74.37	12.36	74.27
13J0300N	13J	G010YR24HR	12.25	61.49	61.97	0.0007	13875	12.23	126.17	12.25	125.85
13J0300N	13J	G025YR24HR	12.21	61.66	61.97	0.0007	16412	12.19	158.67	12.21	158.37
13J0300N	13J	G100YR24HR	12.18	61.87	61.97	0.0005	19507	12.17	211.39	12.18	211.07
13J0320N	13J	G002YR24HR	12.44	62.10	0.00	0.0003	710	12.44	68.63	12.44	68.62
13J0320N	13J	G010YR24HR	12.25	63.33	0.00	-0.0047	450	12.25	114.06	12.25	114.06
13J0320N	13J	G025YR24HR	12.20	64.05	0.00	-0.0047	1208	12.20	142.05	12.20	141.88
13J0320N	13J	G100YR24HR	12.18	65.14	0.00	-0.0046	1794	12.17	186.78	12.18	186.71
13J0340N	13J	G002YR24HR	12.46	63.06	65.05	0.0003	1137	12.45	67.84	12.44	67.83
13J0340N	13J	G010YR24HR	12.25	64.98	65.05	0.0044	482	12.24	112.14	12.25	112.13
13J0340N	13J	G025YR24HR	12.20	66.02	65.05	0.0046	2710	12.18	139.76	12.20	139.31
13J0340N	13J	G100YR24HR	12.17	66.70	65.05	0.0045	4219	12.17	183.00	12.17	182.76
13J0360N	13J	G002YR24HR	12.86	63.74	66.95	0.0002	2236	12.84	56.58	12.86	56.53
13J0360N	13J	G010YR24HR	12.28	65.83	66.95	0.0019	1779	12.84	82.91	12.95	86.21
13J0360N	13J	G025YR24HR	13.05	67.23	66.95	0.0025	2410	13.04	107.45	13.09	107.62
13J0360N	13J	G100YR24HR	12.88	67.82	66.95	0.0024	6418	12.88	147.29	12.90	147.37
13J0400N	13J	G002YR24HR	12.84	68.23	72.25	0.0002	1847	12.83	56.64	12.84	56.58
13J0400N	13J	G010YR24HR	12.84	68.86	72.25	0.0002	1587	12.83	83.00	12.84	82.91
13J0400N	13J	G025YR24HR	13.05	71.77	72.25	0.0023	845	13.04	107.50	13.04	107.45
13J0400N	13J	G100YR24HR	12.88	73.24	72.25	0.0033	4860	12.83	147.52	12.88	147.29

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J0600N	13J	G002YR24HR	12.51	71.55	74.35	0.0002	4461	12.45	44.45	12.50	44.31
13J0600N	13J	G010YR24HR	12.21	72.22	74.35	0.0003	4900	12.11	62.35	12.21	61.41
13J0600N	13J	G025YR24HR	13.09	72.88	74.35	-0.0008	5432	12.08	71.61	12.17	70.39
13J0600N	13J	G100YR24HR	12.93	74.58	74.35	0.0013	22056	12.90	242.31	12.64	94.79
13J0640N	13J	G002YR24HR	15.39	73.10	0.00	-0.0005	4060	21.18	43.60	15.10	40.62
13J0640N	13J	G010YR24HR	13.70	73.25	0.00	0.0004	4154	12.34	49.12	12.33	49.07
13J0640N	13J	G025YR24HR	13.09	73.40	0.00	0.0007	6244	12.98	63.28	12.97	63.09
13J0640N	13J	G100YR24HR	12.93	75.55	0.00	-0.0032	10965	12.64	88.95	12.93	236.28
13J0680N	13J	G002YR24HR	15.35	73.47	0.00	0.0029	544	15.19	40.34	21.18	43.47
13J0680N	13J	G010YR24HR	13.67	73.77	0.00	-0.0030	455	13.64	46.74	13.65	46.73
13J0680N	13J	G025YR24HR	13.09	74.10	0.00	0.0030	455	12.85	54.65	13.28	54.65
13J0680N	13J	G100YR24HR	12.93	75.80	0.00	-0.0030	455	14.42	54.45	14.41	54.49
13J0700N	13J	G002YR24HR	15.28	74.25	75.03	0.0003	582	15.18	40.34	15.19	40.34
13J0700N	13J	G010YR24HR	13.66	75.15	75.03	-0.0006	1193	13.59	46.75	13.64	46.74
13J0700N	13J	G025YR24HR	13.01	76.18	75.03	-0.0006	4374	12.98	61.42	13.00	61.37
13J0700N	13J	G100YR24HR	12.91	76.56	75.03	0.0016	4374	12.65	83.61	12.91	83.42
13J0800N	13J	G002YR24HR	15.24	75.07	76.25	0.0003	5117	14.99	40.35	15.18	40.34
13J0800N	13J	G010YR24HR	13.64	76.22	76.25	0.0004	9946	12.95	68.95	13.59	46.75
13J0800N	13J	G025YR24HR	12.99	76.47	76.25	0.0004	18065	12.43	71.73	12.98	61.47
13J0800N	13J	G100YR24HR	12.91	76.61	76.25	0.0006	19163	12.65	85.12	12.90	84.93
13J0900N	13J	G002YR24HR	15.24	75.26	0.00	0.0016	8887	14.99	39.85	15.26	39.84
13J0900N	13J	G010YR24HR	13.64	76.24	0.00	0.0016	19371	12.92	48.39	12.95	66.11
13J0900N	13J	G025YR24HR	12.99	76.50	0.00	0.0016	30767	12.90	58.32	16.08	62.72
13J0900N	13J	G100YR24HR	12.92	76.65	0.00	0.0016	37738	12.84	79.73	12.94	79.54
13J1000N	13J	G002YR24HR	15.17	76.22	76.15	-0.0014	1239	14.95	39.85	14.99	39.85
13J1000N	13J	G010YR24HR	13.39	76.75	76.15	-0.0014	1691	12.92	48.43	12.92	48.39
13J1000N	13J	G025YR24HR	12.93	76.84	76.15	-0.0014	2484	12.89	58.33	12.90	58.32
13J1000N	13J	G100YR24HR	12.86	76.93	76.15	-0.0014	2566	12.83	79.74	12.84	79.73
13J1100N	13J	G002YR24HR	15.18	76.23	76.15	0.0043	964	17.59	37.86	17.59	37.87
13J1100N	13J	G010YR24HR	13.40	76.76	76.15	0.0036	1329	25.50	39.38	25.50	39.40
13J1100N	13J	G025YR24HR	12.93	76.84	76.15	0.0036	1411	26.02	40.05	26.00	40.07
13J1100N	13J	G100YR24HR	12.87	76.94	76.15	0.0040	1497	13.24	41.70	13.24	41.73
13J1300N	13J	G002YR24HR	15.62	76.61	77.05	0.0015	3035	17.58	37.82	17.59	37.86
13J1300N	13J	G010YR24HR	13.76	77.06	77.05	0.0014	36263	25.50	39.32	25.50	39.38
13J1300N	13J	G025YR24HR	13.43	77.17	77.05	-0.0014	39185	26.04	40.01	26.02	40.05
13J1300N	13J	G100YR24HR	13.11	77.41	77.05	-0.0015	52681	12.80	43.82	13.24	41.70
13J1400N	13J	G002YR24HR	15.68	76.65	77.05	0.0046	19503	16.36	37.81	16.51	37.94
13J1400N	13J	G010YR24HR	13.88	77.08	77.05	0.0046	46409	14.32	49.04	14.55	49.49
13J1400N	13J	G025YR24HR	13.48	77.19	77.05	0.0046	46867	13.89	55.04	14.00	55.51
13J1400N	13J	G100YR24HR	13.12	77.42	77.05	0.0046	50276	12.97	72.82	13.15	72.12
13J1600N	13J	G002YR24HR	15.83	76.86	75.95	-0.0035	93407	14.66	38.23	16.36	37.81
13J1600N	13J	G010YR24HR	14.11	77.42	75.95	-0.0035	130990	12.37	63.52	14.32	49.04
13J1600N	13J	G025YR24HR	13.73	77.61	75.95	-0.0035	141868	12.31	79.05	13.89	55.04
13J1600N	13J	G100YR24HR	13.03	77.84	75.95	-0.0035	156789	12.50	96.19	12.97	72.82
13J1800N	13J	G002YR24HR	15.66	77.15	76.95	0.0003	21250	14.15	38.80	14.66	38.23
13J1800N	13J	G010YR24HR	13.89	77.73	76.95	0.0003	46314	12.71	85.36	12.75	82.10

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J1800N	13J	G025YR24HR	13.37	77.92	76.95	0.0003	54151	12.36	120.46	12.57	113.21
13J1800N	13J	G100YR24HR	12.64	78.26	76.95	0.0002	67087	12.48	202.17	12.56	194.00
13J1820P	13J	G002YR24HR	13.53	80.12	82.05	0.0002	28312	12.50	17.77	13.52	9.15
13J1820P	13J	G010YR24HR	13.13	81.23	82.05	0.0002	31556	12.50	36.28	13.76	24.56
13J1820P	13J	G025YR24HR	13.05	82.01	82.05	0.0002	47938	12.50	50.16	13.05	35.36
13J1820P	13J	G100YR24HR	12.53	82.18	82.05	0.0003	47938	12.42	75.37	12.53	74.59
13J1900N	13J	G002YR24HR	15.95	77.46	81.75	-0.0002	3429	16.86	31.84	16.89	31.87
13J1900N	13J	G010YR24HR	15.50	78.09	81.75	0.0002	3870	16.52	56.81	16.53	56.83
13J1900N	13J	G025YR24HR	15.47	78.34	81.75	0.0007	3821	16.43	72.42	16.41	72.44
13J1900N	13J	G100YR24HR	16.57	78.65	81.75	0.0007	4052	17.08	98.09	17.09	98.10
13J2100N	13J	G002YR24HR	16.39	77.81	82.26	0.0001	3283	16.87	31.49	16.91	31.51
13J2100N	13J	G010YR24HR	16.33	78.65	82.26	0.0002	3422	16.54	56.24	16.56	56.25
13J2100N	13J	G025YR24HR	16.47	79.30	82.26	-0.0007	3338	16.44	71.71	16.47	71.71
13J2100N	13J	G100YR24HR	17.10	80.24	82.26	-0.0007	3670	17.06	97.21	17.10	97.21
13J2200P	13J	G002YR24HR	16.97	80.13	78.45	0.0001	681954	12.33	156.34	16.87	31.49
13J2200P	13J	G010YR24HR	16.55	81.16	78.45	0.0001	1028490	12.33	260.95	16.54	56.24
13J2200P	13J	G025YR24HR	16.44	81.65	78.45	0.0001	1226758	12.34	339.59	16.44	71.71
13J2200P	13J	G100YR24HR	17.06	82.31	78.45	0.0001	1513348	12.25	466.26	17.06	97.21
13J2220P	13J	G002YR24HR	14.08	81.30	84.15	0.0001	75408	12.67	35.49	14.06	18.73
13J2220P	13J	G010YR24HR	14.08	82.77	84.15	0.0002	162918	12.68	79.34	14.06	37.15
13J2220P	13J	G025YR24HR	14.63	83.49	84.15	0.0003	285835	12.51	124.05	13.54	43.59
13J2220P	13J	G100YR24HR	15.19	84.43	84.15	0.0004	467737	12.42	179.06	12.69	44.91
13J2221P	13J	G002YR24HR	14.60	87.10	87.45	0.0001	94835	12.23	22.34	14.60	2.49
13J2221P	13J	G010YR24HR	12.86	87.46	87.45	0.0001	100377	12.15	42.95	12.86	16.82
13J2221P	13J	G025YR24HR	12.47	87.55	87.45	0.0001	101136	12.14	55.42	12.47	41.41
13J2221P	13J	G100YR24HR	12.25	87.63	87.45	0.0001	101774	12.12	77.13	12.25	73.29
13J2222P	13J	G002YR24HR	12.36	88.39	89.20	0.0001	36754	12.08	19.36	12.36	13.17
13J2222P	13J	G010YR24HR	12.24	88.64	89.20	0.0001	39521	12.08	31.68	12.24	25.56
13J2222P	13J	G025YR24HR	12.23	88.76	89.20	0.0001	40976	12.08	40.32	12.23	33.08
13J2222P	13J	G100YR24HR	12.22	88.97	89.20	0.0001	43292	12.08	55.42	12.22	45.94
13J2231N	13J	G002YR24HR	16.59	80.18	0.00	-0.0009	495	12.50	42.42	12.50	42.26
13J2231N	13J	G010YR24HR	13.80	81.39	0.00	-0.0009	495	12.53	57.37	12.54	57.17
13J2231N	13J	G025YR24HR	14.05	82.00	0.00	-0.0009	495	12.65	56.74	12.68	56.58
13J2231N	13J	G100YR24HR	14.70	82.76	0.00	0.0020	495	12.63	57.15	12.66	56.98
13J2232N	13J	G002YR24HR	13.48	80.48	81.45	0.0005	450	12.50	41.83	12.50	41.68
13J2232N	13J	G010YR24HR	13.19	82.30	81.45	0.0005	450	12.94	76.18	12.94	76.14
13J2232N	13J	G025YR24HR	13.42	82.94	81.45	0.0005	450	13.11	86.59	13.11	86.54
13J2232N	13J	G100YR24HR	13.83	83.71	81.45	-0.0012	450	13.26	95.38	13.27	95.34
13J2233P	13J	G002YR24HR	13.52	81.94	81.85	0.0001	58616	13.08	19.11	13.52	17.91
13J2233P	13J	G010YR24HR	13.20	82.33	81.85	0.0001	89501	12.92	43.95	13.50	44.02
13J2233P	13J	G025YR24HR	13.42	82.96	81.85	0.0001	142726	12.83	58.40	13.92	53.53
13J2233P	13J	G100YR24HR	13.84	83.73	81.85	0.0002	341445	12.83	79.62	14.78	61.14
13J2234P	13J	G002YR24HR	14.05	82.85	83.45	0.0001	40849	12.42	12.90	14.05	4.19
13J2234P	13J	G010YR24HR	13.25	83.29	83.45	0.0001	69298	12.42	24.25	13.25	13.01
13J2234P	13J	G025YR24HR	13.26	83.56	83.45	0.0001	90925	12.42	32.45	13.00	17.22
13J2234P	13J	G100YR24HR	13.55	84.01	83.45	0.0001	135717	12.42	46.91	12.84	21.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K0250N	13K	G002YR24HR	12.22	58.04	0.00	0.0007	510	12.22	80.51	12.22	80.51
13K0250N	13K	G010YR24HR	12.10	58.36	0.00	0.0005	510	12.08	90.31	12.10	90.30
13K0250N	13K	G025YR24HR	12.09	58.46	0.00	0.0004	510	12.08	93.08	12.09	93.05
13K0250N	13K	G100YR24HR	12.09	58.61	0.00	0.0004	510	12.08	97.20	12.09	97.16
13K0400N	13K	G002YR24HR	12.26	60.27	60.67	0.0010	7729	12.08	82.04	12.32	74.39
13K0400N	13K	G010YR24HR	12.15	60.85	60.67	0.0010	11551	12.15	89.52	12.17	89.56
13K0400N	13K	G025YR24HR	12.10	60.90	60.67	0.0010	11865	12.08	100.59	12.10	100.46
13K0400N	13K	G100YR24HR	13.74	61.21	60.67	0.0010	20160	13.73	246.43	13.74	246.43
13K0550N	13K	G002YR24HR	12.24	61.08	64.95	0.0065	494	12.09	72.69	12.54	72.63
13K0550N	13K	G010YR24HR	12.20	61.87	64.95	-0.0056	471	11.87	75.90	12.21	74.96
13K0550N	13K	G025YR24HR	15.89	62.30	64.95	-0.0057	471	15.78	88.28	15.80	88.28
13K0550N	13K	G100YR24HR	13.64	62.76	64.95	-0.0055	471	12.42	96.64	12.42	96.52
13K0650N	13K	G002YR24HR	12.24	61.68	64.35	0.0018	552	12.09	62.88	12.09	62.59
13K0650N	13K	G010YR24HR	12.61	63.02	64.35	0.0065	4627	13.52	72.14	14.54	72.25
13K0650N	13K	G025YR24HR	15.92	64.46	64.35	0.0064	25119	15.87	97.09	15.92	97.06
13K0650N	13K	G100YR24HR	13.75	65.02	64.35	0.0064	44589	13.72	241.40	13.75	241.32
13K0750N	13K	G002YR24HR	12.23	62.69	64.95	0.0021	1373	12.08	63.87	12.09	62.88
13K0750N	13K	G010YR24HR	12.80	64.37	64.95	0.0021	102608	12.08	97.88	13.52	72.14
13K0750N	13K	G025YR24HR	15.88	65.25	64.95	0.0022	204796	12.23	125.15	15.87	97.09
13K0750N	13K	G100YR24HR	13.72	65.73	64.95	0.0020	213515	13.56	243.92	13.72	241.40
13K0820N	13K	G002YR24HR	12.76	63.23	62.63	0.0014	2817	13.34	33.67	13.34	34.09
13K0820N	13K	G010YR24HR	12.82	64.41	62.63	0.0015	4773	24.63	34.28	24.64	34.60
13K0820N	13K	G025YR24HR	15.88	65.27	62.63	0.0018	5672	26.55	35.68	26.55	35.94
13K0820N	13K	G100YR24HR	13.72	65.77	62.63	0.0014	6315	28.80	35.84	28.80	36.10
13K0860N	13K	G002YR24HR	12.84	63.42	62.12	0.0006	3222	19.16	20.65	19.07	20.66
13K0860N	13K	G010YR24HR	12.87	64.51	62.12	0.0006	4859	29.46	20.60	29.46	20.65
13K0860N	13K	G025YR24HR	15.88	65.43	62.12	0.0004	5862	32.15	20.59	32.15	20.64
13K0860N	13K	G100YR24HR	13.73	65.91	62.12	0.0004	6489	34.44	20.59	34.44	20.64
13K0900P	13K	G002YR24HR	12.85	63.37	63.95	0.0002	52584	12.08	16.19	13.34	6.77
13K0900P	13K	G010YR24HR	12.81	64.40	63.95	0.0003	82516	12.08	26.81	13.55	9.75
13K0900P	13K	G025YR24HR	15.88	65.26	63.95	0.0003	100588	12.08	34.25	15.88	12.64
13K0900P	13K	G100YR24HR	13.72	65.76	63.95	0.0004	112237	13.22	72.44	13.66	68.35
13K1100N	13K	G002YR24HR	12.93	64.34	67.75	0.0008	2667	13.14	26.37	13.34	26.60
13K1100N	13K	G010YR24HR	13.45	65.90	67.75	0.0008	4273	14.23	34.24	14.32	34.37
13K1100N	13K	G025YR24HR	15.73	67.20	67.75	0.0008	5605	14.76	37.15	22.31	37.21
13K1100N	13K	G100YR24HR	13.60	67.52	67.75	0.0008	5935	12.65	37.04	25.09	37.27
13K1150P	13K	G002YR24HR	12.95	64.69	62.45	0.0006	49935	12.17	35.23	13.27	6.05
13K1150P	13K	G010YR24HR	13.70	66.47	62.45	0.0005	88613	12.13	66.80	14.26	7.85
13K1150P	13K	G025YR24HR	15.56	67.87	62.45	0.0004	118899	12.13	87.99	14.82	8.49
13K1150P	13K	G100YR24HR	13.33	68.13	62.45	0.0004	124718	12.10	124.82	21.48	8.46
13K1300N	13K	G002YR24HR	12.94	64.69	67.75	0.0008	10230	12.25	42.02	12.24	39.10
13K1300N	13K	G010YR24HR	13.69	66.48	67.75	-0.0006	20786	12.17	73.18	12.20	59.59
13K1300N	13K	G025YR24HR	15.54	67.87	67.75	-0.0006	30450	12.17	92.31	12.19	73.34
13K1300N	13K	G100YR24HR	13.33	68.13	67.75	-0.0006	32452	12.28	130.25	12.28	102.45
13K1500N	13K	G002YR24HR	12.25	73.73	0.00	0.0003	5281	12.13	24.32	12.25	23.20
13K1500N	13K	G010YR24HR	12.15	74.31	0.00	0.0003	5853	12.08	39.96	12.15	39.00
13K1500N	13K	G025YR24HR	12.14	74.57	0.00	0.0003	6117	12.08	48.10	12.14	46.97

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K1500N	13K	G100YR24HR	12.12	74.94	0.00	-0.0003	6512	13.55	78.10	13.59	78.06
13K1600N	13K	G002YR24HR	18.50	74.62	0.00	0.0003	2956	18.50	19.46	18.53	19.46
13K1600N	13K	G010YR24HR	16.00	74.97	0.00	0.0003	3046	17.09	25.31	17.04	25.31
13K1600N	13K	G025YR24HR	12.16	75.10	0.00	0.0003	3132	14.58	27.52	14.63	27.52
13K1600N	13K	G100YR24HR	12.14	75.39	0.00	0.0003	3263	13.50	33.08	12.34	33.20
13K1750N	13K	G002YR24HR	18.51	74.72	0.00	-0.0004	18561	18.19	18.89	18.75	18.90
13K1750N	13K	G010YR24HR	16.01	75.07	0.00	-0.0004	18561	16.60	38.77	16.39	38.94
13K1750N	13K	G025YR24HR	14.67	75.13	0.00	-0.0004	18561	14.77	46.02	14.81	46.05
13K1750N	13K	G100YR24HR	13.60	75.46	0.00	-0.0004	20730	13.59	77.23	13.66	77.33
13K2000N	13K	G002YR24HR	20.17	79.09	0.00	0.0000	3485	20.09	4.15	20.17	4.15
13K2000N	13K	G010YR24HR	20.23	79.38	0.00	0.0000	3640	20.14	6.54	20.23	6.54
13K2000N	13K	G025YR24HR	20.22	79.53	0.00	0.0000	3738	20.14	8.24	20.22	8.24
13K2000N	13K	G100YR24HR	20.31	79.73	0.00	0.0001	3868	20.23	10.80	20.31	10.80
13K2240P	13K	G002YR24HR	12.41	80.33	0.00	0.0001	43560	12.08	23.56	12.41	14.19
13K2240P	13K	G010YR24HR	12.23	80.59	0.00	0.0001	43560	12.08	37.79	12.23	31.00
13K2240P	13K	G025YR24HR	12.21	80.72	0.00	0.0001	43560	12.08	47.77	12.21	40.50
13K2240P	13K	G100YR24HR	12.19	80.91	0.00	0.0001	43560	12.08	65.27	12.19	56.64
13K3050P	13K	G002YR24HR	12.57	78.23	0.00	0.0000	276768	12.08	39.18	12.57	23.12
13K3050P	13K	G010YR24HR	12.99	78.44	0.00	0.0000	305961	12.54	79.02	12.99	62.21
13K3050P	13K	G025YR24HR	12.70	78.54	0.00	0.0001	320706	12.29	116.20	12.70	90.26
13K3050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	340651	12.08	170.31	12.46	137.93
13K3200P	13K	G002YR24HR	12.56	80.87	81.95	0.0001	20583	12.42	34.17	12.56	32.01
13K3200P	13K	G010YR24HR	12.53	81.38	81.95	0.0002	21233	12.33	54.52	12.53	51.78
13K3200P	13K	G025YR24HR	12.52	81.69	81.95	0.0002	21642	12.33	68.82	12.52	65.71
13K3200P	13K	G100YR24HR	12.42	82.02	81.95	0.0002	21980	12.33	93.92	12.42	93.69
13K4050P	13K	G002YR24HR	14.37	78.23	0.00	0.0001	395673	12.10	58.06	14.78	11.09
13K4050P	13K	G010YR24HR	13.01	78.44	0.00	0.0001	415065	12.08	95.04	13.26	41.30
13K4050P	13K	G025YR24HR	12.71	78.54	0.00	0.0001	424303	12.08	120.58	12.83	61.14
13K4050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	436892	12.08	167.03	12.49	106.88
13K4200P	13K	G002YR24HR	12.20	80.56	85.95	0.0009	124	12.17	24.25	12.18	24.18
13K4200P	13K	G010YR24HR	12.97	81.70	85.95	-0.0215	105493	12.17	50.03	12.94	25.19
13K4200P	13K	G025YR24HR	13.08	82.32	85.95	-0.0234	170994	12.30	88.55	13.24	27.30
13K4200P	13K	G100YR24HR	13.23	83.01	85.95	-0.0241	254641	12.17	158.02	13.60	29.59
13K4400P	13K	G002YR24HR	12.72	81.20	82.15	0.0002	32671	12.08	24.52	12.71	7.72
13K4400P	13K	G010YR24HR	12.60	82.46	82.15	0.0003	32671	12.08	39.68	12.59	16.27
13K4400P	13K	G025YR24HR	12.35	82.63	82.15	0.0003	32671	12.08	50.30	12.34	34.02
13K4400P	13K	G100YR24HR	13.22	83.02	82.15	0.0004	32671	12.08	68.91	12.16	61.65
13L0020N	13L	G002YR24HR	12.10	53.44	53.95	0.0016	783	12.08	9.26	12.10	9.09
13L0020N	13L	G010YR24HR	12.08	54.08	53.95	0.0016	559	12.08	17.29	12.08	17.26
13L0020N	13L	G025YR24HR	12.08	54.15	53.95	0.0016	559	12.08	23.68	12.08	23.66
13L0020N	13L	G100YR24HR	14.35	54.50	53.95	0.0052	494	12.08	35.79	12.08	35.77
13L0040P	13L	G002YR24HR	24.30	53.05	53.23	0.0000	601710	12.25	92.79	4.04	2.95
13L0040P	13L	G010YR24HR	24.30	53.82	53.23	0.0001	688117	12.25	165.19	22.50	3.38
13L0040P	13L	G025YR24HR	18.73	54.13	53.23	0.0001	739791	12.25	220.32	60.39	2.98
13L0040P	13L	G100YR24HR	14.33	54.57	53.23	0.0001	828218	12.25	316.67	1.70	18.64
13L0200N	13L	G002YR24HR	30.37	51.91	54.35	0.0000	10531	24.92	85.14	25.13	85.08

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L0200N	13L	G010YR24HR	28.69	53.03	54.35	0.0001	11716	23.65	164.99	23.63	162.62
13L0200N	13L	G025YR24HR	28.67	53.59	54.35	0.0012	12299	43.94	210.08	26.38	201.12
13L0200N	13L	G100YR24HR	26.98	54.30	54.35	0.0011	17179	27.97	293.32	27.98	293.33
13L0400N	13L	G002YR24HR	30.08	51.93	54.85	0.0000	39992	25.43	85.26	25.50	85.07
13L0400N	13L	G010YR24HR	28.41	53.07	54.85	0.0001	41019	24.52	162.06	23.65	162.70
13L0400N	13L	G025YR24HR	27.94	53.81	54.85	-0.0003	39875	26.27	201.34	43.94	210.08
13L0400N	13L	G100YR24HR	27.58	54.78	54.85	-0.0003	39875	27.91	293.28	27.97	293.32
13L0820P	13L	G002YR24HR	30.04	51.94	53.95	0.0001	49851	12.25	35.44	12.39	33.90
13L0820P	13L	G010YR24HR	28.36	53.08	53.95	0.0001	73019	12.25	60.79	12.33	59.70
13L0820P	13L	G025YR24HR	27.92	53.81	53.95	0.0001	90729	12.25	78.63	12.31	77.50
13L0820P	13L	G100YR24HR	27.58	54.79	53.95	0.0001	137851	12.25	109.83	12.24	103.77
13L1020P	13L	G002YR24HR	14.70	54.65	56.35	0.0001	160094	12.33	34.31	14.70	5.98
13L1020P	13L	G010YR24HR	13.06	54.93	56.35	0.0001	167915	12.33	58.70	13.06	32.97
13L1020P	13L	G025YR24HR	12.80	55.03	56.35	0.0001	171150	12.33	75.86	12.80	54.48
13L1020P	13L	G100YR24HR	12.60	55.17	56.35	0.0001	175432	12.33	105.88	12.60	92.04
13L1202N	13N	G002YR24HR	13.22	59.61	61.00	0.0001	21840	12.33	11.49	13.46	5.62
13L1202N	13N	G010YR24HR	13.63	61.19	61.00	0.0002	47556	12.33	23.74	13.97	7.81
13L1202N	13N	G025YR24HR	13.99	61.94	61.00	0.0003	67279	12.33	32.86	14.33	7.91
13L1202N	13N	G100YR24HR	14.46	63.01	61.00	0.0003	87101	12.33	49.22	14.50	8.01
13L1203N	GEE	G002YR24HR	12.96	58.82	60.65	0.0010	192	12.94	6.45	12.96	6.45
13L1203N	GEE	G010YR24HR	13.63	61.19	60.65	0.0013	3778	12.64	9.64	13.03	8.84
13L1203N	GEE	G025YR24HR	13.99	61.93	60.65	0.0008	5480	12.40	10.79	13.03	8.96
13L1203N	GEE	G100YR24HR	14.46	63.01	60.65	0.0009	7014	12.31	12.29	13.24	9.07
13L1400N	13L	G002YR24HR	24.33	52.27	53.95	0.0001	9239	14.74	136.94	14.76	136.78
13L1400N	13L	G010YR24HR	24.60	53.39	53.95	0.0001	10166	14.84	277.48	14.85	277.25
13L1400N	13L	G025YR24HR	25.37	54.13	53.95	0.0001	10178	14.77	359.02	14.47	361.25
13L1400N	13L	G100YR24HR	25.98	55.20	53.95	0.0002	10194	14.08	495.27	14.14	496.31
13L1600N	13L	G002YR24HR	15.45	52.57	53.95	0.0001	4739	14.73	136.99	14.74	136.94
13L1600N	13L	G010YR24HR	15.42	53.79	53.95	0.0001	4795	14.84	277.59	14.84	277.48
13L1600N	13L	G025YR24HR	15.04	54.35	53.95	0.0002	4799	14.76	359.06	14.77	359.02
13L1600N	13L	G100YR24HR	24.35	55.45	53.95	0.0002	4806	14.08	495.38	14.08	495.27
13L1825N	13L	G002YR24HR	12.72	54.77	57.35	0.0002	10743	12.69	234.19	12.72	234.12
13L1825N	13L	G010YR24HR	12.54	55.71	57.35	0.0018	13053	12.25	376.54	12.79	379.20
13L1825N	13L	G025YR24HR	12.83	56.21	57.35	0.0019	14198	12.74	461.05	12.79	460.45
13L1825N	13L	G100YR24HR	13.11	57.15	57.35	0.0020	15640	12.56	575.40	12.58	572.53
13L1875P	13L	G002YR24HR	12.75	55.14	58.15	0.0003	167135	12.25	189.63	12.91	154.20
13L1875P	13L	G010YR24HR	13.06	56.10	58.15	0.0002	358914	12.17	296.63	13.31	275.76
13L1875P	13L	G025YR24HR	13.16	56.62	58.15	0.0003	477583	12.73	359.90	13.37	357.58
13L1875P	13L	G100YR24HR	13.13	57.22	58.15	0.0003	625870	12.55	539.37	13.19	465.21
13L1895P	13L	G002YR24HR	15.76	55.89	58.25	0.0002	76296	13.52	35.95	15.76	32.30
13L1895P	13L	G010YR24HR	14.64	56.74	58.25	0.0002	90257	12.15	51.97	19.76	37.59
13L1895P	13L	G025YR24HR	14.42	57.20	58.25	0.0002	97447	11.97	80.35	25.15	35.67
13L1895P	13L	G100YR24HR	14.80	58.09	58.25	0.0002	112616	12.27	53.29	11.69	27.44
13L1950P	13L	G002YR24HR	15.76	55.89	55.95	0.0003	1173484	12.55	242.84	15.67	92.87
13L1950P	13L	G010YR24HR	14.64	56.74	55.95	0.0003	1279780	12.64	477.38	14.83	204.05
13L1950P	13L	G025YR24HR	14.42	57.20	55.95	0.0003	1341573	12.48	655.42	14.96	254.26
13L1950P	13L	G100YR24HR	14.80	58.09	55.95	0.0002	1449447	12.25	854.75	15.11	325.63

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L1951P	GEE	G002YR24HR	14.81	56.35	0.00	0.0001	22038	12.08	7.86	14.81	0.53
13L1951P	GEE	G010YR24HR	14.65	56.74	0.00	0.0002	27636	12.08	13.22	12.52	6.41
13L1951P	GEE	G025YR24HR	14.43	57.20	0.00	0.0002	36788	12.08	16.98	12.34	11.91
13L1951P	GEE	G100YR24HR	14.80	58.10	0.00	0.0001	62665	12.08	23.55	12.18	20.70
13L1975P	13L	G002YR24HR	14.84	55.99	50.88	0.0047	341333	12.42	186.81	13.40	132.50
13L1975P	13L	G010YR24HR	14.63	56.75	50.88	0.0047	399559	12.60	314.78	12.78	274.47
13L1975P	13L	G025YR24HR	14.42	57.21	50.88	0.0047	445083	12.48	410.46	12.51	340.61
13L1975P	13L	G100YR24HR	14.79	58.10	50.88	0.0047	508691	12.36	549.46	12.25	376.57
13L2050P	13L	G002YR24HR	13.45	56.33	52.95	0.0012	165789	12.31	129.44	12.52	102.48
13L2050P	13L	G010YR24HR	12.74	56.89	52.95	0.0012	234443	12.37	246.81	12.67	213.54
13L2050P	13L	G025YR24HR	14.41	57.22	52.95	0.0012	263940	12.33	319.36	12.52	292.11
13L2050P	13L	G100YR24HR	14.79	58.10	52.95	0.0012	315216	12.33	437.46	12.40	409.64
13L2150N	13L	G002YR24HR	12.53	60.63	67.25	0.0004	539	12.53	93.91	12.53	93.91
13L2150N	13L	G010YR24HR	12.63	62.54	67.25	0.0006	495	12.62	144.85	12.63	144.85
13L2150N	13L	G025YR24HR	12.55	62.88	67.25	0.0007	494	12.55	152.14	12.55	152.14
13L2150N	13L	G100YR24HR	13.83	68.60	67.25	0.0007	446	13.82	243.83	13.83	243.83
13L2300P	13L	G002YR24HR	12.53	65.05	67.25	0.0002	28402	12.39	94.64	12.53	93.91
13L2300P	13L	G010YR24HR	12.62	66.18	67.25	0.0002	31915	12.29	155.50	12.62	144.85
13L2300P	13L	G025YR24HR	12.55	66.89	67.25	0.0003	39280	12.17	184.92	12.55	152.14
13L2300P	13L	G100YR24HR	13.83	68.82	67.25	0.0005	104732	13.42	259.58	13.82	243.83
13L2400N	13L	G002YR24HR	12.63	67.11	71.05	0.0008	544	12.62	86.78	12.62	86.78
13L2400N	13L	G010YR24HR	12.45	68.92	71.05	0.0008	147	12.44	137.16	12.45	137.16
13L2400N	13L	G025YR24HR	12.36	70.13	71.05	0.0010	147	12.17	154.00	12.18	153.99
13L2400N	13L	G100YR24HR	13.48	72.90	71.05	0.0012	72783	13.28	259.00	13.43	254.27
13L2520P	13L	G002YR24HR	12.17	75.55	78.95	0.0000	5445	12.17	21.56	12.17	21.49
13L2520P	13L	G010YR24HR	12.17	75.72	78.95	0.0001	5445	12.17	42.55	12.17	42.51
13L2520P	13L	G025YR24HR	12.17	75.83	78.95	0.0001	5445	12.17	57.91	12.17	57.91
13L2520P	13L	G100YR24HR	12.11	76.01	78.95	0.0001	5445	12.08	85.67	12.11	85.52
13L2540P	13L	G002YR24HR	12.33	73.22	78.95	0.0002	6534	12.08	10.03	12.33	7.06
13L2540P	13L	G010YR24HR	12.30	73.96	78.95	0.0003	6534	12.08	15.96	12.27	11.74
13L2540P	13L	G025YR24HR	12.21	74.26	78.95	0.0003	6534	12.08	20.12	12.20	16.89
13L2540P	13L	G100YR24HR	12.34	74.95	78.95	0.0004	6534	12.08	27.42	12.11	21.82
13L2560P	13L	G002YR24HR	12.18	82.32	88.95	0.0000	28314	12.08	26.85	12.18	26.54
13L2560P	13L	G010YR24HR	12.17	82.41	88.95	0.0000	28314	12.08	45.34	12.17	44.82
13L2560P	13L	G025YR24HR	12.16	82.47	88.95	0.0000	28314	12.08	58.32	12.16	57.64
13L2560P	13L	G100YR24HR	12.15	82.56	88.95	0.0000	28314	12.08	81.00	12.15	80.09
13L2700N	13L	G002YR24HR	12.56	71.27	74.35	-0.0013	2500	12.58	50.62	12.56	63.01
13L2700N	13L	G010YR24HR	12.93	72.63	74.35	0.0013	3234	12.87	118.43	12.89	118.22
13L2700N	13L	G025YR24HR	12.90	73.99	74.35	-0.0014	3929	12.60	174.02	12.62	173.21
13L2700N	13L	G100YR24HR	12.95	74.64	74.35	-0.0013	7413	12.40	268.91	12.40	268.21
13L2720P	13L	G002YR24HR	12.81	73.65	74.95	0.0001	19225	12.08	10.64	12.73	2.93
13L2720P	13L	G010YR24HR	13.17	74.67	74.95	0.0002	24684	12.08	18.30	12.44	2.86
13L2720P	13L	G025YR24HR	13.75	75.42	74.95	0.0003	27354	12.08	23.69	19.42	2.81
13L2720P	13L	G100YR24HR	12.81	76.15	74.95	0.0003	29282	12.08	33.11	12.81	8.67
13L2750P	13L	G002YR24HR	16.97	77.95	80.50	0.0002	83861	12.17	53.08	16.97	2.92
13L2750P	13L	G010YR24HR	12.88	78.41	80.50	0.0003	87314	12.17	85.97	12.88	38.43

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L2750P	13L	G025YR24HR	12.58	78.68	80.50	0.0003	89417	12.17	109.02	12.58	72.92
13L2750P	13L	G100YR24HR	12.38	79.02	80.50	0.0003	92081	12.17	149.39	12.38	130.00
13L2800N	13L	G002YR24HR	15.48	72.43	77.75	0.0006	4443	15.46	46.21	15.53	46.22
13L2800N	13L	G010YR24HR	12.96	73.20	77.75	0.0006	4892	13.57	74.33	13.60	74.55
13L2800N	13L	G025YR24HR	12.97	74.27	77.75	0.0006	5363	13.18	93.86	13.21	93.97
13L2800N	13L	G100YR24HR	12.99	75.01	77.75	0.0006	6583	13.01	148.16	13.01	148.18
13L3000N	13L	G002YR24HR	15.46	74.28	77.95	0.0004	4125	15.49	46.21	15.46	46.21
13L3000N	13L	G010YR24HR	13.59	74.96	77.95	0.0004	4280	13.57	74.33	13.57	74.33
13L3000N	13L	G025YR24HR	13.19	75.42	77.95	0.0004	4358	13.18	93.87	13.18	93.86
13L3000N	13L	G100YR24HR	13.00	77.54	77.95	0.0004	5060	12.94	148.42	13.01	148.16
13L3100N	13L	G002YR24HR	15.50	74.91	80.75	0.0005	5798	15.46	46.00	15.50	46.00
13L3100N	13L	G010YR24HR	13.60	75.56	80.75	0.0005	5633	13.56	73.71	13.61	73.70
13L3100N	13L	G025YR24HR	13.19	75.98	80.75	0.0005	5703	13.17	92.85	13.19	92.83
13L3100N	13L	G100YR24HR	13.00	77.75	80.75	0.0005	5268	12.78	147.98	12.97	146.36
13L3140P	13L	G002YR24HR	13.66	82.67	84.55	0.0001	184710	12.25	60.52	13.64	13.11
13L3140P	13L	G010YR24HR	13.53	83.46	84.55	0.0001	201234	12.17	102.28	13.51	24.08
13L3140P	13L	G025YR24HR	13.51	84.00	84.55	0.0002	213286	12.17	131.82	13.51	31.21
13L3140P	13L	G100YR24HR	12.88	84.51	84.55	0.0002	229348	12.17	183.48	12.88	87.93
13M0300N	13M	G002YR24HR	24.84	52.08	54.55	0.0001	7079	14.76	20.95	14.84	20.88
13M0300N	13M	G010YR24HR	27.87	53.43	54.55	0.0001	8158	14.54	35.52	14.59	35.26
13M0300N	13M	G025YR24HR	30.42	54.40	54.55	0.0001	11402	13.88	39.86	14.05	39.26
13M0300N	13M	G100YR24HR	37.18	55.62	54.55	0.0001	15336	46.98	42.35	47.34	42.52
13M0850N	13M	G002YR24HR	12.22	52.41	57.28	-0.0020	730	12.21	52.06	12.21	52.04
13M0850N	13M	G010YR24HR	12.19	53.67	57.28	-0.0020	629	12.18	76.26	12.19	76.24
13M0850N	13M	G025YR24HR	27.10	54.62	57.28	-0.0020	488	12.11	81.01	12.12	81.00
13M0850N	13M	G100YR24HR	36.16	55.93	57.28	-0.0020	452	12.16	86.55	12.17	86.55
13M0950N	13M	G002YR24HR	12.21	54.39	56.26	-0.0019	683	12.21	49.70	12.21	49.69
13M0950N	13M	G010YR24HR	12.20	55.25	56.26	-0.0021	557	12.19	72.13	12.20	72.13
13M0950N	13M	G025YR24HR	12.16	55.67	56.26	0.0029	458	12.27	75.56	12.29	75.66
13M0950N	13M	G100YR24HR	12.20	56.46	56.26	-0.0019	458	12.29	79.34	12.31	79.40
13M0970N	13M	G002YR24HR	12.19	55.35	55.81	0.0013	436	12.12	11.83	12.17	11.55
13M0970N	13M	G010YR24HR	12.16	57.03	55.81	0.0014	436	12.09	16.28	12.12	15.78
13M0970N	13M	G025YR24HR	12.13	57.42	55.81	0.0014	436	11.97	16.91	12.01	15.85
13M0970N	13M	G100YR24HR	12.16	57.79	55.81	0.0013	436	11.86	17.01	11.89	15.76
13M0990P	13M	G002YR24HR	12.12	58.17	57.95	0.0001	10890	12.08	14.84	12.12	14.22
13M0990P	13M	G010YR24HR	12.11	58.30	57.95	0.0001	10890	12.08	24.21	12.09	23.64
13M0990P	13M	G025YR24HR	12.11	58.40	57.95	0.0001	10890	12.08	30.77	12.11	29.74
13M0990P	13M	G100YR24HR	12.10	58.54	57.95	0.0001	10890	12.08	42.25	12.10	41.39
13M1100N	13M	G002YR24HR	12.23	54.68	56.35	0.0006	2436	12.21	27.93	12.26	28.03
13M1100N	13M	G010YR24HR	12.29	56.36	56.35	0.0012	35070	12.13	41.61	12.36	41.41
13M1100N	13M	G025YR24HR	12.44	56.82	56.35	0.0012	46879	12.14	57.58	12.79	48.21
13M1100N	13M	G100YR24HR	12.57	57.72	56.35	0.0013	62374	12.14	80.84	12.50	63.38
13M1200N	13M	G002YR24HR	12.23	55.48	56.85	0.0002	2835	12.19	26.12	12.23	25.93
13M1200N	13M	G010YR24HR	12.29	56.46	56.85	0.0006	4600	12.09	37.75	12.25	35.82
13M1200N	13M	G025YR24HR	12.43	56.88	56.85	0.0007	5335	12.14	46.06	17.98	44.70
13M1200N	13M	G100YR24HR	12.56	57.76	56.85	0.0007	13075	12.18	62.00	12.43	57.39

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M1400N	13M	G002YR24HR	12.21	56.12	58.58	0.0002	4653	12.14	23.80	12.21	23.18
13M1400N	13M	G010YR24HR	12.28	56.65	58.58	0.0003	5311	12.09	34.50	12.10	32.30
13M1400N	13M	G025YR24HR	12.41	56.98	58.58	0.0003	5897	12.14	41.34	12.15	39.53
13M1400N	13M	G100YR24HR	12.54	57.85	58.58	0.0003	8102	12.20	57.91	12.35	54.60
13M1500N	13M	G002YR24HR	12.17	56.67	58.65	0.0002	4687	12.09	20.03	12.16	19.09
13M1500N	13M	G010YR24HR	12.28	57.05	58.65	0.0002	5092	12.08	27.53	20.15	26.72
13M1500N	13M	G025YR24HR	12.39	57.31	58.65	0.0002	5435	19.58	38.90	19.62	38.89
13M1500N	13M	G100YR24HR	12.50	58.05	58.65	0.0003	6586	13.29	48.84	13.29	49.01
13M1520P	13M	G002YR24HR	12.11	61.37	61.45	0.0003	4356	12.08	11.19	12.11	10.89
13M1520P	13M	G010YR24HR	12.34	61.63	61.45	-0.0004	38302	12.08	18.20	11.93	12.80
13M1520P	13M	G025YR24HR	12.41	61.82	61.45	-0.0005	41455	12.08	23.10	12.41	13.81
13M1520P	13M	G100YR24HR	12.35	62.03	61.45	-0.0004	44797	12.08	31.69	12.35	21.27
13M1600N	13M	G002YR24HR	24.53	56.73	61.04	0.0003	694	24.24	8.87	24.31	8.87
13M1600N	13M	G010YR24HR	21.19	57.80	61.04	0.0003	629	21.13	25.81	21.31	25.81
13M1600N	13M	G025YR24HR	19.82	58.81	61.04	-0.0005	526	19.79	37.55	20.05	37.55
13M1600N	13M	G100YR24HR	22.15	60.12	61.04	-0.0062	449	19.21	44.51	19.20	44.50
13M1925P	13M	G002YR24HR	12.86	63.39	66.95	0.0002	21780	12.08	23.42	12.86	8.11
13M1925P	13M	G010YR24HR	12.88	64.93	66.95	0.0003	21780	12.08	37.09	12.88	12.36
13M1925P	13M	G025YR24HR	12.94	66.13	66.95	0.0004	21780	12.08	46.71	12.94	14.13
13M1925P	13M	G100YR24HR	12.69	67.62	66.95	0.0006	26129	12.08	63.59	12.69	28.72
13M2317N	13M	G002YR24HR	13.19	59.74	0.00	-0.0013	2996	13.13	35.98	13.19	29.74
13M2317N	13M	G010YR24HR	13.21	59.98	0.00	-0.0011	2761	12.38	36.30	13.48	33.05
13M2317N	13M	G025YR24HR	16.68	60.10	0.00	0.0008	2469	12.23	36.40	12.88	34.82
13M2317N	13M	G100YR24HR	17.33	61.52	0.00	-0.0011	2229	12.06	36.43	12.68	34.95
13M2318N	13M	G002YR24HR	13.13	60.18	0.00	0.0019	2381	14.07	31.63	13.13	35.98
13M2318N	13M	G010YR24HR	12.38	60.19	0.00	0.0013	2339	13.04	32.80	12.38	36.30
13M2318N	13M	G025YR24HR	12.23	60.20	0.00	0.0010	2380	12.88	34.19	12.23	36.40
13M2318N	13M	G100YR24HR	16.36	61.75	0.00	0.0011	2194	12.72	35.58	12.06	36.43
13M2319N	13M	G002YR24HR	14.07	60.30	0.00	0.0021	2533	13.15	28.00	14.07	31.63
13M2319N	13M	G010YR24HR	13.05	60.35	0.00	0.0017	2531	13.02	32.80	13.04	32.80
13M2319N	13M	G025YR24HR	12.91	60.41	0.00	0.0017	2529	12.87	34.19	12.88	34.19
13M2319N	13M	G100YR24HR	16.29	61.81	0.00	0.0013	2336	12.71	35.59	12.72	35.58
13M2320N	13M	G002YR24HR	14.07	60.54	0.00	0.0003	2491	13.47	27.70	13.15	28.00
13M2320N	13M	G010YR24HR	13.04	60.70	0.00	-0.0002	2486	12.99	32.81	13.02	32.80
13M2320N	13M	G025YR24HR	12.89	60.76	0.00	-0.0002	2483	12.84	34.21	12.87	34.19
13M2320N	13M	G100YR24HR	16.19	61.91	0.00	-0.0002	2332	12.68	35.59	12.71	35.59
13M2330P	13M	G002YR24HR	13.40	69.09	68.00	0.0002	60445	12.38	38.50	15.44	16.50
13M2330P	13M	G010YR24HR	12.90	70.05	68.00	0.0004	88192	12.12	79.69	12.90	46.17
13M2330P	13M	G025YR24HR	12.75	70.37	68.00	0.0005	97342	12.08	102.03	12.75	75.02
13M2330P	13M	G100YR24HR	12.64	70.82	68.00	0.0004	110317	12.21	146.18	12.64	125.91
13M2331N	13M	G002YR24HR	13.40	69.08	0.00	0.0004	5337	12.12	22.24	12.13	22.22
13M2331N	13M	G010YR24HR	12.90	70.05	0.00	0.0004	12119	12.10	38.12	12.06	36.51
13M2331N	13M	G025YR24HR	12.75	70.37	0.00	0.0005	14347	12.09	49.30	12.08	41.50
13M2331N	13M	G100YR24HR	12.64	70.82	0.00	0.0004	17496	12.09	68.94	12.11	55.99
13M2332P	13M	G002YR24HR	12.17	74.04	74.45	0.0001	6359	12.08	13.08	12.17	12.71
13M2332P	13M	G010YR24HR	12.16	74.26	74.45	0.0001	6622	12.08	21.60	12.16	21.14
13M2332P	13M	G025YR24HR	12.14	74.38	74.45	0.0001	6985	12.08	27.57	12.14	27.05

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M2332P	13M	G100YR24HR	12.13	74.55	74.45	0.0001	7624	12.08	38.01	12.13	37.43
13M2333N	13M	G002YR24HR	13.47	67.34	0.00	0.0005	2192	13.32	27.76	13.47	27.70
13M2333N	13M	G010YR24HR	12.99	68.59	0.00	0.0004	2193	12.76	32.98	12.99	32.81
13M2333N	13M	G025YR24HR	12.84	68.97	0.00	0.0004	2193	12.61	34.43	12.84	34.21
13M2333N	13M	G100YR24HR	12.68	69.36	0.00	0.0004	2182	12.35	36.20	12.68	35.59
13M2334N	13M	G002YR24HR	13.38	69.12	67.86	0.0094	448	12.68	29.97	12.69	29.83
13M2334N	13M	G010YR24HR	12.89	70.11	67.86	0.0094	448	12.62	54.66	12.62	54.56
13M2334N	13M	G025YR24HR	12.74	70.44	67.86	0.0094	448	12.59	73.40	12.59	73.34
13M2334N	13M	G100YR24HR	12.63	70.92	67.86	0.0094	448	12.56	105.80	12.56	105.77
13M2335N	13M	G002YR24HR	12.80	70.58	70.00	0.0041	26649	12.60	28.24	12.77	27.42
13M2335N	13M	G010YR24HR	12.71	70.89	70.00	0.0041	33321	12.58	51.06	12.69	49.96
13M2335N	13M	G025YR24HR	12.66	71.08	70.00	0.0041	38230	12.54	68.42	12.66	67.02
13M2335N	13M	G100YR24HR	12.63	71.36	70.00	0.0041	45609	12.51	98.45	12.63	96.51
13M2340P	13M	G002YR24HR	12.74	71.33	70.95	0.0001	107781	12.25	39.65	12.73	25.34
13M2340P	13M	G010YR24HR	12.67	71.66	70.95	0.0001	123760	12.25	65.84	12.66	45.70
13M2340P	13M	G025YR24HR	12.63	71.84	70.95	0.0001	137904	12.25	84.23	12.62	61.01
13M2340P	13M	G100YR24HR	12.59	72.09	70.95	0.0001	157936	12.25	116.40	12.58	87.51
13N0050P	13N	G002YR24HR	25.50	54.29	60.00	0.0001	73102	12.08	21.38	0.00	0.00
13N0050P	13N	G010YR24HR	25.50	55.62	60.00	0.0001	83542	12.08	40.41	0.00	0.00
13N0050P	13N	G025YR24HR	25.50	56.47	60.00	0.0002	98551	12.08	54.14	0.00	0.00
13N0050P	13N	G100YR24HR	25.50	57.82	60.00	0.0003	167309	12.08	78.35	0.00	0.00
13N0100P	13N	G002YR24HR	14.04	53.66	55.50	0.0002	90398	12.08	26.99	12.55	6.30
13N0100P	13N	G010YR24HR	13.88	54.38	55.50	0.0002	97965	12.08	49.52	12.14	18.95
13N0100P	13N	G025YR24HR	14.03	54.96	55.50	0.0002	104119	12.08	65.62	12.08	22.45
13N0100P	13N	G100YR24HR	14.04	55.45	55.50	0.0002	112048	12.08	93.90	12.09	28.23
13N0150N	13N	G002YR24HR	14.08	52.74	56.67	0.0003	837	14.04	8.64	14.07	8.64
13N0150N	13N	G010YR24HR	13.89	53.75	56.67	0.0005	545	13.86	17.34	13.88	17.34
13N0150N	13N	G025YR24HR	13.98	54.09	56.67	0.0004	537	14.09	20.30	14.11	20.30
13N0150N	13N	G100YR24HR	26.83	55.14	56.67	0.0003	457	12.53	20.70	12.52	20.57
13N0200P	13N	G002YR24HR	0.00	54.01	56.00	-0.0003	70576	12.49	5.55	0.00	0.00
13N0200P	13N	G010YR24HR	13.86	54.39	56.00	-0.0003	82686	12.08	22.61	13.86	0.12
13N0200P	13N	G025YR24HR	14.02	54.97	56.00	-0.0003	108972	12.09	32.26	14.02	1.16
13N0200P	13N	G100YR24HR	14.03	55.45	56.00	-0.0003	121421	12.10	55.88	14.03	15.02
13N0250N	13N	G002YR24HR	14.13	52.27	56.50	0.0002	3157	14.07	8.64	14.13	8.63
13N0250N	13N	G010YR24HR	26.30	53.32	56.50	0.0003	2857	13.88	17.46	14.38	17.52
13N0250N	13N	G025YR24HR	26.74	54.08	56.50	0.0003	2228	14.04	21.45	14.03	21.51
13N0250N	13N	G100YR24HR	26.77	55.14	56.50	0.0002	2228	13.74	33.96	13.73	33.89
13N0300N	13N	G002YR24HR	25.72	52.20	56.00	-0.0014	5527	12.59	44.06	12.62	43.96
13N0300N	13N	G010YR24HR	25.18	53.38	56.00	-0.0014	6450	12.43	67.19	12.46	67.05
13N0300N	13N	G025YR24HR	26.14	54.12	56.00	-0.0014	8200	15.40	82.48	15.44	82.17
13N0300N	13N	G100YR24HR	26.62	55.16	56.00	-0.0014	14296	15.32	115.77	15.36	115.30
13N0301P	13N	G002YR24HR	13.50	58.25	58.60	0.0001	67027	12.33	17.60	13.50	6.10
13N0301P	13N	G010YR24HR	12.85	58.56	58.60	0.0001	83586	12.33	31.62	12.85	19.68
13N0301P	13N	G025YR24HR	12.84	58.76	58.60	0.0001	101342	12.25	41.71	12.49	26.20
13N0301P	13N	G100YR24HR	12.87	59.12	58.60	0.0001	133639	12.25	59.43	12.85	35.43
13N0350N	13N	G002YR24HR	12.59	53.18	56.00	0.0001	8899	12.52	44.38	12.58	44.06

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13N0350N	13N	G010YR24HR	12.43	53.68	56.00	0.0002	9501	12.36	67.35	12.42	66.96
13N0350N	13N	G025YR24HR	24.50	54.22	56.00	0.0002	10320	15.37	82.00	15.40	81.99
13N0350N	13N	G100YR24HR	24.54	55.44	56.00	0.0002	16766	15.33	115.38	15.32	115.37
13N0400N	13N	G002YR24HR	12.57	53.66	57.88	0.0002	7199	12.48	37.63	12.56	37.11
13N0400N	13N	G010YR24HR	12.42	54.17	57.88	0.0002	7724	14.04	57.22	14.06	57.25
13N0400N	13N	G025YR24HR	14.21	54.53	57.88	0.0002	8553	14.08	76.33	14.11	76.14
13N0400N	13N	G100YR24HR	24.31	55.55	57.88	0.0002	12252	15.81	99.73	15.91	99.78
13N0600N	13N	G002YR24HR	12.56	53.77	57.88	0.0002	6094	12.42	38.94	12.48	37.63
13N0600N	13N	G010YR24HR	12.37	54.61	57.88	0.0003	5470	12.17	59.26	14.04	57.22
13N0600N	13N	G025YR24HR	14.18	55.38	57.88	0.0004	12249	14.17	78.06	14.08	76.33
13N0600N	13N	G100YR24HR	15.80	56.57	57.88	0.0004	20474	15.79	101.11	15.81	99.73
13N0601N	13N	G002YR24HR	12.62	57.52	0.00	0.0004	3367	12.55	27.59	12.62	27.27
13N0601N	13N	G010YR24HR	12.67	58.57	0.00	0.0005	2441	12.62	42.22	12.72	42.23
13N0601N	13N	G025YR24HR	13.48	59.47	0.00	-0.0010	2253	12.17	41.68	12.69	41.29
13N0601N	13N	G100YR24HR	14.23	60.18	0.00	-0.0008	2253	12.01	41.40	12.59	39.27
13N0700P	13N	G002YR24HR	12.33	54.29	58.00	0.0001	52025	12.08	11.42	12.33	7.97
13N0700P	13N	G010YR24HR	12.32	54.39	58.00	0.0001	63893	12.08	17.87	12.32	12.75
13N0700P	13N	G025YR24HR	12.30	54.45	58.00	0.0001	70595	12.08	22.42	12.30	16.36
13N0700P	13N	G100YR24HR	24.54	55.44	58.00	0.0002	132211	12.08	30.42	12.28	23.01
13N0750P	13N	G002YR24HR	25.50	53.16	57.00	0.0000	110071	12.08	10.79	0.00	0.00
13N0750P	13N	G010YR24HR	25.50	53.50	57.00	0.0000	116678	12.08	17.22	0.00	0.00
13N0750P	13N	G025YR24HR	25.50	53.74	57.00	0.0001	117693	12.08	21.74	0.00	0.00
13N0750P	13N	G100YR24HR	32.08	54.95	57.00	0.0001	121466	12.08	29.66	0.00	0.00
13N0800P	13N	G002YR24HR	24.60	53.85	58.00	-0.0163	35532	12.08	10.23	24.45	0.32
13N0800P	13N	G010YR24HR	21.59	55.25	58.00	-0.0163	45159	12.08	19.25	21.49	1.85
13N0800P	13N	G025YR24HR	15.01	55.34	58.00	-0.0163	46160	12.08	25.26	15.01	7.61
13N0800P	13N	G100YR24HR	13.07	55.47	58.00	-0.0163	47611	12.08	35.90	13.07	19.03
13N0805N	13N	G002YR24HR	24.64	53.57	0.00	0.0005	120	24.45	0.32	24.64	0.32
13N0805N	13N	G010YR24HR	24.17	54.67	0.00	0.0007	120	17.13	0.50	17.04	0.49
13N0805N	13N	G025YR24HR	24.25	54.90	0.00	0.0005	120	13.91	0.53	14.00	0.52
13N0805N	13N	G100YR24HR	25.06	55.35	0.00	0.0003	120	12.58	0.53	12.77	0.51
13N0810N	13N	G002YR24HR	25.43	52.23	0.00	0.0003	123	24.64	0.32	24.78	0.32
13N0810N	13N	G010YR24HR	25.13	53.49	0.00	0.0005	114	17.04	0.49	17.05	0.49
13N0810N	13N	G025YR24HR	26.08	54.18	0.00	0.0004	114	14.00	0.52	13.92	0.51
13N0810N	13N	G100YR24HR	26.50	55.18	0.00	0.0002	114	12.77	0.51	12.71	0.50
13N0900P	13N	G002YR24HR	24.59	53.85	57.00	0.0029	45089	12.08	14.82	12.82	1.43
13N0900P	13N	G010YR24HR	21.48	55.25	57.00	0.0029	56533	12.08	27.58	12.81	3.99
13N0900P	13N	G025YR24HR	14.95	55.46	57.00	0.0029	59661	12.08	36.96	14.92	6.28
13N0900P	13N	G100YR24HR	13.74	56.16	57.00	0.0029	81381	12.08	53.79	13.77	15.62
13P0400N	13P	G002YR24HR	12.09	55.57	58.87	0.0001	252	12.08	3.81	12.09	3.80
13P0400N	13P	G010YR24HR	12.09	55.74	58.87	0.0001	269	12.08	6.86	12.08	6.85
13P0400N	13P	G025YR24HR	12.09	55.83	58.87	0.0001	277	12.08	9.04	12.08	9.02
13P0400N	13P	G100YR24HR	12.08	55.98	58.87	0.0001	288	12.08	12.85	12.08	12.83
13P0450N	13P	G002YR24HR	0.00	54.10	0.00	-0.0005	5014	12.09	3.80	0.00	5.37
13P0450N	13P	G010YR24HR	12.11	54.11	0.00	-0.0005	5313	12.08	6.85	12.19	6.86
13P0450N	13P	G025YR24HR	12.11	54.14	0.00	-0.0005	5475	12.08	9.02	12.15	8.87
13P0450N	13P	G100YR24HR	26.85	55.14	0.00	-0.0005	18912	12.08	12.83	12.14	12.23

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P0500P	13P	G002YR24HR	12.49	60.38	65.25	0.0002	91222	12.10	81.83	12.49	66.75
13P0500P	13P	G010YR24HR	12.44	60.90	65.25	0.0002	125320	12.17	143.64	12.44	118.24
13P0500P	13P	G025YR24HR	12.40	61.20	65.25	0.0002	141430	12.08	198.06	12.40	155.09
13P0500P	13P	G100YR24HR	12.36	61.62	65.25	0.0002	164474	12.08	275.40	12.36	218.69
13P0501N	GEE	G002YR24HR	13.49	71.14	0.00	0.0002	21692	12.08	9.47	13.49	1.10
13P0501N	GEE	G010YR24HR	12.31	71.30	0.00	0.0002	24182	12.08	16.04	12.31	11.76
13P0501N	GEE	G025YR24HR	12.17	71.37	0.00	0.0002	25340	12.08	20.66	12.17	18.70
13P0501N	GEE	G100YR24HR	12.12	71.45	0.00	0.0001	26597	12.08	28.72	12.12	27.36
13P0800N	13P	G002YR24HR	12.44	65.12	69.18	0.0002	1205	12.43	37.51	12.43	37.50
13P0800N	13P	G010YR24HR	12.41	65.56	69.18	0.0002	1336	12.38	51.46	12.38	51.46
13P0800N	13P	G025YR24HR	12.37	65.82	69.18	0.0003	1408	12.35	60.11	12.37	60.09
13P0800N	13P	G100YR24HR	12.36	66.30	69.18	0.0002	1510	12.34	75.95	12.36	75.88
13P0900N	13P	G002YR24HR	12.50	68.12	70.15	0.0002	1109	12.46	36.61	12.47	36.61
13P0900N	13P	G010YR24HR	12.42	68.26	70.15	0.0001	1147	12.42	49.89	12.42	49.87
13P0900N	13P	G025YR24HR	12.42	68.37	70.15	0.0001	1206	12.42	58.01	12.42	58.00
13P0900N	13P	G100YR24HR	12.41	68.57	70.15	0.0001	1458	12.41	72.75	12.42	72.75
13P0950N	13P	G002YR24HR	12.73	70.56	0.00	0.0002	15046	12.26	29.77	12.74	23.27
13P0950N	13P	G010YR24HR	12.99	72.05	0.00	0.0003	19941	12.18	42.60	13.14	29.03
13P0950N	13P	G025YR24HR	13.16	73.03	0.00	0.0004	19940	12.14	47.51	13.75	31.84
13P0950N	13P	G100YR24HR	13.45	74.29	0.00	0.0004	19940	12.17	55.53	14.98	35.28
13P1000N	13P	G002YR24HR	12.70	70.65	71.25	0.0002	14808	12.25	33.46	12.26	29.77
13P1000N	13P	G010YR24HR	12.99	72.05	71.25	0.0002	27954	12.25	57.06	12.18	42.60
13P1000N	13P	G025YR24HR	13.16	73.03	71.25	0.0003	32748	12.25	73.48	12.14	47.51
13P1000N	13P	G100YR24HR	13.45	74.29	71.25	0.0004	54650	12.17	97.03	12.17	55.53
13P1200N	13P	G002YR24HR	12.32	72.50	74.95	0.0003	9625	12.12	17.02	12.31	15.72
13P1200N	13P	G010YR24HR	12.32	73.05	74.95	0.0003	11383	12.12	28.90	12.32	26.90
13P1200N	13P	G025YR24HR	12.34	73.41	74.95	0.0003	12629	12.13	37.39	12.34	34.74
13P1200N	13P	G100YR24HR	13.43	74.76	74.95	0.0003	29414	12.11	50.55	12.17	42.13
13P1250N	GEE	G002YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G010YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G025YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G100YR24HR	14.38	74.66	0.00	0.0003	24891	13.43	8.15	0.00	0.00
13P1300N	13P	G002YR24HR	12.31	73.71	77.05	0.0015	1287	12.28	9.20	12.31	9.19
13P1300N	13P	G010YR24HR	12.33	74.15	77.05	0.0015	2312	12.30	16.18	12.34	16.16
13P1300N	13P	G025YR24HR	12.36	74.44	77.05	0.0015	4903	12.30	21.52	12.37	21.40
13P1300N	13P	G100YR24HR	13.40	75.16	77.05	0.0015	14804	12.30	31.35	12.35	27.92
13P1400N	13P	G002YR24HR	12.54	74.81	78.15	-0.0003	2797	12.38	7.11	12.40	7.05
13P1400N	13P	G010YR24HR	12.45	75.12	78.15	-0.0003	2966	12.38	12.67	12.42	12.58
13P1400N	13P	G025YR24HR	12.44	75.35	78.15	-0.0003	3070	12.39	17.01	12.43	16.94
13P1400N	13P	G100YR24HR	13.34	75.72	78.15	-0.0003	3257	12.41	25.16	12.44	25.02
13P1600N	13P	G002YR24HR	12.39	75.64	79.28	0.0003	2786	12.35	7.14	12.38	7.11
13P1600N	13P	G010YR24HR	12.39	75.93	79.28	0.0003	2877	12.34	12.73	12.38	12.67
13P1600N	13P	G025YR24HR	12.40	76.14	79.28	0.0003	2933	12.35	17.07	12.39	17.01
13P1600N	13P	G100YR24HR	12.43	76.50	79.28	0.0003	3022	12.38	25.24	12.41	25.16
13P1650N	13P	G002YR24HR	12.36	75.91	79.65	-0.0005	2143	12.33	7.17	12.35	7.14
13P1650N	13P	G010YR24HR	12.36	76.27	79.65	-0.0005	2600	12.32	12.79	12.34	12.73

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P1650N	13P	G025YR24HR	12.37	76.51	79.65	-0.0005	2886	12.33	17.16	12.35	17.07
13P1650N	13P	G100YR24HR	12.40	76.91	79.65	-0.0005	3327	12.33	25.38	12.38	25.24
13P1700N	13P	G002YR24HR	12.68	76.32	80.35	-0.0001	2787	12.64	4.71	12.70	4.71
13P1700N	13P	G010YR24HR	12.55	76.63	80.35	0.0001	2905	12.59	8.29	12.65	8.35
13P1700N	13P	G025YR24HR	12.57	76.88	80.35	0.0001	2993	12.64	11.72	12.69	11.81
13P1700N	13P	G100YR24HR	13.29	77.46	80.35	0.0002	3186	13.26	22.96	13.30	22.94
13P1800P	13P	G002YR24HR	12.64	76.95	85.95	0.0000	100732	12.08	19.61	12.64	10.22
13P1800P	13P	G010YR24HR	12.58	77.17	85.95	0.0001	101753	12.09	35.21	12.59	19.91
13P1800P	13P	G025YR24HR	12.61	77.40	85.95	0.0001	102792	12.09	50.95	12.62	30.86
13P1800P	13P	G100YR24HR	13.27	78.01	85.95	0.0001	107500	12.09	80.57	13.66	54.86
13P1810P	13P	G002YR24HR	25.50	81.14	87.00	0.0016	37380	12.08	21.87	12.08	1.45
13P1810P	13P	G010YR24HR	24.38	82.97	87.00	0.0016	47458	12.08	36.39	12.08	2.22
13P1810P	13P	G025YR24HR	24.25	83.87	87.00	0.0016	52795	12.08	46.57	12.08	2.67
13P1810P	13P	G100YR24HR	15.31	84.53	87.00	0.0016	57403	12.08	64.36	15.27	3.58
13P1811N	13P	G002YR24HR	0.00	82.50	87.00	-0.0066	2179	12.08	1.45	0.00	0.00
13P1811N	13P	G010YR24HR	24.38	82.97	87.00	-0.0066	2179	12.08	2.22	24.38	0.25
13P1811N	13P	G025YR24HR	24.25	83.87	87.00	-0.0066	2179	12.08	2.67	24.25	0.52
13P1811N	13P	G100YR24HR	15.32	84.50	87.00	-0.0066	2179	15.27	3.58	15.31	3.58
13P1812N	13P	G002YR24HR	0.00	81.70	87.00	0.0000	2190	0.00	0.00	0.00	0.00
13P1812N	13P	G010YR24HR	24.75	81.97	87.00	0.0000	2339	24.38	0.25	24.75	0.25
13P1812N	13P	G025YR24HR	24.45	82.08	87.00	0.0000	2364	24.25	0.52	24.45	0.52
13P1812N	13P	G100YR24HR	15.44	82.68	87.00	0.0000	2421	15.31	3.58	15.44	3.58
13P1813N	13P	G002YR24HR	0.00	81.40	86.00	-0.0009	2932	0.00	0.00	0.00	3.21
13P1813N	13P	G010YR24HR	0.00	81.40	86.00	-0.0009	2932	24.75	0.25	0.00	3.21
13P1813N	13P	G025YR24HR	0.00	81.40	86.00	-0.0009	2932	24.45	0.52	0.00	3.21
13P1813N	13P	G100YR24HR	15.73	81.41	86.00	-0.0009	3175	15.44	3.58	15.51	3.57
13P1814N	13P	G002YR24HR	16.35	78.55	87.50	0.0006	3549	16.33	34.92	16.35	34.92
13P1814N	13P	G010YR24HR	17.50	78.71	87.50	0.0006	5731	17.50	55.66	17.50	55.66
13P1814N	13P	G025YR24HR	16.00	78.76	87.50	0.0006	5746	15.99	66.55	16.00	66.55
13P1814N	13P	G100YR24HR	13.20	78.86	87.50	0.0006	5794	15.00	93.62	15.01	93.62
13P1815N	13P	G002YR24HR	16.36	76.90	83.79	0.0005	5955	16.35	34.92	16.35	34.92
13P1815N	13P	G010YR24HR	17.48	77.18	83.79	0.0005	6002	17.50	43.65	17.48	43.65
13P1815N	13P	G025YR24HR	16.05	77.29	83.79	0.0005	6008	16.00	47.09	15.93	47.08
13P1815N	13P	G100YR24HR	13.04	78.08	83.79	0.0005	5598	15.01	54.24	14.96	54.23
13P1820N	13P	G002YR24HR	16.33	81.62	89.60	0.0022	1684	16.30	34.38	16.33	34.38
13P1820N	13P	G010YR24HR	17.62	82.46	89.60	0.0022	1660	17.59	54.90	17.62	54.90
13P1820N	13P	G025YR24HR	16.15	82.86	89.60	0.0022	1460	16.23	65.05	16.15	65.05
13P1820N	13P	G100YR24HR	15.04	83.79	89.60	0.0022	606	15.12	88.21	15.04	88.21
13P1822N	13P	G002YR24HR	21.48	82.41	91.00	0.0005	1155	21.05	1.99	21.40	1.96
13P1822N	13P	G010YR24HR	17.63	82.63	91.00	0.0005	1192	17.06	2.96	17.35	2.96
13P1822N	13P	G025YR24HR	16.27	82.97	91.00	0.0006	1179	17.04	3.76	17.31	3.77
13P1822N	13P	G100YR24HR	15.12	83.91	91.00	0.0007	576	18.14	4.04	18.13	4.42
13P1824N	13P	G002YR24HR	21.05	83.31	88.00	0.0011	874	20.81	1.97	21.05	1.99
13P1824N	13P	G010YR24HR	17.06	83.47	88.00	0.0011	901	17.03	2.96	17.06	2.96
13P1824N	13P	G025YR24HR	17.04	83.59	88.00	0.0011	909	16.98	3.76	17.04	3.76
13P1824N	13P	G100YR24HR	15.13	84.07	88.00	0.0011	765	12.86	3.92	18.14	4.04

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P2010N	13P	G002YR24HR	16.32	84.28	90.05	-0.0059	561	12.48	9.42	13.02	21.40
13P2010N	13P	G010YR24HR	17.63	85.00	90.05	-0.0047	516	12.46	15.42	12.19	24.09
13P2010N	13P	G025YR24HR	16.11	85.37	90.05	-0.0051	515	12.46	19.51	11.99	23.03
13P2010N	13P	G100YR24HR	15.02	86.29	90.05	-0.0062	455	12.46	26.43	12.48	26.23
13P2050N	13P	G002YR24HR	12.49	85.44	90.05	0.0001	10213	12.17	10.98	12.48	9.42
13P2050N	13P	G010YR24HR	12.47	85.94	90.05	0.0001	11769	12.25	18.08	12.46	15.42
13P2050N	13P	G025YR24HR	12.46	86.25	90.05	0.0002	12754	12.22	22.97	12.46	19.51
13P2050N	13P	G100YR24HR	12.47	86.79	90.05	0.0002	14375	12.17	31.61	12.46	26.43
13P2200N	13P	G002YR24HR	12.49	85.44	87.35	0.0002	2223	0.00	0.00	12.93	0.38
13P2200N	13P	G010YR24HR	12.47	85.94	87.35	0.0003	2224	0.00	0.00	12.92	0.57
13P2200N	13P	G025YR24HR	12.46	86.25	87.35	0.0003	2217	0.00	0.00	12.92	0.70
13P2200N	13P	G100YR24HR	12.47	86.79	87.35	0.0003	2180	72.00	0.23	13.00	0.90
13P2300P	13P	G002YR24HR	15.19	89.47	92.00	0.0001	40426	12.08	20.12	12.08	4.56
13P2300P	13P	G010YR24HR	13.39	90.42	92.00	0.0002	48615	12.08	33.04	14.30	3.95
13P2300P	13P	G025YR24HR	13.39	91.09	92.00	0.0002	55010	12.08	42.08	14.91	5.16
13P2300P	13P	G100YR24HR	13.61	92.16	92.00	0.0003	66819	12.08	57.91	16.27	6.32
13P2350N	13P	G002YR24HR	15.16	89.43	91.94	0.0015	2181	12.08	4.56	12.10	2.95
13P2350N	13P	G010YR24HR	13.09	90.11	91.94	0.0015	2181	14.30	3.95	14.29	4.02
13P2350N	13P	G025YR24HR	13.01	90.61	91.94	0.0015	2181	14.91	5.16	14.86	5.27
13P2350N	13P	G100YR24HR	13.06	91.45	91.94	0.0015	2181	16.27	6.32	16.27	6.45
13P2400P	13P	G002YR24HR	15.15	89.43	92.30	-0.0100	53534	12.08	27.10	15.12	2.66
13P2400P	13P	G010YR24HR	13.07	90.09	92.30	-0.0100	63776	12.08	39.88	13.06	9.96
13P2400P	13P	G025YR24HR	12.99	90.58	92.30	-0.0100	71333	12.08	50.95	13.04	13.63
13P2400P	13P	G100YR24HR	13.04	91.41	92.30	-0.0100	84093	12.08	70.80	12.88	17.04
13P2410N	13P	G002YR24HR	15.16	89.41	93.17	-0.0051	2181	15.12	2.66	15.16	2.66
13P2410N	13P	G010YR24HR	13.09	89.76	93.17	-0.0051	2181	13.06	9.96	13.08	9.96
13P2410N	13P	G025YR24HR	12.98	89.97	93.17	-0.0051	2181	13.04	13.63	13.04	13.65
13P2410N	13P	G100YR24HR	13.49	90.50	93.17	-0.0051	2181	12.88	17.04	12.92	16.96
13P2420N	13P	G002YR24HR	15.29	88.17	93.17	0.0000	2741	15.16	2.66	15.24	2.66
13P2420N	13P	G010YR24HR	13.18	89.08	93.17	0.0002	2647	13.08	9.96	13.17	9.94
13P2420N	13P	G025YR24HR	12.95	89.51	93.17	0.0003	2337	13.04	13.65	13.02	13.74
13P2420N	13P	G100YR24HR	13.52	90.33	93.17	0.0002	2208	12.92	16.96	12.97	16.85
13P2620N	13P	G002YR24HR	72.00	85.88	89.95	0.0026	911	12.34	36.68	12.35	36.56
13P2620N	13P	G010YR24HR	72.00	86.74	89.95	0.0026	489	12.09	41.80	12.09	41.58
13P2620N	13P	G025YR24HR	72.00	87.31	89.95	0.0026	489	11.99	43.85	12.01	43.51
13P2620N	13P	G100YR24HR	24.57	88.27	89.95	0.0026	489	11.90	42.56	11.89	42.29
13P2640N	13P	G002YR24HR	12.37	87.62	89.95	0.0009	510	12.30	36.75	12.34	36.68
13P2640N	13P	G010YR24HR	12.10	88.76	89.95	0.0009	482	12.08	42.35	12.09	41.80
13P2640N	13P	G025YR24HR	12.08	89.65	89.95	0.0011	482	11.99	45.58	11.99	43.85
13P2640N	13P	G100YR24HR	15.59	90.02	89.95	0.0011	482	11.85	44.24	11.90	42.56
13P2643N	13P	G002YR24HR	12.10	89.61	91.95	0.0035	493	12.00	24.73	12.10	24.33
13P2643N	13P	G010YR24HR	12.09	90.83	91.95	0.0032	493	12.08	27.63	12.08	27.60
13P2643N	13P	G025YR24HR	12.08	90.89	91.95	0.0025	493	12.08	31.90	12.08	31.89
13P2643N	13P	G100YR24HR	12.08	90.92	91.95	0.0014	493	12.08	39.48	12.08	39.47
13P2644N	13P	G002YR24HR	12.09	92.63	92.95	0.0018	468	11.99	19.13	12.00	15.90
13P2644N	13P	G010YR24HR	12.08	92.82	92.95	0.0020	468	11.83	19.49	11.83	15.79
13P2644N	13P	G025YR24HR	13.63	92.92	92.95	0.0024	468	11.75	20.03	14.33	15.78

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P2644N	13P	G100YR24HR	12.53	93.17	92.95	0.0028	468	11.67	20.57	11.68	15.37
13P2646N	13P	G002YR24HR	12.09	92.61	92.95	0.0034	439	0.00	0.00	12.68	1.64
13P2646N	13P	G010YR24HR	12.08	92.80	92.95	0.0039	439	13.69	9.14	13.70	9.14
13P2646N	13P	G025YR24HR	13.66	92.92	92.95	0.0046	439	18.00	13.84	18.00	13.85
13P2646N	13P	G100YR24HR	12.55	93.16	92.95	0.0055	439	23.84	11.49	23.84	11.50
13P2660P	13P	G002YR24HR	12.79	87.74	88.95	0.0008	210609	12.08	45.11	13.42	17.71
13P2660P	13P	G010YR24HR	14.73	88.42	88.95	0.0007	354392	12.08	82.94	18.00	14.36
13P2660P	13P	G025YR24HR	16.90	89.05	88.95	0.0006	481440	12.08	110.20	25.00	14.89
13P2660P	13P	G100YR24HR	15.62	90.05	88.95	0.0002	686589	12.48	231.80	25.33	21.29
13P2661P	13P	G002YR24HR	23.77	89.63	89.05	0.0001	234818	12.08	21.16	23.77	0.86
13P2661P	13P	G010YR24HR	13.26	89.79	89.05	0.0001	273760	12.08	55.65	13.26	9.20
13P2661P	13P	G025YR24HR	12.80	89.95	89.05	0.0001	311382	12.08	83.27	12.80	25.93
13P2661P	13P	G100YR24HR	12.48	90.14	89.05	0.0001	357856	12.08	135.05	12.48	75.82
13P3100P	GEE	G002YR24HR	0.00	0.00	0.00	0.0000	9	12.07	12.76	0.00	0.00
13P3100P	GEE	G010YR24HR	0.00	0.00	0.00	0.0000	9	12.06	17.18	0.00	0.00
13P3100P	GEE	G025YR24HR	0.00	0.00	0.00	0.0000	9	12.07	20.89	0.00	0.00
13P3100P	GEE	G100YR24HR	0.00	0.00	0.00	0.0000	9	12.09	27.47	0.00	0.00
13P3120N	GEE	G002YR24HR	12.07	91.64	94.44	0.0005	168	12.02	12.82	12.05	12.77
13P3120N	GEE	G010YR24HR	12.06	92.83	94.44	0.0006	143	12.04	17.22	12.05	17.19
13P3120N	GEE	G025YR24HR	12.07	93.85	94.44	0.0007	143	12.05	20.93	12.06	20.89
13P3120N	GEE	G100YR24HR	12.09	96.12	94.44	0.0012	143	12.06	27.55	12.08	27.49
13P3150N	GEE	G002YR24HR	12.07	91.39	93.61	0.0004	268	12.05	12.77	12.07	12.76
13P3150N	GEE	G010YR24HR	12.06	92.17	93.61	0.0005	174	12.05	17.19	12.06	17.18
13P3150N	GEE	G025YR24HR	12.07	92.88	93.61	0.0006	170	12.06	20.89	12.07	20.89
13P3150N	GEE	G100YR24HR	12.09	94.43	93.61	0.0008	161	12.08	27.49	12.09	27.47
13P3250N	GEE	G002YR24HR	12.06	91.72	94.12	-0.0010	145	12.00	12.94	12.02	12.82
13P3250N	GEE	G010YR24HR	12.06	93.08	94.12	-0.0009	146	12.00	17.31	12.04	17.22
13P3250N	GEE	G025YR24HR	12.07	94.22	94.12	-0.0008	146	12.02	21.04	12.05	20.93
13P3250N	GEE	G100YR24HR	12.08	96.75	94.12	0.0013	146	12.00	27.74	12.06	27.55
13P3300N	GEE	G002YR24HR	12.06	91.79	94.91	-0.0036	157	12.00	13.10	12.00	12.94
13P3300N	GEE	G010YR24HR	12.06	93.20	94.91	-0.0036	157	12.00	17.58	12.00	17.31
13P3300N	GEE	G025YR24HR	12.07	94.41	94.91	-0.0035	157	12.00	21.44	12.02	21.04
13P3300N	GEE	G100YR24HR	12.08	97.08	94.91	-0.0036	157	12.00	28.46	12.00	27.74
13P3350N	GEE	G002YR24HR	12.06	91.83	93.16	0.0036	154	12.00	13.26	12.00	13.10
13P3350N	GEE	G010YR24HR	12.05	93.28	93.16	0.0038	154	12.00	17.86	12.00	17.58
13P3350N	GEE	G025YR24HR	12.06	94.52	93.16	0.0027	154	12.00	21.86	12.00	21.44
13P3350N	GEE	G100YR24HR	12.08	97.27	93.16	0.0027	154	12.00	29.22	12.00	28.46
13P3400P	GEE	G002YR24HR	12.06	91.85	94.00	0.0042	129	12.00	42.11	12.00	41.98
13P3400P	GEE	G010YR24HR	12.05	93.32	94.00	0.0035	129	12.00	66.71	12.00	66.48
13P3400P	GEE	G025YR24HR	12.06	94.58	94.00	0.0018	129	12.00	83.99	12.00	83.64
13P3400P	GEE	G100YR24HR	12.08	97.37	94.00	0.0018	129	12.00	114.35	12.00	113.72
13P3450N	GEE	G002YR24HR	12.07	91.72	90.98	0.0005	2620	12.00	28.73	12.07	27.72
13P3450N	GEE	G010YR24HR	12.06	92.94	90.98	0.0006	2339	12.00	48.66	12.06	47.03
13P3450N	GEE	G025YR24HR	12.08	93.98	90.98	0.0007	2335	12.00	61.83	12.08	59.25
13P3450N	GEE	G100YR24HR	12.09	96.27	90.98	0.0012	2318	12.00	84.59	12.09	79.91
13P3500N	GEE	G002YR24HR	72.00	85.88	90.56	0.0061	742	12.07	27.72	12.08	27.69

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P3500N	GEE	G010YR24HR	72.00	86.74	90.56	0.0061	437	12.06	47.03	12.07	47.01
13P3500N	GEE	G025YR24HR	72.00	87.31	90.56	0.0061	171	12.08	59.25	12.08	59.23
13P3500N	GEE	G100YR24HR	72.00	88.19	90.56	0.0061	171	12.09	79.91	12.09	79.88
13Q0500N	13Q	G002YR24HR	25.50	84.52	88.65	0.0000	70775	12.08	7.33	0.00	0.00
13Q0500N	13Q	G010YR24HR	25.50	84.91	88.65	0.0000	78740	12.08	12.36	0.00	0.00
13Q0500N	13Q	G025YR24HR	25.50	86.47	88.65	0.0002	110605	12.74	56.79	0.00	0.00
13Q0500N	13Q	G100YR24HR	13.66	88.89	88.65	0.0004	160233	12.48	179.12	13.66	25.94
13Q0820P	13Q	G002YR24HR	12.94	88.19	89.05	0.0002	73227	12.45	60.11	12.92	53.03
13Q0820P	13Q	G010YR24HR	13.14	89.55	89.05	0.0002	84723	12.57	126.25	12.80	91.83
13Q0820P	13Q	G025YR24HR	12.75	89.97	89.05	0.0003	88219	12.64	171.08	12.72	165.56
13Q0820P	13Q	G100YR24HR	12.50	90.22	89.05	0.0004	90370	12.42	298.22	12.48	293.50
13Q0821N	13Q	G002YR24HR	14.05	87.39	87.00	0.0008	3695	13.55	42.55	13.55	42.45
13Q0821N	13Q	G010YR24HR	14.17	88.60	87.00	0.0006	4475	12.57	51.88	12.57	50.70
13Q0821N	13Q	G025YR24HR	14.29	89.17	87.00	0.0002	4846	12.31	55.81	12.31	54.27
13Q0821N	13Q	G100YR24HR	14.07	89.70	87.00	0.0002	5186	11.90	53.57	11.90	52.63
13Q0822N	13Q	G002YR24HR	14.07	85.68	89.85	0.0004	726	14.04	11.13	14.07	11.13
13Q0822N	13Q	G010YR24HR	13.87	85.99	89.85	0.0002	597	14.25	13.79	14.27	13.80
13Q0822N	13Q	G025YR24HR	14.56	86.14	89.85	0.0001	576	14.21	14.86	14.24	14.85
13Q0822N	13Q	G100YR24HR	13.66	88.88	89.85	0.0027	488	12.61	14.06	12.61	13.91
13Q0840P	13Q	G002YR24HR	14.07	87.39	0.00	0.0001	120421	12.08	7.74	14.89	7.44
13Q0840P	13Q	G010YR24HR	14.17	88.60	0.00	0.0001	144072	12.08	12.07	19.47	13.87
13Q0840P	13Q	G025YR24HR	14.30	89.17	0.00	0.0002	155329	12.08	15.12	22.21	13.71
13Q0840P	13Q	G100YR24HR	14.08	89.70	0.00	0.0002	165671	12.08	20.50	26.55	16.63
13Q0860P	13Q	G002YR24HR	12.97	87.92	0.00	0.0000	188891	12.17	10.68	12.97	2.46
13Q0860P	13Q	G010YR24HR	12.82	88.04	0.00	0.0000	195763	12.08	23.48	12.33	8.08
13Q0860P	13Q	G025YR24HR	12.79	88.15	0.00	0.0000	201818	12.08	31.73	12.12	9.28
13Q0860P	13Q	G100YR24HR	22.67	88.34	0.00	0.0001	213078	12.08	44.82	11.87	7.53
13Q0861N	13Q	G002YR24HR	14.03	87.53	89.01	0.0002	2197	12.97	2.46	13.10	2.44
13Q0861N	13Q	G010YR24HR	13.21	88.04	89.01	0.0003	2197	12.33	8.08	12.36	5.46
13Q0861N	13Q	G025YR24HR	12.80	88.15	89.01	0.0004	2197	12.12	9.28	12.17	5.78
13Q0861N	13Q	G100YR24HR	22.62	88.34	89.01	0.0006	2197	11.87	7.53	27.37	4.96
13Q0865N	13Q	G002YR24HR	14.09	87.37	89.00	0.0002	2203	13.10	2.44	15.29	3.73
13Q0865N	13Q	G010YR24HR	15.42	88.37	89.00	0.0005	2203	12.36	5.46	20.13	4.51
13Q0865N	13Q	G025YR24HR	15.94	88.84	89.00	0.0006	2203	20.03	6.23	20.08	6.36
13Q0865N	13Q	G100YR24HR	16.81	89.40	89.00	0.0005	2203	25.38	7.48	25.43	7.59
13Q0870P	13Q	G002YR24HR	14.91	87.38	88.00	0.0001	119298	12.08	31.24	15.98	5.50
13Q0870P	13Q	G010YR24HR	15.45	88.38	88.00	0.0001	211824	12.08	51.66	20.54	9.89
13Q0870P	13Q	G025YR24HR	15.97	88.85	88.00	0.0001	261023	12.08	65.99	19.59	12.51
13Q0870P	13Q	G100YR24HR	16.84	89.40	88.00	0.0001	319285	12.08	91.06	22.18	13.26
13Q0875N	13Q	G002YR24HR	14.09	87.35	90.00	0.0002	2485	15.29	7.91	15.40	8.32
13Q0875N	13Q	G010YR24HR	14.47	88.44	90.00	0.0005	2220	20.13	12.45	20.14	12.93
13Q0875N	13Q	G025YR24HR	14.64	88.96	90.00	0.0006	2220	22.92	12.59	22.93	13.01
13Q0875N	13Q	G100YR24HR	14.24	89.53	90.00	0.0005	2220	27.26	15.06	27.28	15.35
13Q0880N	13Q	G002YR24HR	14.07	87.35	89.00	0.0002	2327	13.43	30.73	13.43	29.15
13Q0880N	13Q	G010YR24HR	14.17	88.58	89.00	0.0005	2259	12.56	38.06	14.03	32.58
13Q0880N	13Q	G025YR24HR	14.30	89.16	89.00	0.0007	2259	12.31	40.37	13.59	33.68
13Q0880N	13Q	G100YR24HR	14.08	89.69	89.00	0.0005	2259	11.90	37.86	11.89	32.44

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q0885N	13Q	G002YR24HR	14.48	86.15	89.00	0.0003	2267	13.43	29.15	13.65	28.36
13Q0885N	13Q	G010YR24HR	14.33	86.65	89.00	0.0006	2231	14.03	32.58	14.10	32.54
13Q0885N	13Q	G025YR24HR	14.67	87.14	89.00	0.0006	2231	13.59	33.68	13.86	33.48
13Q0885N	13Q	G100YR24HR	14.61	87.96	89.00	0.0005	2231	11.89	32.44	13.43	31.32
13Q0890N	13Q	G002YR24HR	14.49	85.83	89.82	0.0002	2296	13.65	28.36	14.48	28.25
13Q0890N	13Q	G010YR24HR	14.41	86.23	89.82	0.0003	2270	14.10	32.54	14.16	32.51
13Q0890N	13Q	G025YR24HR	14.80	86.70	89.82	0.0003	2212	13.86	33.48	14.00	33.34
13Q0890N	13Q	G100YR24HR	14.71	87.60	89.82	0.0003	2212	13.43	31.32	13.50	31.06
13Q0895N	13Q	G002YR24HR	14.52	85.06	87.11	0.0111	2456	14.48	28.25	14.50	28.25
13Q0895N	13Q	G010YR24HR	16.29	85.30	87.11	0.0111	2366	14.16	32.51	14.18	32.47
13Q0895N	13Q	G025YR24HR	15.68	85.58	87.11	0.0111	2205	14.00	33.34	14.04	33.28
13Q0895N	13Q	G100YR24HR	14.99	86.44	87.11	0.0111	2205	13.50	31.06	12.76	31.86
13Q0896N	13Q	G002YR24HR	14.52	85.01	87.11	-0.0112	2178	14.50	28.25	14.51	28.25
13Q0896N	13Q	G010YR24HR	16.51	85.25	87.11	-0.0112	2178	14.18	32.47	14.20	32.44
13Q0896N	13Q	G025YR24HR	15.82	85.52	87.11	-0.0112	2178	14.04	33.28	14.07	33.23
13Q0896N	13Q	G100YR24HR	15.01	86.38	87.11	-0.0112	2178	12.76	31.86	12.76	37.26
13Q0924P	13Q	G002YR24HR	13.14	88.70	88.95	0.0002	47247	12.42	38.05	13.04	24.69
13Q0924P	13Q	G010YR24HR	13.13	89.61	88.95	0.0002	52970	12.42	66.06	12.63	51.26
13Q0924P	13Q	G025YR24HR	12.76	90.04	88.95	0.0002	55726	12.42	85.89	12.73	74.44
13Q0924P	13Q	G100YR24HR	12.51	90.34	88.95	0.0003	57593	12.42	120.64	12.55	118.88
13Q0940P	13Q	G002YR24HR	13.25	88.46	88.95	0.0002	42914	12.99	26.63	13.37	25.12
13Q0940P	13Q	G010YR24HR	13.13	89.59	88.95	0.0002	49816	12.62	58.14	12.64	47.79
13Q0940P	13Q	G025YR24HR	12.76	90.01	88.95	0.0003	52444	12.69	81.81	12.77	80.87
13Q0940P	13Q	G100YR24HR	12.51	90.30	88.95	0.0003	54175	12.50	133.83	12.56	134.82
13Q2290P	13Q	G002YR24HR	24.84	80.83	85.95	0.0001	55618	12.50	11.87	18.68	0.36
13Q2290P	13Q	G010YR24HR	17.84	83.28	85.95	0.0002	65811	12.50	26.95	19.95	5.41
13Q2290P	13Q	G025YR24HR	20.44	85.48	85.95	0.0002	77309	12.50	38.56	24.90	6.76
13Q2290P	13Q	G100YR24HR	22.70	88.33	85.95	0.0004	100956	12.42	60.10	29.28	8.07
13Q2291N	13Q	G002YR24HR	24.84	80.83	0.00	0.0002	2183	12.77	1.86	24.84	0.35
13Q2291N	13Q	G010YR24HR	17.87	83.11	0.00	0.0003	2183	17.14	6.33	17.83	6.30
13Q2291N	13Q	G025YR24HR	20.48	85.24	0.00	0.0002	2183	18.94	7.38	20.44	7.36
13Q2291N	13Q	G100YR24HR	22.74	88.01	0.00	0.0004	2183	12.82	9.40	22.71	8.60
13Q2292N	13Q	G002YR24HR	25.06	77.01	0.00	0.0000	2300	24.84	0.35	24.76	0.35
13Q2292N	13Q	G010YR24HR	17.94	78.23	0.00	0.0000	2216	17.83	6.30	17.85	6.30
13Q2292N	13Q	G025YR24HR	20.78	78.44	0.00	0.0002	2218	20.44	7.36	20.55	7.36
13Q2292N	13Q	G100YR24HR	22.79	78.81	0.00	0.0003	2204	22.71	8.60	23.15	8.60
13Q2293N	13Q	G002YR24HR	16.52	76.06	0.00	0.0000	2607	24.76	0.35	24.53	0.36
13Q2293N	13Q	G010YR24HR	17.79	76.84	0.00	0.0003	2578	17.85	6.30	18.04	6.30
13Q2293N	13Q	G025YR24HR	20.18	77.02	0.00	0.0003	2546	20.55	7.36	20.54	7.36
13Q2293N	13Q	G100YR24HR	20.06	77.30	0.00	0.0003	2392	23.15	8.60	24.58	8.61
13Q2294N	13Q	G002YR24HR	16.45	76.05	0.00	0.0006	2298	24.53	0.36	24.51	0.38
13Q2294N	13Q	G010YR24HR	17.65	76.43	0.00	0.0010	2293	18.04	6.30	18.01	6.31
13Q2294N	13Q	G025YR24HR	19.81	76.52	0.00	0.0011	2280	20.54	7.36	20.48	7.37
13Q2294N	13Q	G100YR24HR	12.20	76.79	0.00	0.0005	2296	24.58	8.61	24.54	8.63
13Q2295N	13Q	G002YR24HR	16.42	76.05	0.00	0.0010	2180	24.51	0.38	24.50	0.39
13Q2295N	13Q	G010YR24HR	17.63	76.36	0.00	0.0007	2180	18.01	6.31	17.98	6.31

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q2295N	13Q	G025YR24HR	12.41	76.50	0.00	0.0005	2180	20.48	7.37	20.44	7.37
13Q2295N	13Q	G100YR24HR	12.19	76.78	0.00	0.0004	2180	24.54	8.63	24.53	8.65
13Q2296N	13Q	G002YR24HR	16.41	76.05	0.00	0.0006	2183	24.50	0.39	24.50	0.41
13Q2296N	13Q	G010YR24HR	12.51	76.32	0.00	0.0005	2183	17.98	6.31	17.94	6.31
13Q2296N	13Q	G025YR24HR	12.34	76.51	0.00	0.0004	2183	20.44	7.37	20.40	7.37
13Q2296N	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	2183	24.53	8.65	24.51	8.67
13Q2300P	13Q	G002YR24HR	16.41	76.05	0.00	0.0002	24377	12.00	19.24	16.41	1.44
13Q2300P	13Q	G010YR24HR	12.49	76.33	0.00	0.0003	26616	12.03	30.60	12.49	17.09
13Q2300P	13Q	G025YR24HR	12.29	76.52	0.00	0.0004	28185	12.08	37.05	12.29	33.49
13Q2300P	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	30293	12.08	64.70	12.18	60.63
CEMETERY	13F	G002YR24HR	29.00	62.88	63.55	0.0001	121444	12.67	15.17	0.00	0.00
CEMETERY	13F	G010YR24HR	17.80	63.60	63.55	0.0001	175912	12.58	33.03	17.80	3.57
CEMETERY	13F	G025YR24HR	14.62	63.69	63.55	0.0001	182747	12.58	46.62	14.62	14.82
CEMETERY	13F	G100YR24HR	13.44	63.83	63.55	0.0001	193913	12.58	71.29	13.44	41.97
CONCORD	13M	G002YR24HR	24.34	58.01	58.95	0.0001	927697	12.08	169.06	24.24	8.87
CONCORD	13M	G010YR24HR	21.23	59.14	58.95	0.0001	991460	12.08	275.17	21.13	25.81
CONCORD	13M	G025YR24HR	19.90	59.86	58.95	0.0001	1061134	12.28	371.90	19.79	37.55
CONCORD	13M	G100YR24HR	20.96	61.23	58.95	0.0002	1194591	12.17	575.45	19.21	44.51
CRYSTBWL	13N	G002YR24HR	26.00	59.55	64.95	0.0000	382244	12.17	69.63	0.00	0.00
CRYSTBWL	13N	G010YR24HR	26.00	60.44	64.95	0.0001	408785	12.17	119.61	0.00	0.00
CRYSTBWL	13N	G025YR24HR	26.00	61.05	64.95	0.0001	426368	12.17	154.79	0.00	0.00
CRYSTBWL	13N	G100YR24HR	26.00	62.08	64.95	0.0001	457097	12.17	216.29	0.00	0.00
DUCKPOND	13F	G002YR24HR	25.50	50.60	57.25	0.0001	33227	12.08	10.06	0.00	0.00
DUCKPOND	13F	G010YR24HR	25.50	52.70	57.25	0.0002	37914	12.08	23.82	0.00	0.00
DUCKPOND	13F	G025YR24HR	25.50	54.04	57.25	0.0003	46253	12.08	34.51	0.00	0.00
DUCKPOND	13F	G100YR24HR	25.50	56.07	57.25	0.0004	58872	12.08	54.17	0.00	0.00
ELLEN	13M	G002YR24HR	25.50	65.42	67.75	0.0000	237355	12.08	24.22	0.00	0.00
ELLEN	13M	G010YR24HR	25.50	65.89	67.75	0.0000	249205	12.08	45.28	0.00	0.00
ELLEN	13M	G025YR24HR	25.50	66.22	67.75	0.0001	258383	12.08	60.42	0.00	0.00
ELLEN	13M	G100YR24HR	25.50	66.80	67.75	0.0001	274456	12.08	87.07	0.00	0.00
EVERGRN	13I	G002YR24HR	13.26	60.07	63.95	0.0001	164981	12.52	129.21	13.26	110.31
EVERGRN	13I	G010YR24HR	19.91	60.63	63.95	0.0001	176837	12.67	235.41	12.87	228.21
EVERGRN	13I	G025YR24HR	20.48	61.50	63.95	0.0002	194638	12.60	340.46	12.72	334.69
EVERGRN	13I	G100YR24HR	19.34	62.86	63.95	0.0002	224572	12.60	532.71	12.66	527.99
FAIRY	13I	G002YR24HR	27.01	53.96	53.95	0.0000	2416879	12.08	306.31	27.00	44.96
FAIRY	13I	G010YR24HR	30.38	55.31	53.95	0.0001	2588126	12.08	548.25	30.37	74.19
FAIRY	13I	G025YR24HR	33.16	56.45	53.95	0.0001	2777373	12.08	715.56	33.16	91.00
FAIRY	13I	G100YR24HR	33.96	58.51	53.95	0.0001	3335861	12.08	1005.96	33.96	112.12
FERN	13I	G002YR24HR	13.69	62.67	62.45	0.0001	166517	12.08	35.29	13.69	3.89
FERN	13I	G010YR24HR	24.25	63.17	62.45	0.0001	176153	12.08	63.97	12.67	23.33
FERN	13I	G025YR24HR	17.81	63.29	62.45	0.0001	178794	12.08	84.39	12.51	41.87
FERN	13I	G100YR24HR	14.03	63.54	62.45	0.0001	184470	12.08	120.22	12.39	76.47
GEM	13I	G002YR24HR	25.50	71.57	73.35	0.0000	210221	12.08	23.32	0.00	0.00
GEM	13I	G010YR24HR	25.50	72.12	73.35	0.0001	225177	12.08	45.47	0.00	0.00
GEM	13I	G025YR24HR	25.50	72.50	73.35	0.0001	239974	12.08	61.61	0.00	0.00
GEM	13I	G100YR24HR	25.50	73.14	73.35	0.0001	275077	12.08	90.21	0.00	0.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
GRASSY	13P	G002YR24HR	16.32	84.28	86.95	0.0001	533464	12.17	123.43	16.30	34.38
GRASSY	13P	G010YR24HR	17.64	85.00	86.95	0.0001	558680	12.19	215.57	17.59	51.94
GRASSY	13P	G025YR24HR	16.12	85.37	86.95	0.0001	570155	12.17	271.10	16.03	61.29
GRASSY	13P	G100YR24HR	15.05	86.29	86.95	0.0002	598852	12.08	382.19	15.02	84.29
GRIFFIN	13K	G002YR24HR	18.25	75.48	75.95	0.0000	731785	12.47	57.11	18.19	18.89
GRIFFIN	13K	G010YR24HR	16.24	76.23	75.95	0.0000	846580	12.81	145.13	16.39	43.00
GRIFFIN	13K	G025YR24HR	14.76	76.51	75.95	0.0001	894796	12.58	246.27	14.76	86.85
GRIFFIN	13K	G100YR24HR	13.59	76.86	75.95	0.0001	955179	12.42	435.29	13.59	190.30
HODGE	13H	G002YR24HR	72.00	52.01	53.05	0.0000	963299	12.08	73.21	0.00	0.00
HODGE	13H	G010YR24HR	72.00	52.55	53.05	0.0000	1010226	12.08	153.30	0.00	0.00
HODGE	13H	G025YR24HR	72.00	52.94	53.05	0.0001	1044469	12.08	212.63	0.00	0.00
HODGE	13H	G100YR24HR	21.89	53.24	53.05	0.0001	1068739	12.08	318.99	21.89	13.46
IRENE-N	13H	G002YR24HR	25.50	55.87	0.00	0.0000	391708	12.08	62.62	0.00	0.00
IRENE-N	13H	G010YR24HR	27.16	56.55	0.00	0.0001	420329	12.08	103.98	0.00	0.00
IRENE-N	13H	G025YR24HR	29.47	57.02	0.00	0.0001	439781	12.08	132.84	0.00	0.00
IRENE-N	13H	G100YR24HR	25.50	57.81	0.00	0.0001	469381	12.08	182.87	0.00	0.00
IRENE-S	13H	G002YR24HR	25.50	56.60	0.00	0.0001	239022	12.08	65.86	0.00	0.00
IRENE-S	13H	G010YR24HR	25.50	57.85	0.00	0.0001	264970	12.08	123.56	0.00	0.00
IRENE-S	13H	G025YR24HR	25.50	58.72	0.00	0.0002	282268	12.08	165.54	0.00	0.00
IRENE-S	13H	G100YR24HR	25.50	60.11	0.00	0.0002	338436	12.08	240.06	0.00	0.00
JANE	13I	G002YR24HR	27.50	65.73	66.05	0.0001	97277	12.42	17.56	0.00	0.00
JANE	13I	G010YR24HR	13.94	66.46	66.05	0.0001	111413	12.72	48.49	13.94	38.15
JANE	13I	G025YR24HR	13.26	66.67	66.05	0.0002	115852	12.58	81.75	13.26	70.14
JANE	13I	G100YR24HR	12.81	67.06	66.05	0.0003	123356	12.56	158.44	12.81	144.89
JESUP	13A	G002YR24HR	0.00	8.75	0.00	0.0000	11528	15.37	587.10	0.00	0.00
JESUP	13A	G010YR24HR	0.00	8.75	0.00	0.0000	11528	15.60	1008.40	0.00	0.00
JESUP	13A	G025YR24HR	0.00	8.75	0.00	0.0000	11528	15.68	1277.16	0.00	0.00
JESUP	13A	G100YR24HR	0.00	8.75	0.00	0.0000	11528	15.89	1661.99	0.00	0.00
KATHRYN	13A	G002YR24HR	33.55	51.70	51.95	0.0000	3539370	12.33	409.95	31.52	140.99
KATHRYN	13A	G010YR24HR	30.99	52.76	51.95	0.0001	3744944	12.33	635.27	29.40	254.84
KATHRYN	13A	G025YR24HR	29.86	53.29	51.95	0.0001	3922095	12.33	791.92	28.54	330.68
KATHRYN	13A	G100YR24HR	26.28	53.96	51.95	0.0001	4179270	12.33	1073.83	25.77	475.09
LOST	13N	G002YR24HR	28.09	52.13	53.95	0.0000	828555	12.44	96.44	13.81	21.93
LOST	13N	G010YR24HR	26.38	53.32	53.95	0.0001	983952	12.33	176.13	13.51	41.68
LOST	13N	G025YR24HR	26.74	54.08	53.95	0.0001	1044186	12.27	218.19	13.22	52.39
LOST	13N	G100YR24HR	26.80	55.14	53.95	0.0001	1122361	12.25	287.39	28.24	58.88
LOTUS	13K	G002YR24HR	26.50	83.50	85.85	0.0000	190585	12.33	11.23	0.00	0.00
LOTUS	13K	G010YR24HR	26.50	84.30	85.85	0.0000	210573	12.25	33.68	0.00	0.00
LOTUS	13K	G025YR24HR	26.50	84.91	85.85	0.0001	231525	12.25	52.82	0.00	0.00
LOTUS	13K	G100YR24HR	26.50	85.90	85.85	0.0001	296083	12.25	89.62	0.00	0.00
LPRAIRIE	13P	G002YR24HR	25.50	92.42	91.95	0.0001	398497	12.08	52.64	0.00	0.00
LPRAIRIE	13P	G010YR24HR	13.69	92.62	91.95	0.0001	442871	12.08	91.65	13.69	9.14
LPRAIRIE	13P	G025YR24HR	13.73	92.94	91.95	0.0001	510829	12.08	119.16	18.00	13.84
LPRAIRIE	13P	G100YR24HR	12.59	93.14	91.95	0.0001	554696	12.08	167.27	12.65	70.72
LWILDMER	13I	G002YR24HR	26.43	62.60	63.45	0.0000	408769	12.42	17.79	0.00	0.00
LWILDMER	13I	G010YR24HR	24.31	63.17	63.45	0.0000	490879	12.45	64.22	24.31	2.11
LWILDMER	13I	G025YR24HR	17.86	63.28	63.45	0.0001	514537	12.42	106.74	17.86	8.24

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
LWILDMER	13I	G100YR24HR	14.01	63.53	63.45	0.0001	565412	12.33	185.47	14.01	35.00
MALTBIE	13P	G002YR24HR	15.41	86.14	83.95	0.0003	323697	12.25	223.27	12.89	21.04
MALTBIE	13P	G010YR24HR	17.90	88.05	83.95	0.0003	987420	12.25	378.71	12.21	21.04
MALTBIE	13P	G025YR24HR	20.17	88.82	83.95	0.0003	1122068	12.25	487.91	11.99	21.04
MALTBIE	13P	G100YR24HR	23.70	90.07	83.95	0.0004	1338656	12.25	678.87	11.36	21.04
ORANGE	13I	G002YR24HR	25.50	73.89	0.00	0.0001	138917	12.08	39.17	0.00	0.00
ORANGE	13I	G010YR24HR	25.50	74.98	0.00	0.0001	176795	12.08	69.79	0.00	0.00
ORANGE	13I	G025YR24HR	18.64	75.30	0.00	0.0002	179578	12.08	91.48	18.64	3.27
ORANGE	13I	G100YR24HR	12.94	75.46	0.00	0.0002	180904	12.08	129.49	12.94	26.25
OXFORD	13L	G002YR24HR	13.00	70.85	72.95	0.0005	230569	12.23	113.94	13.00	74.68
OXFORD	13L	G010YR24HR	13.66	71.90	72.95	0.0005	283591	12.16	198.02	13.92	119.10
OXFORD	13L	G025YR24HR	14.04	73.15	72.95	0.0005	341234	12.47	270.46	14.38	131.08
OXFORD	13L	G100YR24HR	13.37	74.42	72.95	0.0005	423468	12.30	441.72	13.35	239.82
PEARL	13P	G002YR24HR	72.00	85.88	86.95	0.0000	622225	12.17	77.27	0.00	0.00
PEARL	13P	G010YR24HR	72.00	86.74	86.95	0.0001	661686	12.17	126.47	0.00	0.00
PEARL	13P	G025YR24HR	72.00	87.31	86.95	0.0001	789185	12.17	162.14	0.00	0.00
PEARL	13P	G100YR24HR	72.00	88.19	86.95	0.0001	1075939	12.17	223.79	72.00	0.23
PINEYRDG	13P	G002YR24HR	20.81	83.95	85.95	0.0002	47893	12.25	28.62	20.81	1.97
PINEYRDG	13P	G010YR24HR	17.03	85.22	85.95	0.0002	70107	12.25	47.14	17.03	2.96
PINEYRDG	13P	G025YR24HR	16.98	86.25	85.95	0.0003	97682	12.25	60.12	16.98	3.76
PINEYRDG	13P	G100YR24HR	18.94	87.52	85.95	0.0004	179572	12.25	82.82	12.86	3.92
PLAZA	13K	G002YR24HR	25.50	74.54	75.65	0.0000	130578	12.08	13.15	0.00	0.00
PLAZA	13K	G010YR24HR	25.50	74.92	75.65	0.0000	141658	12.08	21.86	0.00	0.00
PLAZA	13K	G025YR24HR	25.50	75.17	75.65	0.0001	152232	12.08	27.96	0.00	0.00
PLAZA	13K	G100YR24HR	25.50	75.57	75.65	0.0001	170096	12.08	38.64	0.00	0.00
POND10	13L	G002YR24HR	12.66	56.54	58.00	0.0002	38615	12.25	84.23	12.44	63.95
POND10	13L	G010YR24HR	12.48	57.49	58.00	0.0004	86815	12.25	145.35	12.43	126.53
POND10	13L	G025YR24HR	12.43	57.76	58.00	0.0004	98623	12.25	188.43	12.40	171.25
POND10	13L	G100YR24HR	12.40	58.12	58.00	0.0004	112491	12.25	263.81	12.36	244.40
POND2	13L	G002YR24HR	13.94	52.50	54.00	0.0001	172710	12.34	78.19	13.84	32.30
POND2	13L	G010YR24HR	14.30	53.84	54.00	0.0002	183889	12.33	139.85	13.35	50.87
POND2	13L	G025YR24HR	14.76	54.81	54.00	0.0002	300700	12.29	185.97	13.16	56.46
POND2	13L	G100YR24HR	16.17	56.19	54.00	0.0003	333784	12.26	265.53	13.29	62.61
POND5	13N	G002YR24HR	12.55	62.05	63.00	0.0002	37995	12.25	33.20	12.55	27.59
POND5	13N	G010YR24HR	12.64	62.69	63.00	0.0001	40282	12.25	57.13	12.62	42.22
POND5	13N	G025YR24HR	12.88	63.21	63.00	0.0002	239094	12.25	73.99	12.17	41.68
POND5	13N	G100YR24HR	13.25	63.49	63.00	0.0003	473844	12.25	103.47	12.01	41.40
POND7	13L	G002YR24HR	12.60	55.68	57.00	0.0003	73676	12.08	140.55	12.53	84.66
POND7	13L	G010YR24HR	12.36	56.56	57.00	0.0005	102215	12.08	240.83	12.34	201.90
POND7	13L	G025YR24HR	12.27	56.78	57.00	0.0006	111335	12.08	311.41	12.24	287.28
POND7	13L	G100YR24HR	13.06	57.15	57.00	0.0005	128884	12.08	434.89	12.17	421.24
PRAIRIE	13P	G002YR24HR	72.00	85.88	87.95	0.0000	5705487	12.25	681.66	13.86	3.75
PRAIRIE	13P	G010YR24HR	72.00	86.74	87.95	0.0001	6118188	12.21	1114.95	13.85	5.33
PRAIRIE	13P	G025YR24HR	72.00	87.31	87.95	0.0001	6420649	12.17	1410.84	13.85	5.71
PRAIRIE	13P	G100YR24HR	72.00	88.19	87.95	0.0001	6895351	12.17	1919.28	24.50	7.24
QUAIL	13M	G002YR24HR	19.73	62.66	65.95	0.0000	156293	12.08	26.47	19.73	0.87

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
QUAIL	13M	G010YR24HR	20.14	63.18	65.95	0.0001	160302	12.08	44.04	19.84	1.28
QUAIL	13M	G025YR24HR	23.25	63.60	65.95	0.0001	167646	12.08	56.36	13.38	1.39
QUAIL	13M	G100YR24HR	24.13	64.36	65.95	0.0001	181346	12.08	77.88	12.35	1.44
QUEENS	13L	G002YR24HR	15.10	52.75	53.95	0.0001	706408	12.37	280.83	14.73	136.99
QUEENS	13L	G010YR24HR	15.19	53.94	53.95	0.0001	760866	12.33	443.27	14.84	277.59
QUEENS	13L	G025YR24HR	14.96	54.51	53.95	0.0002	808341	12.40	591.71	14.76	359.06
QUEENS	13L	G100YR24HR	24.26	55.48	53.95	0.0002	896782	12.27	811.52	14.08	495.38
SECRET	13M	G002YR24HR	15.99	52.09	52.95	0.0001	579635	12.33	113.47	14.76	20.95
SECRET	13M	G010YR24HR	27.87	53.44	52.95	0.0001	795623	12.33	182.47	14.54	35.52
SECRET	13M	G025YR24HR	30.43	54.40	52.95	0.0001	1058103	12.41	221.88	13.88	39.86
SECRET	13M	G100YR24HR	37.19	55.62	52.95	0.0001	1377067	12.47	297.92	46.98	42.35
TRIPLT-M	13L	G002YR24HR	28.15	52.13	51.95	0.0000	2893442	12.08	276.11	25.33	79.20
TRIPLT-M	13L	G010YR24HR	26.40	53.32	51.95	0.0000	3143785	12.08	472.41	22.03	152.18
TRIPLT-M	13L	G025YR24HR	26.74	54.08	51.95	0.0001	3303182	12.08	634.77	20.60	200.06
TRIPLT-M	13L	G100YR24HR	26.80	55.14	51.95	0.0001	3581662	12.08	900.69	24.41	269.79
TRIPLT-N	13L	G002YR24HR	30.04	51.94	52.25	0.0000	1164210	12.33	130.66	26.83	74.90
TRIPLT-N	13L	G010YR24HR	28.36	53.08	52.25	0.0001	1384936	12.33	217.48	24.70	139.04
TRIPLT-N	13L	G025YR24HR	27.92	53.81	52.25	0.0001	1553407	12.33	282.17	26.12	173.51
TRIPLT-N	13L	G100YR24HR	27.58	54.79	52.25	0.0001	1698320	12.25	394.93	27.39	262.21
TRIPLT-S	13L	G002YR24HR	27.95	52.14	0.00	0.0000	1430111	12.08	184.15	16.23	98.03
TRIPLT-S	13L	G010YR24HR	26.38	53.32	0.00	0.0001	1674585	12.08	325.13	15.63	216.21
TRIPLT-S	13L	G025YR24HR	26.73	54.08	0.00	0.0001	1796624	12.08	428.18	14.41	274.38
TRIPLT-S	13L	G100YR24HR	26.79	55.14	0.00	0.0001	1945653	12.08	632.28	14.09	346.13
TROUT	13K	G002YR24HR	20.15	79.21	80.65	0.0000	791990	12.08	100.48	20.09	4.15
TROUT	13K	G010YR24HR	20.18	79.70	80.65	0.0001	848296	12.08	198.42	20.14	6.54
TROUT	13K	G025YR24HR	20.17	80.04	80.65	0.0001	885138	12.08	261.15	20.14	8.24
TROUT	13K	G100YR24HR	20.25	80.60	80.65	0.0001	938728	12.08	369.74	20.23	10.80
WILDMERE	13I	G002YR24HR	19.08	59.22	57.95	0.0000	1657671	12.50	196.58	31.09	40.82
WILDMERE	13I	G010YR24HR	20.08	60.62	57.95	0.0001	1851681	12.69	441.49	20.19	65.59
WILDMERE	13I	G025YR24HR	20.50	61.49	57.95	0.0001	1983669	12.70	662.91	20.47	109.24
WILDMERE	13I	G100YR24HR	19.37	62.86	57.95	0.0002	2209649	12.59	1127.59	19.04	170.12
YVONNE	13N	G002YR24HR	17.70	53.79	53.95	0.0001	1221550	12.25	284.12	18.31	20.86
YVONNE	13N	G010YR24HR	16.07	54.86	53.95	0.0001	1573117	12.25	520.62	18.15	47.18
YVONNE	13N	G025YR24HR	15.99	55.54	53.95	0.0002	1847906	12.25	690.74	17.51	62.12
YVONNE	13N	G100YR24HR	16.16	56.59	53.95	0.0002	2338202	12.25	991.05	17.01	82.49

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.5 Input Data – Scenario 2

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         Name: 13A0100B                Node: 13A0100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.940                      Time Shift(hrs): 0.00
         Curve Number: 84.91              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0300B                Node: 13A0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 107.00
            Area(ac): 29.540                     Time Shift(hrs): 0.00
         Curve Number: 81.06              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0600B                Node: 13A0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 124.00
            Area(ac): 9.680                      Time Shift(hrs): 0.00
         Curve Number: 92.05              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0725B                Node: 13A0725N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.520                      Time Shift(hrs): 0.00
         Curve Number: 82.88              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0735B                Node: 13A0735P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 62.00
            Area(ac): 20.270                     Time Shift(hrs): 0.00
         Curve Number: 87.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0800B                Node: 13A0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 16.420                     Time Shift(hrs): 0.00
         Curve Number: 73.45              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A0820B                Node: 13A0820P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 160.00
             Area(ac): 34.270                    Time Shift(hrs): 0.00
        Curve Number: 89.89                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A0950B                 Node: 13A0950N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.900                    Time Shift(hrs): 0.00
        Curve Number: 76.25                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1000B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.360                     Time Shift(hrs): 0.00
        Curve Number: 77.41                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1001B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 64.00
             Area(ac): 12.670                    Time Shift(hrs): 0.00
        Curve Number: 72.34                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1002B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.580                     Time Shift(hrs): 0.00
        Curve Number: 84.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1101B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 89.00
             Area(ac): 23.280                    Time Shift(hrs): 0.00
        Curve Number: 81.85                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1102B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.660                     Time Shift(hrs): 0.00
        Curve Number: 84.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A1300B                 Node: 13A1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 10.410                   Time Shift(hrs): 0.00
         Curve Number: 86.80              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A1400B                 Node: 13A1400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.680                    Time Shift(hrs): 0.00
         Curve Number: 79.51              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A1600B                 Node: 13A1600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.200                    Time Shift(hrs): 0.00
         Curve Number: 89.98              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A1601B                 Node: 13A1600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
             Area(ac): 7.720                    Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A1700B                 Node: 13A1700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.910                    Time Shift(hrs): 0.00
         Curve Number: 89.75              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A1701B                 Node: 13A1700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 30.960                   Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A1800B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.670                    Time Shift(hrs): 0.00
           Curve Number: 89.30              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1801B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 6.580                    Time Shift(hrs): 0.00
           Curve Number: 83.20              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1802B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 1.710                    Time Shift(hrs): 0.00
           Curve Number: 80.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1901B                 Node: 13A1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 28.00
              Area(ac): 14.830                   Time Shift(hrs): 0.00
           Curve Number: 84.14              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1902B                 Node: 13A1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 2.410                    Time Shift(hrs): 0.00
           Curve Number: 76.94              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A2100B                 Node: 13A2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.370                    Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A2200B                 Node: 13A2200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 7.230                    Time Shift(hrs): 0.00
           Curve Number: 91.93              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A2201B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 20.390                     Time Shift(hrs): 0.00
         Curve Number: 82.68               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2202B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.910                      Time Shift(hrs): 0.00
         Curve Number: 80.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2220B                Node: 13A2220P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 17.460                     Time Shift(hrs): 0.00
         Curve Number: 66.07               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2300B                Node: 13A2300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.700                      Time Shift(hrs): 0.00
         Curve Number: 83.98               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2350B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.980                      Time Shift(hrs): 0.00
         Curve Number: 89.67               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2351B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.650                      Time Shift(hrs): 0.00
         Curve Number: 83.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2400B                Node: 13A2400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 5.280                    Time Shift(hrs): 0.00
        Curve Number: 83.77             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A2600B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.600                    Time Shift(hrs): 0.00
        Curve Number: 90.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A2601B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 34.00
            Area(ac): 35.030                   Time Shift(hrs): 0.00
        Curve Number: 78.69             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A2701B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.870                    Time Shift(hrs): 0.00
        Curve Number: 82.29             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A2750B                Node: 13A2750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 16.880                   Time Shift(hrs): 0.00
        Curve Number: 80.67             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A2820B                Node: 13A2820P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 10.590                   Time Shift(hrs): 0.00
        Curve Number: 82.14             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A2900B                Node: 13A2900N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 82.00
            Area(ac): 22.470                   Time Shift(hrs): 0.00
        Curve Number: 69.30             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A2901B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 118.00
            Area(ac): 43.380                    Time Shift(hrs): 0.00
         Curve Number: 73.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2902B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 77.00
            Area(ac): 39.360                    Time Shift(hrs): 2.22
         Curve Number: 65.83             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2903B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 96.00
            Area(ac): 33.570                    Time Shift(hrs): 4.30
         Curve Number: 52.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3200B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.420                     Time Shift(hrs): 0.00
         Curve Number: 85.41             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3201B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 25.00
            Area(ac): 16.280                    Time Shift(hrs): 0.00
         Curve Number: 83.40             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3202B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.970                     Time Shift(hrs): 0.00
         Curve Number: 75.92             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3300B                Node: 13A3300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.210                   Time Shift(hrs): 0.00
           Curve Number: 87.18              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3320B                 Node: 13A3320P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.340                  Time Shift(hrs): 0.00
           Curve Number: 77.64              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3400B                 Node: 13A3400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 40.400                  Time Shift(hrs): 0.00
           Curve Number: 83.51              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3420B                 Node: 13A3420P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.660                   Time Shift(hrs): 0.00
           Curve Number: 70.01              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3440B                 Node: 13A3440P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 182.00
               Area(ac): 19.240                  Time Shift(hrs): 0.00
           Curve Number: 56.10              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3600B                 Node: 13A3600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.700                   Time Shift(hrs): 0.00
           Curve Number: 86.31              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3910B                 Node: 13A3910P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.290                  Time Shift(hrs): 0.00
           Curve Number: 85.67              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13A3920B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.210                  Time Shift(hrs): 0.00
        Curve Number: 93.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3921B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.560                  Time Shift(hrs): 0.00
        Curve Number: 83.28             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3930B                Node: 13A3930N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 21.000                  Time Shift(hrs): 0.00
        Curve Number: 83.49             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3940B                Node: 13A3940N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.500                   Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3950B                Node: 13A3950N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 9.990                   Time Shift(hrs): 0.00
        Curve Number: 83.78             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3952B                Node: 13A3952P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 102.00
            Area(ac): 46.940                  Time Shift(hrs): 0.00
        Curve Number: 67.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3954B                Node: 13A3954P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
```

```
             Area(ac): 35.320                 Time Shift(hrs): 0.00
         Curve Number: 65.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3956B                Node: 13A3954P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.820                  Time Shift(hrs): 0.00
         Curve Number: 56.11             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3960B                Node: 13A3960P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.560                  Time Shift(hrs): 0.00
         Curve Number: 72.26             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3962B                Node: 13A3962P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
             Area(ac): 24.070                 Time Shift(hrs): 0.00
         Curve Number: 81.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3964B                Node: 13A3962P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 16.340                 Time Shift(hrs): 0.00
         Curve Number: 84.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3990B                Node: 13A3990P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 38.570                 Time Shift(hrs): 0.00
         Curve Number: 72.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4000B                Node: 13A4000N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.450                  Time Shift(hrs): 0.00
         Curve Number: 93.63             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13A4120B                Node: 13A4120P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.400                    Time Shift(hrs): 0.00
        Curve Number: 86.21               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A4200B                Node: 13A4200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.700                     Time Shift(hrs): 0.00
        Curve Number: 90.79               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A4300B                Node: 13A4300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 20.100                    Time Shift(hrs): 0.00
        Curve Number: 87.40               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A4301B                Node: 13A4300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.530                    Time Shift(hrs): 0.00
        Curve Number: 80.75               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A4700B                Node: 13A4700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 19.780                    Time Shift(hrs): 0.00
        Curve Number: 81.93               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A4701B                Node: 13A4700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.320                     Time Shift(hrs): 0.00
        Curve Number: 83.02               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A4720B                Node: 13A4700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.640                    Time Shift(hrs): 0.00
```

```
          Curve Number: 49.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A4721B                Node: 13A4700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 17.010                  Time Shift(hrs): 0.50
          Curve Number: 48.27             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5001B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.770                  Time Shift(hrs): 0.00
          Curve Number: 91.93             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5002B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.910                   Time Shift(hrs): 0.00
          Curve Number: 88.11             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5100B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.790                  Time Shift(hrs): 0.00
          Curve Number: 93.87             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5101B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.780                  Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5300B                Node: 13A5300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.350                   Time Shift(hrs): 0.00
          Curve Number: 88.04             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5320B                Node: 13A5320P              Status: Onsite
```

```
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.540                   Time Shift(hrs): 0.00
          Curve Number: 61.91               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5400B                 Node: 13A5400N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
             Area(ac): 23.730                   Time Shift(hrs): 0.00
          Curve Number: 83.93               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5500B                 Node: 13A5500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.830                   Time Shift(hrs): 0.00
          Curve Number: 79.14               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5600B                 Node: 13A5600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.440                   Time Shift(hrs): 0.00
          Curve Number: 87.94               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A5800B                 Node: 13A5800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.780                    Time Shift(hrs): 0.00
          Curve Number: 91.93               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A6000B                 Node: 13A6000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 96.640                   Time Shift(hrs): 0.00
          Curve Number: 85.25               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A6200B                 Node: KATHRYN                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 43.00
             Area(ac): 160.110                  Time Shift(hrs): 0.00
          Curve Number: 92.44               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A6201B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.140                     Time Shift(hrs): 0.00
        Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0200B                 Node: 13B0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 63.00
            Area(ac): 11.350                    Time Shift(hrs): 0.00
        Curve Number: 63.39              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0400B                 Node: 13B0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.210                    Time Shift(hrs): 0.00
        Curve Number: 39.42              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0500B                 Node: 13B0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.890                     Time Shift(hrs): 0.00
        Curve Number: 46.74              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0710B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 39.600                    Time Shift(hrs): 0.00
        Curve Number: 83.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0740B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                     Time Shift(hrs): 0.00
        Curve Number: 73.59              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C0100B                 Node: 13C0100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 12.900                    Time Shift(hrs): 0.00
        Curve Number: 79.91               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0500B                 Node: 13C0500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.050                     Time Shift(hrs): 0.00
        Curve Number: 85.04               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0600B                 Node: 13C0600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 10.760                    Time Shift(hrs): 0.00
        Curve Number: 93.51               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0800B                 Node: 13C0800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 1.120                     Time Shift(hrs): 0.00
        Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1000B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.850                     Time Shift(hrs): 0.00
        Curve Number: 93.10               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1001B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.180                     Time Shift(hrs): 0.00
        Curve Number: 84.03               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1100B                 Node: 13C1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 7.320                     Time Shift(hrs): 0.00
        Curve Number: 93.19               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13C1120B                 Node: 13C1100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
               Area(ac): 25.520                  Time Shift(hrs): 0.00
           Curve Number: 86.05              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1200B                 Node: 13C1200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.810                   Time Shift(hrs): 0.00
           Curve Number: 93.10              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1201B                 Node: 13C1200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.800                   Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1300B                 Node: 13C1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.500                   Time Shift(hrs): 0.00
           Curve Number: 94.14              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1301B                 Node: 13C1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 2.550                   Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1350B                 Node: 13C1350N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 190.00
               Area(ac): 155.510                 Time Shift(hrs): 0.00
           Curve Number: 77.01              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1370B                 Node: 13C1350N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 20.750                   Time Shift(hrs): 4.67
           Curve Number: 63.02               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1400B                 Node: 13C1400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 5.700                    Time Shift(hrs): 0.00
           Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1700B                 Node: 13C1700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 5.440                    Time Shift(hrs): 0.00
           Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1800B                 Node: 13C1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 10.250                   Time Shift(hrs): 0.00
           Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1801B                 Node: 13C1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 49.00
              Area(ac): 24.790                   Time Shift(hrs): 0.00
           Curve Number: 72.88               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1802B                 Node: 13C1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 77.00
              Area(ac): 56.830                   Time Shift(hrs): 0.00
           Curve Number: 61.06               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1850B                 Node: 13C1850N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 96.00
              Area(ac): 36.200                   Time Shift(hrs): 0.00
           Curve Number: 89.20               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13C1851B                Node: 13C1850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.470                      Time Shift(hrs): 0.00
         Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C1900B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.770                      Time Shift(hrs): 0.00
         Curve Number: 77.74               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C1901B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 102.00
            Area(ac): 29.990                     Time Shift(hrs): 1.45
         Curve Number: 61.77               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2200B                Node: 13C2200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
            Area(ac): 26.820                     Time Shift(hrs): 0.00
         Curve Number: 73.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2220B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 12.640                     Time Shift(hrs): 0.00
         Curve Number: 64.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2240B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.330                     Time Shift(hrs): 0.00
         Curve Number: 57.04               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13C2260B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 18.530                   Time Shift(hrs): 0.00
         Curve Number: 66.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2280B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 30.00
            Area(ac): 105.650                  Time Shift(hrs): 0.00
         Curve Number: 69.14             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2400B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.670                   Time Shift(hrs): 0.00
         Curve Number: 89.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2401B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.320                   Time Shift(hrs): 0.00
         Curve Number: 65.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2402B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 30.120                   Time Shift(hrs): 0.00
         Curve Number: 75.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0170B                Node: 13D0170P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 11.270                   Time Shift(hrs): 0.00
         Curve Number: 85.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0310B                Node: 13D0310N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.090                    Time Shift(hrs): 0.00
         Curve Number: 84.22             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13D0330B                Node: 13D0330N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 29.00
            Area(ac): 36.380                   Time Shift(hrs): 0.00
         Curve Number: 83.88             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0610B                Node: 13D0500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 27.00
            Area(ac): 19.050                   Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0630B                Node: 13D0700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.720                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0750B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.860                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0751B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 24.00
            Area(ac): 24.450                   Time Shift(hrs): 0.00
         Curve Number: 85.34             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0801B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 46.00
            Area(ac): 34.950                   Time Shift(hrs): 0.00
         Curve Number: 81.71             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13D0802B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
               Area(ac): 14.050                  Time Shift(hrs): 0.00
           Curve Number: 83.61               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0400B                 Node: 13F0400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
               Area(ac): 76.220                  Time Shift(hrs): 0.00
           Curve Number: 91.20               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0401B                 Node: 13F0400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 134.00
               Area(ac): 16.420                  Time Shift(hrs): 0.00
           Curve Number: 86.85               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0410B                 Node: 13F0410P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.660                   Time Shift(hrs): 0.00
           Curve Number: 78.03               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0420B                 Node: 13F0420P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.050                   Time Shift(hrs): 0.00
           Curve Number: 80.34               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0430B                 Node: 13F0430P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
               Area(ac): 31.040                  Time Shift(hrs): 0.00
           Curve Number: 91.59               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F0440B                 Node: 13F0440P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.760                   Time Shift(hrs): 0.00
           Curve Number: 99.51               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13F0450B                Node: 13F0450P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 75.00
            Area(ac): 13.600                  Time Shift(hrs): 0.00
        Curve Number: 84.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0750B                Node: 13F0750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.430                  Time Shift(hrs): 0.00
        Curve Number: 65.24             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0760B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.520                  Time Shift(hrs): 0.00
        Curve Number: 62.08             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0770B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 61.00
            Area(ac): 14.420                 Time Shift(hrs): 0.00
        Curve Number: 59.59             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1000B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 36.680                 Time Shift(hrs): 0.00
        Curve Number: 66.35             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1001B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 13.930                 Time Shift(hrs): 0.00
        Curve Number: 66.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1110B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
```

```
             Area(ac): 4.440                  Time Shift(hrs): 0.00
         Curve Number: 46.27              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1120B                 Node: 13F1000P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.590                  Time Shift(hrs): 0.00
         Curve Number: 53.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1130B                 Node: 13F1000P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 46.00
             Area(ac): 14.940                 Time Shift(hrs): 0.00
         Curve Number: 55.57              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1150B                 Node: 13F1000P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 13.370                 Time Shift(hrs): 0.00
         Curve Number: 64.79              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1154B                 Node: 13F1154P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
             Area(ac): 12.260                 Time Shift(hrs): 0.00
         Curve Number: 48.78              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1158B                 Node: 13F1158P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
             Area(ac): 7.700                  Time Shift(hrs): 0.00
         Curve Number: 51.69              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1170B                 Node: 13F1000P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
             Area(ac): 11.600                 Time Shift(hrs): 0.00
         Curve Number: 59.52              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13F1300B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.160                     Time Shift(hrs): 0.00
        Curve Number: 85.73              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1301B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.380                     Time Shift(hrs): 0.00
        Curve Number: 62.89              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1320B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.830                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1324B                Node: CEMETERY              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 58.00
            Area(ac): 26.660                    Time Shift(hrs): 0.00
        Curve Number: 72.25              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1340B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
            Area(ac): 9.400                     Time Shift(hrs): 0.00
        Curve Number: 81.37              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1360B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.170                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1374B                Node: 13F1374P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 23.00
            Area(ac): 10.870                    Time Shift(hrs): 0.00
```

```
          Curve Number: 73.73             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1378B                Node: 13F1378P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 18.970                  Time Shift(hrs): 0.00
          Curve Number: 58.14             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1380B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.480                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1400B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 8.810                   Time Shift(hrs): 0.00
          Curve Number: 83.97             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1404B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.270                   Time Shift(hrs): 0.00
          Curve Number: 84.71             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1420B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.140                   Time Shift(hrs): 0.00
          Curve Number: 83.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1440B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.660                   Time Shift(hrs): 0.00
          Curve Number: 87.01             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1500B                Node: DUCKPOND              Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.080                    Time Shift(hrs): 0.00
         Curve Number: 67.70               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0400B                 Node: 13G0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 88.05               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0500B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.290                     Time Shift(hrs): 0.00
         Curve Number: 87.66               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0501B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 52.00
             Area(ac): 16.240                    Time Shift(hrs): 0.00
         Curve Number: 87.15               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0600B                 Node: 13G0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.630                     Time Shift(hrs): 0.00
         Curve Number: 85.71               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1200B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 37.360                    Time Shift(hrs): 0.00
         Curve Number: 93.38               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1201B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 6.490                     Time Shift(hrs): 0.00
         Curve Number: 69.30               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G1202B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 24.210                    Time Shift(hrs): 0.00
        Curve Number: 84.26              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2200B                 Node: 13G2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 5.730                     Time Shift(hrs): 0.00
        Curve Number: 87.30              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2201B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 19.640                    Time Shift(hrs): 0.00
        Curve Number: 73.01              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0100B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 46.960                    Time Shift(hrs): 0.00
        Curve Number: 72.16              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0101B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 23.00
            Area(ac): 13.960                    Time Shift(hrs): 0.00
        Curve Number: 81.82              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0150B                 Node: 13H0150P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.270                    Time Shift(hrs): 0.00
        Curve Number: 79.17              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0200B                 Node: IRENE-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 32.110                    Time Shift(hrs): 0.00
        Curve Number: 76.25               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0220B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.270                     Time Shift(hrs): 0.00
        Curve Number: 93.05               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0240B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 6.950                     Time Shift(hrs): 0.00
        Curve Number: 92.98               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0300B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 22.240                    Time Shift(hrs): 0.00
        Curve Number: 90.93               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0320B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.240                     Time Shift(hrs): 0.00
        Curve Number: 93.12               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0340B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.560                     Time Shift(hrs): 0.00
        Curve Number: 94.82               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0350B                 Node: 13H0350P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 11.040                    Time Shift(hrs): 0.00
        Curve Number: 77.12               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13I0300B                 Node: 13I0300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 39.00
             Area(ac): 14.840                   Time Shift(hrs): 0.00
         Curve Number: 92.29              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0600B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 103.930                  Time Shift(hrs): 0.00
         Curve Number: 86.38              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0610B                 Node: 13I0610P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.250                    Time Shift(hrs): 0.00
         Curve Number: 73.84              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0620B                 Node: 13I0620P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 25.230                   Time Shift(hrs): 0.00
         Curve Number: 60.25              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0630B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 72.00
             Area(ac): 54.770                   Time Shift(hrs): 0.00
         Curve Number: 87.52              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0631B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 23.580                   Time Shift(hrs): 0.74
         Curve Number: 80.73              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0640B                 Node: LWILDMER               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 34.00
            Area(ac): 35.600                     Time Shift(hrs): 0.00
         Curve Number: 64.27               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0660B                 Node: FERN                    Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 19.820                     Time Shift(hrs): 0.00
         Curve Number: 83.04               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0900B                 Node: 13I0900N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.360                     Time Shift(hrs): 0.00
         Curve Number: 64.99               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1000B                 Node: 13I1000N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 13.260                     Time Shift(hrs): 0.00
         Curve Number: 76.31               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1200B                 Node: WILDMERE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 79.320                     Time Shift(hrs): 0.00
         Curve Number: 81.26               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1201B                 Node: WILDMERE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 48.00
            Area(ac): 54.370                     Time Shift(hrs): 0.00
         Curve Number: 82.79               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1220B                 Node: JANE                    Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 43.00
            Area(ac): 17.620                     Time Shift(hrs): 0.00
         Curve Number: 81.15               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13I1300B                Node: EVERGRN                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 8.170                      Time Shift(hrs): 0.00
         Curve Number: 76.19               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1500B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 6.520                      Time Shift(hrs): 0.00
         Curve Number: 88.93               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1501B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 91.470                     Time Shift(hrs): 0.00
         Curve Number: 84.65               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1502B                Node: 13I1502N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.480                      Time Shift(hrs): 0.00
         Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1504B                Node: 13I1504N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.000                      Time Shift(hrs): 0.00
         Curve Number: 90.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1510B                Node: 13I1510N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 22.610                     Time Shift(hrs): 0.00
         Curve Number: 80.23               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1512B                Node: 13I1512N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 61.00
            Area(ac): 3.090                    Time Shift(hrs): 0.00
        Curve Number: 80.23             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13I1514B                Node: 13I1514P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 40.00
            Area(ac): 72.830                    Time Shift(hrs): 0.00
        Curve Number: 87.62             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13I1540B                Node: GEM                   Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 15.730                    Time Shift(hrs): 0.00
        Curve Number: 77.99             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13I1560B                Node: ORANGE                Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 21.090                    Time Shift(hrs): 0.00
        Curve Number: 84.34             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13J0300B                Node: 13J0300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.480                     Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13J0320B                Node: 13J0320N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 0.730                     Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13J0340B                Node: 13J0340N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.150                     Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13J0341B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
            Area(ac): 12.670                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0401B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 25.920                    Time Shift(hrs): 0.00
         Curve Number: 67.64             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0402B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.720                     Time Shift(hrs): 0.75
         Curve Number: 74.60             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0600B                Node: 13J0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.580                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0640B                Node: 13J0640N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.310                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0800B                Node: 13J0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.150                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1000B                Node: 13J1000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 70.00
               Area(ac): 17.550                  Time Shift(hrs): 0.00
           Curve Number: 71.70              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1300B                 Node: 13J1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
               Area(ac): 6.110                   Time Shift(hrs): 0.00
           Curve Number: 82.79              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1800B                 Node: 13J1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 19.650                  Time Shift(hrs): 0.00
           Curve Number: 79.44              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1820B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.920                   Time Shift(hrs): 0.00
           Curve Number: 78.75              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1821B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
               Area(ac): 5.830                   Time Shift(hrs): 0.00
           Curve Number: 86.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1822B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 57.00
               Area(ac): 19.330                  Time Shift(hrs): 0.00
           Curve Number: 70.91              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J1900B                 Node: 13J1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.420                   Time Shift(hrs): 0.00
           Curve Number: 92.63              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13J2200B                Node: 13J2200P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 80.580                  Time Shift(hrs): 0.00
        Curve Number: 86.80             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2220B                Node: 13J2220P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 64.00
            Area(ac): 41.260                  Time Shift(hrs): 0.00
        Curve Number: 83.76             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2221B                Node: 13J2221P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.360                  Time Shift(hrs): 0.00
        Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2222B                Node: 13J2222P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.580                  Time Shift(hrs): 0.00
        Curve Number: 91.44             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2231B                Node: 13J2231N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.640                  Time Shift(hrs): 0.00
        Curve Number: 92.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2232B                Node: 13J2232N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 51.00
            Area(ac): 26.810                  Time Shift(hrs): 0.00
        Curve Number: 91.05             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2233B                Node: 13J2233P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 83.00
```

```
             Area(ac): 22.140                 Time Shift(hrs): 0.00
         Curve Number: 88.62              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J2234B                Node: 13J2234P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
             Area(ac): 13.320                  Time Shift(hrs): 0.00
         Curve Number: 81.08              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0250B                Node: 13K0250N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.280                   Time Shift(hrs): 0.00
         Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0400B                Node: 13K0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.310                   Time Shift(hrs): 0.00
         Curve Number: 94.37              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0550B                Node: 13K0550N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.360                   Time Shift(hrs): 0.00
         Curve Number: 93.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0751B                Node: 13K0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 23.820                  Time Shift(hrs): 0.00
         Curve Number: 85.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0752B                Node: 13K0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.070                   Time Shift(hrs): 0.00
         Curve Number: 92.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13K0900B                Node: 13K0900P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.360                     Time Shift(hrs): 0.00
        Curve Number: 90.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1150B                Node: 13K1150P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.440                     Time Shift(hrs): 0.00
        Curve Number: 84.20              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1300B                Node: 13K1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 14.370                    Time Shift(hrs): 0.00
        Curve Number: 82.52              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1500B                Node: 13K1500N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.230                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1600B                Node: 13K1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.950                     Time Shift(hrs): 0.00
        Curve Number: 77.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1650B                Node: PLAZA                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.030                     Time Shift(hrs): 0.00
        Curve Number: 89.99              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1900B                Node: GRIFFIN               Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 53.200                    Time Shift(hrs): 0.00
```

```
          Curve Number: 68.03             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2200B                Node: TROUT                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 51.650                  Time Shift(hrs): 0.00
          Curve Number: 84.45             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2240B                Node: 13K2240P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.010                  Time Shift(hrs): 0.00
          Curve Number: 93.46             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2280B                Node: LOTUS                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 29.860                  Time Shift(hrs): 0.00
          Curve Number: 59.52             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3050B                Node: 13K3050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 19.030                  Time Shift(hrs): 0.00
          Curve Number: 83.96             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3200B                Node: 13K3200P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 44.00
            Area(ac): 23.680                  Time Shift(hrs): 0.00
          Curve Number: 94.50             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4050B                Node: 13K4050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 25.290                  Time Shift(hrs): 0.00
          Curve Number: 76.28             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4200B                Node: 13K4200P               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 21.530                    Time Shift(hrs): 0.00
         Curve Number: 70.44               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13K4400B                 Node: 13K4400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.610                    Time Shift(hrs): 0.00
         Curve Number: 92.54               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0020B                 Node: 13L0020N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.330                     Time Shift(hrs): 0.00
         Curve Number: 84.26               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0040B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
             Area(ac): 48.050                    Time Shift(hrs): 0.00
         Curve Number: 89.56               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0060B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.530                     Time Shift(hrs): 0.00
         Curve Number: 91.45               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0080B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.130                    Time Shift(hrs): 0.00
         Curve Number: 94.99               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0200B                 Node: 13L0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
             Area(ac): 29.370                    Time Shift(hrs): 0.00
         Curve Number: 84.12               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0400B                 Node: 13L0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.180                      Time Shift(hrs): 0.00
         Curve Number: 89.35               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0800B                 Node: TRIPLT-N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 44.00
            Area(ac): 85.140                     Time Shift(hrs): 0.00
         Curve Number: 85.29               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0820B                 Node: 13L0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 24.680                     Time Shift(hrs): 0.00
         Curve Number: 87.90               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1000B                 Node: TRIPLT-M               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 103.250                    Time Shift(hrs): 0.00
         Curve Number: 93.39               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1001B                 Node: TRIPLT-S               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 76.00
            Area(ac): 16.780                     Time Shift(hrs): 0.00
         Curve Number: 82.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1020B                 Node: 13L1020P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
            Area(ac): 26.560                     Time Shift(hrs): 0.00
         Curve Number: 88.23               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1200B                 Node: TRIPLT-S               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 66.390                    Time Shift(hrs): 0.00
          Curve Number: 90.83               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-------------------------------------------------------------------------------------------------
         Name: 13L1201B                 Node: TRIPLT-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 68.00
             Area(ac): 10.960                    Time Shift(hrs): 0.00
          Curve Number: 70.78               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-------------------------------------------------------------------------------------------------
         Name: 13L1202B                 Node: 13L1202N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
             Area(ac): 13.600                    Time Shift(hrs): 0.00
          Curve Number: 74.84               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-------------------------------------------------------------------------------------------------
         Name: 13L1203B                 Node: 13L1203N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
             Area(ac): 1.400                     Time Shift(hrs): 0.00
          Curve Number: 86.81               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-------------------------------------------------------------------------------------------------
         Name: 13L1700B                 Node: QUEENS                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 44.200                    Time Shift(hrs): 0.00
          Curve Number: 88.99               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13L1825B                 Node: 13L1825N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 0.400                     Time Shift(hrs): 0.00
          Curve Number: 89.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13L1829B                 Node: 13L1875P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 19.680                    Time Shift(hrs): 0.00
          Curve Number: 94.04               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1875B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 43.100                    Time Shift(hrs): 0.00
        Curve Number: 95.33              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1876B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 66.800                    Time Shift(hrs): 0.00
        Curve Number: 88.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1877B                 Node: POND7                  Status: Onsite
        Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 31.880                    Time Shift(hrs): 0.00
        Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1878B                 Node: POND7                  Status: Onsite
        Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 17.930                    Time Shift(hrs): 0.00
        Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1895B                 Node: 13L1895P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 7.070                     Time Shift(hrs): 0.00
        Curve Number: 91.66              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1950B                 Node: 13L1950P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 48.700                    Time Shift(hrs): 0.00
        Curve Number: 95.80              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1952B                 Node: 13L1950P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 50.00
             Area(ac): 59.750                    Time Shift(hrs): 0.00
        Curve Number: 88.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L1975B                 Node: 13L1975P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 37.00
             Area(ac): 6.840                     Time Shift(hrs): 0.00
        Curve Number: 96.98               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2050B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 12.090                    Time Shift(hrs): 0.00
        Curve Number: 95.40               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2051B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.390                    Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2052B                 Node: POND8B                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 9.250                     Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2053B                 Node: POND8B                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 41.00
             Area(ac): 29.230                    Time Shift(hrs): 0.00
        Curve Number: 87.17               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2151B                 Node: 13L2300P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.500                     Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13L2152B                Node: POND8B                Status: Onsite
        Group: Scenario2               Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 22.00
             Area(ac): 19.480                   Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2300B                Node: 13L2300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.100                    Time Shift(hrs): 0.00
         Curve Number: 89.20              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2400B                Node: 13L2400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.270                    Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2500B                Node: OXFORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
             Area(ac): 18.730                   Time Shift(hrs): 0.00
         Curve Number: 92.11              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2520B                Node: 13L2520P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 17.240                   Time Shift(hrs): 0.00
         Curve Number: 77.12              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2540B                Node: 13L2540P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.190                    Time Shift(hrs): 0.00
         Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L2560B                Node: 13L2560P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
               Area(ac): 14.370                  Time Shift(hrs): 0.00
           Curve Number: 89.17              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13L2700B                 Node: 13L2700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 18.00
               Area(ac): 5.320                   Time Shift(hrs): 0.00
           Curve Number: 90.43              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------------
         Name: 13L2720B                 Node: 13L2720P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.270                   Time Shift(hrs): 0.00
           Curve Number: 87.11              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13L2750B                 Node: 13L2750P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 29.110                  Time Shift(hrs): 0.00
           Curve Number: 92.83              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------------
         Name: 13L3000B                 Node: 13L3000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.630                   Time Shift(hrs): 0.00
           Curve Number: 92.89              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13L3140B                 Node: 13L3140P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
               Area(ac): 38.090                  Time Shift(hrs): 0.00
           Curve Number: 88.83              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13M0400B                 Node: SECRET                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 89.00
               Area(ac): 30.300                  Time Shift(hrs): 0.00
           Curve Number: 89.27              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13M0500B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                      Time Shift(hrs): 0.00
         Curve Number: 86.69              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0600B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 25.960                     Time Shift(hrs): 0.00
         Curve Number: 90.82              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0601B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
            Area(ac): 7.220                      Time Shift(hrs): 0.00
         Curve Number: 85.60              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0850B                Node: 13M0850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.350                      Time Shift(hrs): 0.00
         Curve Number: 87.59              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0950B                Node: 13M0950N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.500                      Time Shift(hrs): 0.00
         Curve Number: 92.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0990B                Node: 13M0990P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.530                      Time Shift(hrs): 0.00
         Curve Number: 91.76              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M1200B                Node: 13M1200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.490                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1400B                Node: 13M1400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.230                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1500B                Node: 13M1500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.210                    Time Shift(hrs): 0.00
         Curve Number: 91.66             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1520B                Node: 13M1520P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.890                    Time Shift(hrs): 0.00
         Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1800B                Node: CONCORD               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 43.240                   Time Shift(hrs): 0.00
         Curve Number: 93.61             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1925B                Node: 13M1925P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 10.930                   Time Shift(hrs): 0.00
         Curve Number: 95.16             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M2110B                Node: CONCORD               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.080                    Time Shift(hrs): 0.00
         Curve Number: 85.12             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M2130B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 45.190                    Time Shift(hrs): 0.00
         Curve Number: 80.16             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2150B                Node: ELLEN                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.690                    Time Shift(hrs): 0.00
         Curve Number: 80.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2210B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 85.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2230B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.800                     Time Shift(hrs): 0.00
         Curve Number: 86.67             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2250B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.680                     Time Shift(hrs): 0.00
         Curve Number: 87.70             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2254B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 34.00
            Area(ac): 15.010                    Time Shift(hrs): 0.00
         Curve Number: 93.17             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2270B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.020                   Time Shift(hrs): 0.00
           Curve Number: 88.03              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2290B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.660                   Time Shift(hrs): 0.00
           Curve Number: 87.34              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2330B                 Node: 13M2330P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.800                   Time Shift(hrs): 0.00
           Curve Number: 92.06              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2331B                 Node: 13M2331N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.190                   Time Shift(hrs): 0.00
           Curve Number: 86.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision


-----------------------------------------------------------------------------------------------
         Name: 13M2332B                 Node: 13M2332P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
               Area(ac): 6.510                   Time Shift(hrs): 0.00
           Curve Number: 90.96              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2334B                 Node: 13M2334N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.480                   Time Shift(hrs): 0.00
           Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2335B                 Node: 13M2335N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.800                   Time Shift(hrs): 0.00
           Curve Number: 87.95              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision
```

```
--------------------------------------------------------------------------------------------------
         Name: 13M2340B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 14.270                    Time Shift(hrs): 0.00
          Curve Number: 92.08             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13M2341B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 11.050                    Time Shift(hrs): 0.00
          Curve Number: 88.33             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13M2400B                Node: QUAIL                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.160                    Time Shift(hrs): 0.00
          Curve Number: 89.93             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13N0050B                Node: 13N0050P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 13.330                    Time Shift(hrs): 0.00
          Curve Number: 80.05             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13N0100B                Node: 13N0100P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.620                    Time Shift(hrs): 0.00
          Curve Number: 82.15             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13N0200B                Node: 13N0200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.540                     Time Shift(hrs): 0.00
          Curve Number: 95.12             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13N0200B2               Node: LOST                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
               Area(ac): 37.100                  Time Shift(hrs): 0.00
           Curve Number: 91.87              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Renamed from 13N0200B


---------------------------------------------------------------------------------------------------
         Name: 13N0201B                Node: 13N0900P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 69.00
               Area(ac): 9.370                   Time Shift(hrs): 0.00
           Curve Number: 64.25              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0301B                Node: 13N0301P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
               Area(ac): 14.380                  Time Shift(hrs): 0.00
           Curve Number: 83.98              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0600B                Node: 13N0600N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 30.830                  Time Shift(hrs): 0.00
           Curve Number: 83.92              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0650B                Node: CRYSTBWL               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
               Area(ac): 42.380                  Time Shift(hrs): 0.00
           Curve Number: 87.64              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0700B                Node: 13N0700P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.620                   Time Shift(hrs): 0.00
           Curve Number: 96.53              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

---------------------------------------------------------------------------------------------------
         Name: 13N0700B2               Node: YVONNE                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 103.690                 Time Shift(hrs): 0.00
           Curve Number: 77.69              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Renamed from 13N0700B
```

```
-----------------------------------------------------------------------------------------------
         Name: 13N0701B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 56.00
            Area(ac): 31.920                     Time Shift(hrs): 0.00
         Curve Number: 80.36               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13N0710B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.040                     Time Shift(hrs): 0.00
         Curve Number: 87.86               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13N0720B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.910                      Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13N0730B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 18.840                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13N0740B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
            Area(ac): 12.400                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13N0750B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.460                      Time Shift(hrs): 0.00
         Curve Number: 89.10               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13N0751B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 45.470                  Time Shift(hrs): 0.00
         Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0752B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.010                  Time Shift(hrs): 0.00
         Curve Number: 86.68              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0800B                Node: 13N0800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.870                  Time Shift(hrs): 0.00
         Curve Number: 88.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin


-----------------------------------------------------------------------------------------------
         Name: 13N0850B                Node: 13N0750P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.540                  Time Shift(hrs): 0.00
         Curve Number: 93.97              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13N0900B                Node: 13N0900P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 7.370                  Time Shift(hrs): 0.00
         Curve Number: 85.21              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13P0200B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.730                 Time Shift(hrs): 0.00
         Curve Number: 84.24              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P0400B                Node: 13P0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.110                  Time Shift(hrs): 0.00
         Curve Number: 83.44              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P0500B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.800                     Time Shift(hrs): 0.00
          Curve Number: 80.92              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0501B                Node: 13P0501N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.530                      Time Shift(hrs): 0.00
          Curve Number: 88.37              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0502B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.580                      Time Shift(hrs): 0.00
          Curve Number: 87.84              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13P0800B                Node: 13P0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.760                      Time Shift(hrs): 0.00
          Curve Number: 87.02              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13P0900B                Node: 13P0900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.340                      Time Shift(hrs): 0.00
          Curve Number: 88.10              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revision

--------------------------------------------------------------------------------------------------
         Name: 13P0950B                Node: 13P0900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 48.00
            Area(ac): 9.780                      Time Shift(hrs): 0.00
          Curve Number: 87.86              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Changed Name from 13P0900B

--------------------------------------------------------------------------------------------------
         Name: 13P1000B                Node: 13P1000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 28.00
            Area(ac): 11.450                  Time Shift(hrs): 0.00
         Curve Number: 88.25              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1250B                Node: 13P1200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.190                  Time Shift(hrs): 0.00
         Curve Number: 88.79              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1300B                Node: 13P1300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.520                  Time Shift(hrs): 0.00
         Curve Number: 87.24              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1650B                Node: 13P1650N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.150                  Time Shift(hrs): 0.00
         Curve Number: 89.85              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1800B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
            Area(ac): 6.640                  Time Shift(hrs): 0.00
         Curve Number: 92.66              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1801B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.330                  Time Shift(hrs): 0.00
         Curve Number: 91.76              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1810B                Node: 13P1810P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.050                  Time Shift(hrs): 0.00
         Curve Number: 89.91              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin / merge with smaller basins
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P1814B                Node: 13P1814N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
            Area(ac): 5.080                     Time Shift(hrs): 0.00
         Curve Number: 95.15             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1826B                Node: PINEYRDG              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 34.00
            Area(ac): 18.470                    Time Shift(hrs): 0.00
         Curve Number: 91.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1900B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 20.00
            Area(ac): 25.900                    Time Shift(hrs): 0.00
         Curve Number: 96.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1901B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.910                     Time Shift(hrs): 0.00
         Curve Number: 87.54             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1902B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.840                     Time Shift(hrs): 0.00
         Curve Number: 95.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1920B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 9.050                     Time Shift(hrs): 0.00
         Curve Number: 95.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2010B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.910                   Time Shift(hrs): 0.00
           Curve Number: 84.50              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2014B                 Node: PEARL                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.680                   Time Shift(hrs): 0.00
           Curve Number: 84.49              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2050B                 Node: 13P2050N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
               Area(ac): 6.570                   Time Shift(hrs): 0.00
           Curve Number: 93.98              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2250B                 Node: PEARL                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
               Area(ac): 49.850                  Time Shift(hrs): 0.00
           Curve Number: 93.50              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2300B                 Node: 13P2300P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.980                   Time Shift(hrs): 0.00
           Curve Number: 91.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13P2400B                 Node: 13P2400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 6.340                   Time Shift(hrs): 0.00
           Curve Number: 90.28              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New basin

-----------------------------------------------------------------------------------------------
         Name: 13P2400BZ                Node: 13P2400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.370                   Time Shift(hrs): 0.00
           Curve Number: 93.36              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Krystals
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P2600B                 Node: PRAIRIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 29.00
            Area(ac): 344.800                    Time Shift(hrs): 0.00
         Curve Number: 92.32               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2640B                 Node: 13P2640N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 8.490                      Time Shift(hrs): 0.00
         Curve Number: 90.78               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2645B                 Node: 13P2643N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.140                      Time Shift(hrs): 0.00
         Curve Number: 91.89               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2646B                 Node: 13P2644N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.110                     Time Shift(hrs): 0.00
         Curve Number: 93.16               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2648B                 Node: LPRAIRIE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 26.830                     Time Shift(hrs): 0.00
         Curve Number: 86.12               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2660B                 Node: 13P2660P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 26.240                     Time Shift(hrs): 0.00
         Curve Number: 82.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2661B                 Node: 13P2661P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 29.890                  Time Shift(hrs): 0.00
           Curve Number: 63.80              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P2800B                 Node: MALTBIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
               Area(ac): 151.510                 Time Shift(hrs): 0.00
           Curve Number: 88.80              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P2900B                 Node: PRAIRIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
               Area(ac): 24.320                  Time Shift(hrs): 0.00
           Curve Number: 87.91              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P3400B                 Node: 13P3400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 10.00
               Area(ac): 15.470                  Time Shift(hrs): 0.00
           Curve Number: 94.92              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13Q0500B                 Node: 13Q0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.470                   Time Shift(hrs): 0.00
           Curve Number: 88.73              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13Q0820B                 Node: 13Q0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
               Area(ac): 39.920                  Time Shift(hrs): 0.00
           Curve Number: 88.61              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13Q0840B                 Node: 13Q0840P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.110                   Time Shift(hrs): 0.00
           Curve Number: 97.15              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13Q0860B                 Node: 13Q0860P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
            Area(ac): 12.660                     Time Shift(hrs): 0.00
         Curve Number: 59.10               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q0861B                 Node: 13Q0860P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.060                      Time Shift(hrs): 0.00
         Curve Number: 75.88               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q0870B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 10.130                     Time Shift(hrs): 0.00
         Curve Number: 91.75               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0875B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
            Area(ac): 5.110                      Time Shift(hrs): 0.00
         Curve Number: 88.23               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0880B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
            Area(ac): 7.830                      Time Shift(hrs): 0.00
         Curve Number: 85.81               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0885B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
            Area(ac): 9.020                      Time Shift(hrs): 0.00
         Curve Number: 86.88               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0895B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                    Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
```

```
             Area(ac): 2.780                  Time Shift(hrs): 0.00
         Curve Number: 84.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin


-----------------------------------------------------------------------------------------------
        Name: 13Q0924B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
             Area(ac): 5.050                  Time Shift(hrs): 0.00
         Curve Number: 88.68              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
        Name: 13Q0940B                 Node: 13Q0940P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.950                  Time Shift(hrs): 0.00
         Curve Number: 89.16              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
        Name: 13Q1100B                 Node: 13Q0820P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.210                  Time Shift(hrs): 0.00
         Curve Number: 90.49              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
        Name: 13Q1300B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 0.810                  Time Shift(hrs): 0.00
         Curve Number: 90.30              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
        Name: 13Q1600B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.310                  Time Shift(hrs): 0.00
         Curve Number: 92.77              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
        Name: 13Q1900B                 Node: 13Q0924P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 59.00
             Area(ac): 27.530                 Time Shift(hrs): 0.00
         Curve Number: 85.98              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13Q2290B                 Node: 13Q2290P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
              Area(ac): 20.710                  Time Shift(hrs): 0.00
          Curve Number: 69.77              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13Q2300B                 Node: 13Q2300P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 10.550                  Time Shift(hrs): 0.00
          Curve Number: 94.32              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: POND2_B                  Node: POND2                  Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 11.653                  Time Shift(hrs): 0.00
          Curve Number: 84.22              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: POND5                    Node: POND5                  Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
              Area(ac): 23.300                  Time Shift(hrs): 0.00
          Curve Number: 87.63              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: POND7_B                  Node: POND7                  Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
              Area(ac): 33.700                  Time Shift(hrs): 0.00
          Curve Number: 89.35              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: POND8A_B                 Node: POND8A                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
              Area(ac): 12.200                  Time Shift(hrs): 0.00
          Curve Number: 89.50              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: POND8B_B                 Node: POND8B                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                    Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
```

```
              Area(ac): 9.820                  Time Shift(hrs): 0.00
          Curve Number: 89.10             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: WTRSPRGS                 Node: 13A2900N              Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 10.00
              Area(ac): 18.580                  Time Shift(hrs): 0.00
          Curve Number: 82.14             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


=============================================================================================
==== Nodes ==================================================================================
=============================================================================================

      Name: 12-01-02            Base Flow(cfs): 0.000          Init Stage(ft): 9.390
     Group: 12                                                 Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00           9.390
         999.00           9.390

---------------------------------------------------------------------------------------------
      Name: 13A0100N            Base Flow(cfs): 0.300          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         11.050          0.8140
         13.950          1.1630

---------------------------------------------------------------------------------------------
      Name: 13A0300N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          4.650          0.0000
          6.150          0.0010
          6.450          0.0200
          9.150          0.0390
         10.350          0.0800
         10.360          0.3430
         14.050          0.4680
         15.450          0.6060

---------------------------------------------------------------------------------------------
      Name: 13A0500N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 22.780
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          6.150          0.0000
          6.450          0.0190
          9.150          0.0360
         11.550          0.1120
         14.050          0.1880
         15.450          0.3140

---------------------------------------------------------------------------------------------
      Name: 13A0600N            Base Flow(cfs): 0.000          Init Stage(ft): 8.750
     Group: 13A                                                Warn Stage(ft): 9.750
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A0725N Base Flow(cfs): 0.000 Init Stage(ft): 13.880
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A0735P Base Flow(cfs): 0.000 Init Stage(ft): 18.970
Group: 13A Warn Stage(ft): 24.950
Type: Stage/Area

Stage(ft)	Area(ac)
14.450	0.5900
18.950	0.8500
24.950	1.4900
26.950	1.4900

Name: 13A0800N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 9.650
Type: Stage/Area

Stage(ft)	Area(ac)
10.750	0.2440
13.950	0.3900
18.950	0.3900

Name: 13A0820P Base Flow(cfs): 0.000 Init Stage(ft): 21.950
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
20.650	0.5000
20.950	1.0000
23.950	2.0000
24.950	2.1000

Name: 13A0900N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 11.650
Type: Stage/Area

Stage(ft)	Area(ac)
12.150	0.0000
13.950	0.1980
18.950	0.1980

Name: 13A0950N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

```
-------------------------------------------------------------------------------------------
      Name: 13A1000N            Base Flow(cfs): 0.000          Init Stage(ft): 9.810
     Group: 13A                                                Warn Stage(ft): 12.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1100N            Base Flow(cfs): 0.000          Init Stage(ft): 11.310
     Group: 13A                                                Warn Stage(ft): 18.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1300N            Base Flow(cfs): 0.000          Init Stage(ft): 11.330
     Group: 13A                                                Warn Stage(ft): 14.250
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1400N            Base Flow(cfs): 0.000          Init Stage(ft): 13.000
     Group: 13A                                                Warn Stage(ft): 22.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1600N            Base Flow(cfs): 0.000          Init Stage(ft): 14.280
     Group: 13A                                                Warn Stage(ft): 20.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1700N            Base Flow(cfs): 0.000          Init Stage(ft): 16.470
     Group: 13A                                                Warn Stage(ft): 19.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1800N            Base Flow(cfs): 0.000          Init Stage(ft): 17.310
     Group: 13A                                                Warn Stage(ft): 21.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
```

```
      Name: 13A1900N            Base Flow(cfs): 0.000          Init Stage(ft): 19.060
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2100N            Base Flow(cfs): 0.000          Init Stage(ft): 20.430
     Group: 13A                                                Warn Stage(ft): 25.290
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.290          0.0000
         25.950          0.3160

-------------------------------------------------------------------------------------
      Name: 13A2200N            Base Flow(cfs): 0.000          Init Stage(ft): 21.200
     Group: 13A                                                Warn Stage(ft): 26.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2220P            Base Flow(cfs): 0.000          Init Stage(ft): 30.330
     Group: 13A                                                Warn Stage(ft): 32.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         23.950          1.2700
         32.550          2.8500
         33.950          2.8500

-------------------------------------------------------------------------------------
      Name: 13A2300N            Base Flow(cfs): 0.000          Init Stage(ft): 22.590
     Group: 13A                                                Warn Stage(ft): 28.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2350N            Base Flow(cfs): 0.000          Init Stage(ft): 22.630
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A2400N            Base Flow(cfs): 0.000          Init Stage(ft): 24.040
     Group: 13A                                                Warn Stage(ft): 30.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         30.650          0.0000
         30.950          0.3000
         31.950          0.5000
         32.950          0.6500
```

Name: 13A2600N Base Flow(cfs): 0.000 Init Stage(ft): 24.190
Group: 13A Warn Stage(ft): 30.250
Type: Stage/Area

Stage(ft)	Area(ac)
30.250	0.5000
30.950	1.1000
31.950	1.4000

Name: 13A2750N Base Flow(cfs): 0.000 Init Stage(ft): 26.080
Group: 13A Warn Stage(ft): 26.950
Type: Stage/Area

Stage(ft)	Area(ac)
26.950	0.4300
27.950	1.5900
28.950	2.7500
30.950	6.1800
32.950	10.8600
33.950	14.8200

Name: 13A2800N Base Flow(cfs): 0.000 Init Stage(ft): 30.070
Group: 13A Warn Stage(ft): 32.250
Type: Stage/Area

Stage(ft)	Area(ac)
34.250	0.0000
34.950	3.6500

Name: 13A2820P Base Flow(cfs): 0.000 Init Stage(ft): 31.380
Group: 13A Warn Stage(ft): 36.650
Type: Stage/Area

Stage(ft)	Area(ac)
29.950	2.8500
36.650	4.1300
36.950	4.8800
38.950	4.8800

Name: 13A2900N Base Flow(cfs): 0.000 Init Stage(ft): 33.100
Group: 13A Warn Stage(ft): 36.950
Type: Stage/Area

Stage(ft)	Area(ac)
33.950	0.2800
34.950	1.2200
35.950	3.8700
36.950	7.5700
38.950	16.3700

Name: 13A3000N Base Flow(cfs): 0.000 Init Stage(ft): 33.470
Group: 13A Warn Stage(ft): 36.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.150	0.0000
36.950	1.3500
38.950	7.6200

Name: 13A3200N Base Flow(cfs): 0.000 Init Stage(ft): 33.490
Group: 13A Warn Stage(ft): 36.510
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3300N Base Flow(cfs): 0.000 Init Stage(ft): 33.990
Group: 13A Warn Stage(ft): 37.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3320P Base Flow(cfs): 0.000 Init Stage(ft): 36.450
Group: 13A Warn Stage(ft): 41.450
Type: Stage/Area

Stage(ft)	Area(ac)
36.450	0.0000
36.950	0.0800
38.950	0.1300
43.950	0.7200

Name: 13A3400N Base Flow(cfs): 0.000 Init Stage(ft): 34.570
Group: 13A Warn Stage(ft): 36.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3420P Base Flow(cfs): 0.000 Init Stage(ft): 46.950
Group: 13A Warn Stage(ft): 48.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	0.7200
46.950	1.1200
46.960	1.5600
47.950	2.1500
48.950	3.1500
49.950	4.6000
50.950	7.9000

Name: 13A3440P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.650
Type: Stage/Area

Stage(ft)	Area(ac)
47.450	0.0000
47.950	0.0300
48.950	0.8500
49.950	1.3000
50.950	1.8000

Name: 13A3600N Base Flow(cfs): 0.000 Init Stage(ft): 35.040
Group: 13A Warn Stage(ft): 40.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3700N Base Flow(cfs): 0.000 Init Stage(ft): 35.880
Group: 13A Warn Stage(ft): 38.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3900N Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.350
Type: Stage/Area

Stage(ft)	Area(ac)
39.750	0.1290
39.850	0.1290
39.950	0.5600
43.950	0.5600

Name: 13A3910P Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.950	0.0000
37.950	0.4485
38.950	0.5576
39.950	0.7221
40.950	0.8862
41.950	1.0839
42.950	1.2615
43.950	1.4984

Name: 13A3920P Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 41.450
Type: Stage/Area

Stage(ft)	Area(ac)
39.950	3.2500
40.950	3.6092
41.950	5.8554
42.950	6.8624
43.950	7.8317

Name: 13A3930N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 43.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
43.850	0.0100
43.950	0.1000
44.950	0.2000
45.950	0.6000

Name: 13A3940N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 45.550

Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
45.850	0.0100
45.950	0.1000
46.950	0.2500
47.950	0.7000

Name: 13A3950N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A3952P Base Flow(cfs): 0.000 Init Stage(ft): 44.260
Group: 13A Warn Stage(ft): 46.950
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	2.3000
44.950	2.6500
46.650	3.0670
46.950	7.3450
47.950	11.6430
48.950	14.9400

Name: 13A3954P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.250
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	1.1000
50.950	2.5000
53.950	6.0000

Name: 13A3960P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 56.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3962P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 62.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3980N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 46.250
Type: Stage/Area

Stage(ft)	Area(ac)

-1.050	0.0100
98.940	0.0100

Name: 13A3990P Base Flow(cfs): 0.000 Init Stage(ft): 41.590
Group: 13A Warn Stage(ft): 45.750
Type: Stage/Area

Stage(ft)	Area(ac)
40.950	1.8300
41.950	2.0800
42.950	2.3511
43.950	2.6625
44.950	2.8802
45.950	3.3825
46.950	4.6047
47.950	6.0732
48.950	8.6541

Name: 13A4000N Base Flow(cfs): 0.000 Init Stage(ft): 38.190
Group: 13A Warn Stage(ft): 38.750
Type: Stage/Area

Stage(ft)	Area(ac)
39.150	0.0000
39.850	1.3230
39.950	1.7510
41.250	1.9400
41.450	2.0520
43.950	2.0520

Name: 13A4100N Base Flow(cfs): 0.000 Init Stage(ft): 38.420
Group: 13A Warn Stage(ft): 43.050
Type: Stage/Area

Stage(ft)	Area(ac)
40.150	0.4330
43.740	0.4330
43.750	0.7880
43.950	0.7880

Name: 13A4120P Base Flow(cfs): 0.000 Init Stage(ft): 38.810
Group: 13A Warn Stage(ft): 42.150
Type: Stage/Area

Stage(ft)	Area(ac)
37.950	1.2600
38.950	1.4600
39.950	1.6923
40.950	1.9577
41.950	2.2578
42.950	2.5742
43.950	2.6573
44.950	2.7908
44.960	4.1292

Name: 13A4200N Base Flow(cfs): 0.000 Init Stage(ft): 39.200
Group: 13A Warn Stage(ft): 42.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.350	0.6360
48.950	0.6360

```
      Name: 13A4300N            Base Flow(cfs): 0.000          Init Stage(ft): 40.470
     Group: 13A                                                Warn Stage(ft): 40.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         44.950          2.3400
         47.250          3.4530
         47.950          3.7100
         48.950          3.8700

-------------------------------------------------------------------------------------
      Name: 13A4400N            Base Flow(cfs): 0.000          Init Stage(ft): 41.330
     Group: 13A                                                Warn Stage(ft): 43.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         45.750          0.3060
         48.950          0.3060

-------------------------------------------------------------------------------------
      Name: 13A4600N            Base Flow(cfs): 0.000          Init Stage(ft): 41.460
     Group: 13A                                                Warn Stage(ft): 45.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         45.350          0.0000
         47.950          1.4000

-------------------------------------------------------------------------------------
      Name: 13A4700N            Base Flow(cfs): 0.000          Init Stage(ft): 42.170
     Group: 13A                                                Warn Stage(ft): 43.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         43.950          0.0000
         44.950          1.0000
         48.950          3.0000

-------------------------------------------------------------------------------------
      Name: 13A4800N            Base Flow(cfs): 0.000          Init Stage(ft): 42.520
     Group: 13A                                                Warn Stage(ft): 47.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A5000N            Base Flow(cfs): 0.000          Init Stage(ft): 42.750
     Group: 13A                                                Warn Stage(ft): 47.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         41.850          0.0010
         48.150          0.4500
         48.950          0.4500

-------------------------------------------------------------------------------------
      Name: 13A5050N            Base Flow(cfs): 0.000          Init Stage(ft): 43.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
```

```
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5100N            Base Flow(cfs): 0.000          Init Stage(ft): 43.970
     Group: 13A                                                Warn Stage(ft): 48.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5200N            Base Flow(cfs): 0.000          Init Stage(ft): 44.330
     Group: 13A                                                Warn Stage(ft): 49.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5300N            Base Flow(cfs): 0.000          Init Stage(ft): 44.480
     Group: 13A                                                Warn Stage(ft): 51.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5320P            Base Flow(cfs): 0.000          Init Stage(ft): 46.850
     Group: 13A                                                Warn Stage(ft): 51.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         46.850          0.1100
         51.950          0.2200

-------------------------------------------------------------------------------------------
      Name: 13A5400N            Base Flow(cfs): 0.000          Init Stage(ft): 45.050
     Group: 13A                                                Warn Stage(ft): 51.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5500N            Base Flow(cfs): 0.000          Init Stage(ft): 45.660
     Group: 13A                                                Warn Stage(ft): 55.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A5600N            Base Flow(cfs): 0.000          Init Stage(ft): 46.740
     Group: 13A                                                Warn Stage(ft): 53.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500
```

Name: 13A5800N Base Flow(cfs): 0.000 Init Stage(ft): 47.740
Group: 13A Warn Stage(ft): 52.350
Type: Stage/Area

Stage(ft)	Area(ac)
47.050	0.0130
47.750	0.0460
47.850	0.0640
50.250	0.0850
52.350	0.1280
52.950	0.2150
57.950	0.2150

Name: 13A6000P Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	9.3896
50.950	13.5071
51.950	15.3268
52.950	21.9502
53.950	30.0563
54.950	39.7569

Name: 13B0200N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13B0400N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 17.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0500N Base Flow(cfs): 0.000 Init Stage(ft): 15.450
Group: 13B Warn Stage(ft): 18.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0600N Base Flow(cfs): 0.000 Init Stage(ft): 19.650
Group: 13B Warn Stage(ft): 22.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0100N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13C Warn Stage(ft): 13.250

Type: Stage/Area

Stage(ft)	Area(ac)
13.250	0.0000
13.950	0.5000
14.950	0.7000
15.950	1.1000

Name: 13C0200N Base Flow(cfs): 0.000 Init Stage(ft): 9.090
Group: 13C Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0300N Base Flow(cfs): 0.000 Init Stage(ft): 10.210
Group: 13C Warn Stage(ft): 15.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0500N Base Flow(cfs): 0.000 Init Stage(ft): 10.520
Group: 13C Warn Stage(ft): 14.350
Type: Stage/Area

Stage(ft)	Area(ac)
9.270	0.0010
14.350	0.0700
14.950	0.4300
15.950	0.7400
16.950	1.4270
17.950	1.6290
18.950	1.7910

Name: 13C0600N Base Flow(cfs): 0.000 Init Stage(ft): 10.550
Group: 13C Warn Stage(ft): 15.850
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0520
16.550	0.7510
16.950	1.2440
17.550	1.7030
17.950	2.2310
18.950	3.4580

Name: 13C0800N Base Flow(cfs): 0.000 Init Stage(ft): 13.490
Group: 13C Warn Stage(ft): 17.550
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0110
16.550	0.3220
16.950	0.5570
17.550	0.8950
17.950	1.3420
18.950	2.4070

```
-----------------------------------------------------------------------------------------
      Name: 13C1000N            Base Flow(cfs): 0.000          Init Stage(ft): 13.490
     Group: 13C                                                Warn Stage(ft): 17.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         17.750          0.0000
         18.950          0.2400
         19.950          0.4000

-----------------------------------------------------------------------------------------
      Name: 13C1100N            Base Flow(cfs): 0.000          Init Stage(ft): 15.320
     Group: 13C                                                Warn Stage(ft): 20.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13C1200N            Base Flow(cfs): 0.000          Init Stage(ft): 20.840
     Group: 13C                                                Warn Stage(ft): 25.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13C1300N            Base Flow(cfs): 0.700          Init Stage(ft): 22.650
     Group: 13C                                                Warn Stage(ft): 25.130
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.130          0.0000
         26.950          1.6000

-----------------------------------------------------------------------------------------
      Name: 13C1350N            Base Flow(cfs): 0.000          Init Stage(ft): 24.110
     Group: 13C                                                Warn Stage(ft): 25.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.950          0.0000
         26.950          2.8000
         27.950          5.9000
         28.950          8.5000

-----------------------------------------------------------------------------------------
      Name: 13C1400N            Base Flow(cfs): 0.000          Init Stage(ft): 25.550
     Group: 13C                                                Warn Stage(ft): 28.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13C1500N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
```

-100.050	0.0500
97.950	0.0500

Name: 13C1700N Base Flow(cfs): 0.000 Init Stage(ft): 25.990
Group: 13C Warn Stage(ft): 29.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C1800N Base Flow(cfs): 0.000 Init Stage(ft): 27.130
Group: 13C Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C1850N Base Flow(cfs): 0.000 Init Stage(ft): 27.470
Group: 13C Warn Stage(ft): 31.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C1900N Base Flow(cfs): 0.000 Init Stage(ft): 27.910
Group: 13C Warn Stage(ft): 31.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C2000N Base Flow(cfs): 0.000 Init Stage(ft): 30.740
Group: 13C Warn Stage(ft): 34.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C2200P Base Flow(cfs): 0.500 Init Stage(ft): 30.750
Group: 13C Warn Stage(ft): 33.950
Type: Stage/Area

Stage(ft)	Area(ac)
29.950	0.7000
31.950	0.7895
32.950	1.8869
33.950	2.6738
34.950	3.4960
35.950	4.3545
36.950	5.2521

Name: 13C2400P Base Flow(cfs): 0.000 Init Stage(ft): 30.980
Group: 13C Warn Stage(ft): 35.480
Type: Stage/Area

Stage(ft)	Area(ac)
30.950	11.0360
33.950	11.0360
36.950	11.0360

Name: 13D0150N Base Flow(cfs): 0.000 Init Stage(ft): 27.700
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0000
32.950	0.6400

Name: 13D0170P Base Flow(cfs): 0.000 Init Stage(ft): 29.480
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
28.950	0.8360
29.950	0.8472
30.950	0.9339
31.950	1.2313
35.450	4.7310
38.950	8.2310

Name: 13D0200N Base Flow(cfs): 0.000 Init Stage(ft): 29.250
Group: 13D Warn Stage(ft): 34.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0310N Base Flow(cfs): 0.000 Init Stage(ft): 32.800
Group: 13D Warn Stage(ft): 38.350
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0100
38.350	0.0100
38.450	0.0500
41.450	0.0500

Name: 13D0330N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)
32.950	0.0100
38.370	0.0100
38.450	0.0500
98.940	0.0500

Name: 13D0400N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)

-100.050	0.0500
97.950	0.0500

Name: 13D0500N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0700N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.180
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0750N Base Flow(cfs): 0.000 Init Stage(ft): 37.050
Group: 13D Warn Stage(ft): 44.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0800N Base Flow(cfs): 0.000 Init Stage(ft): 38.850
Group: 13D Warn Stage(ft): 45.550
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13F0200N Base Flow(cfs): 0.000 Init Stage(ft): 45.420
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0010
97.950	0.0010

Name: 13F0400P Base Flow(cfs): 0.900 Init Stage(ft): 45.910
Group: 13F Warn Stage(ft): 47.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.050	5.0000
45.550	34.1719
45.950	37.9688
46.950	45.6319
47.950	57.2392
48.950	63.7791
49.950	71.0000

Name: 13F0410P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.950	0.0300
45.950	0.1000
47.950	0.3600
48.950	0.5400
50.950	0.9900
51.950	1.0560

Name: 13F0420P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13F Warn Stage(ft): 51.550
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.3900
48.950	1.3700
51.950	4.2500

Name: 13F0430P Base Flow(cfs): 0.000 Init Stage(ft): 49.150
Group: 13F Warn Stage(ft): 52.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	2.9103
46.950	4.2532
47.950	5.4562
48.950	6.5284
49.950	7.4958
50.950	8.4129
52.950	8.5000

Name: 13F0440P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1700
44.950	0.2700
50.950	0.9800
51.950	1.0000

Name: 13F0450P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1100
44.950	0.1800
50.950	0.6000
51.950	0.6000

Name: 13F0700N Base Flow(cfs): 0.000 Init Stage(ft): 49.910
Group: 13F Warn Stage(ft): 50.580
Type: Stage/Area

Stage(ft)	Area(ac)
49.910	0.0000
49.950	0.0340
50.950	1.1480
51.950	1.5000
52.950	4.3600

```
      Name: 13F0750N            Base Flow(cfs): 0.000          Init Stage(ft): 52.950
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         52.950          0.4000
         53.950          1.0000
         54.950          1.5000

-------------------------------------------------------------------------------------------
      Name: 13F0800N            Base Flow(cfs): 0.000          Init Stage(ft): 53.250
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13F1000P            Base Flow(cfs): 0.000          Init Stage(ft): 54.300
     Group: 13F                                                Warn Stage(ft): 56.800
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         51.150          0.0000
         51.950          6.5452
         52.950         11.3772
         53.950         14.4116
         54.950         18.2470
         55.950         23.1050

-------------------------------------------------------------------------------------------
      Name: 13F1154P            Base Flow(cfs): 0.000          Init Stage(ft): 62.950
     Group: 13F                                                Warn Stage(ft): 66.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13F1158P            Base Flow(cfs): 0.000          Init Stage(ft): -1.050
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13F1300P            Base Flow(cfs): 0.000          Init Stage(ft): 53.250
     Group: 13F                                                Warn Stage(ft): 55.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         51.950          2.0500
         55.950          3.6600
         56.950          3.6600

-------------------------------------------------------------------------------------------
      Name: 13F1374P            Base Flow(cfs): 0.000          Init Stage(ft): 60.150
     Group: 13F                                                Warn Stage(ft): 65.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
```

60.150	0.0100
60.950	0.1824
61.950	0.2081
62.950	0.2463
63.950	0.3243
64.950	0.8000
65.950	1.1700

Name: 13F1378P Base Flow(cfs): 0.000 Init Stage(ft): 58.950
Group: 13F Warn Stage(ft): 65.750
Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.8500
66.450	1.5700

Name: 13G0100N Base Flow(cfs): 0.000 Init Stage(ft): 43.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0200N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0400N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 50.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0500N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 48.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0600N Base Flow(cfs): 0.000 Init Stage(ft): 45.450
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G1200P Base Flow(cfs): 0.000 Init Stage(ft): 45.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
45.750	16.0900
45.950	16.9367
46.950	21.3324
47.950	24.3803
48.950	26.7851
49.950	29.2399
50.950	30.7917

Name: 13G2000N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G2100N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	0.0800
46.950	0.1100
48.950	0.2600

Name: 13H0150P Base Flow(cfs): 0.000 Init Stage(ft): 53.990
Group: 13H Warn Stage(ft): 61.050
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	1.2000
60.050	1.2000
60.950	1.3000
61.950	1.4000

Name: 13H0350P Base Flow(cfs): 0.000 Init Stage(ft): 54.520
Group: 13H Warn Stage(ft): 60.050
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	1.6000
59.250	1.6000
59.950	1.7000
60.950	1.8000

Name: 13I0300N Base Flow(cfs): 0.000 Init Stage(ft): 50.250
Group: 13I Warn Stage(ft): 57.320
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0400N Base Flow(cfs): 0.000 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0610P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13I Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.0520
52.950	0.2100
59.950	0.4790
60.950	0.5000

Name: 13I0620P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13I Warn Stage(ft): 60.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.5680
52.950	1.0050
58.950	1.5610
62.950	2.1940

Name: 13I0700N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0900N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 61.400
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1000N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1500P Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 65.250
Type: Stage/Area

Stage(ft)	Area(ac)
54.450	0.1130
64.450	0.8860
65.950	1.0530
68.950	9.2500

Name: 13I1502N Base Flow(cfs): 0.000 Init Stage(ft): 57.950

```
     Group: 13I                                                Warn Stage(ft): 63.380
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         54.850          0.0100
         63.380          0.0100
         64.550          0.4590
         65.950          0.7810

-------------------------------------------------------------------------------------
      Name: 13I1504N            Base Flow(cfs): 0.000         Init Stage(ft): 57.950
     Group: 13I                                                Warn Stage(ft): 63.780
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         55.350          0.0100
         63.780          0.0100
         65.650          1.0080

-------------------------------------------------------------------------------------
      Name: 13I1506N            Base Flow(cfs): 0.000         Init Stage(ft): 58.750
     Group: 13I                                                Warn Stage(ft): 65.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         58.750          0.0100
         65.050          0.0100
         66.050          0.3880

-------------------------------------------------------------------------------------
      Name: 13I1508N            Base Flow(cfs): 0.000         Init Stage(ft): 58.750
     Group: 13I                                                Warn Stage(ft): 65.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         58.750          0.0100
         65.050          0.0100
         66.050          0.0100

-------------------------------------------------------------------------------------
      Name: 13I1510N            Base Flow(cfs): 0.000         Init Stage(ft): 59.550
     Group: 13I                                                Warn Stage(ft): 65.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         59.550          0.0100
         65.650          0.0100
         68.150          0.2760

-------------------------------------------------------------------------------------
      Name: 13I1512N            Base Flow(cfs): 0.000         Init Stage(ft): 60.050
     Group: 13I                                                Warn Stage(ft): 65.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         60.050          0.0100
         65.650          0.0100
         68.150          0.2760

-------------------------------------------------------------------------------------
      Name: 13I1514P            Base Flow(cfs): 0.000         Init Stage(ft): 61.100
     Group: 13I                                                Warn Stage(ft): 65.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
```

60.950	0.5000
63.950	0.5000
64.950	3.0000
65.950	8.7500
68.950	17.6000

Name: 13J0300N Base Flow(cfs): 0.000 Init Stage(ft): 57.970
Group: 13J Warn Stage(ft): 61.970
Type: Stage/Area

Stage(ft)	Area(ac)
57.880	0.0100
58.750	0.0290
59.700	0.0420
60.450	0.0570
61.150	0.1310
61.350	0.2640
62.050	0.5020
64.550	0.6060

Name: 13J0320N Base Flow(cfs): 0.000 Init Stage(ft): 59.300
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0340N Base Flow(cfs): 0.000 Init Stage(ft): 60.590
Group: 13J Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0360N Base Flow(cfs): 0.000 Init Stage(ft): 61.560
Group: 13J Warn Stage(ft): 66.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0400N Base Flow(cfs): 0.000 Init Stage(ft): 66.050
Group: 13J Warn Stage(ft): 72.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0600N Base Flow(cfs): 0.000 Init Stage(ft): 69.260
Group: 13J Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J0640N Base Flow(cfs): 0.000 Init Stage(ft): 70.280
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J0680N Base Flow(cfs): 0.000 Init Stage(ft): 70.610
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0700N Base Flow(cfs): 0.000 Init Stage(ft): 71.340
Group: 13J Warn Stage(ft): 75.030
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
75.030	0.0100
75.650	0.1000
76.050	0.1000
77.950	0.1000

Name: 13J0800N Base Flow(cfs): 0.000 Init Stage(ft): 71.360
Group: 13J Warn Stage(ft): 76.250
Type: Stage/Area

Stage(ft)	Area(ac)
76.550	0.0000
76.950	0.2000
77.050	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J0900N Base Flow(cfs): 0.000 Init Stage(ft): 72.010
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.350	0.0000
76.250	0.1130
76.950	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J1000N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.2100
77.950	0.7400
78.950	1.4250

Name: 13J1100N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150

Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.0000
77.950	0.5300
78.950	1.2150

Name: 13J1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.430
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6950
77.950	1.0450
78.950	1.2300

Name: 13J1400N Base Flow(cfs): 0.000 Init Stage(ft): 72.710
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6050
77.450	0.6050
77.950	0.9550
78.950	1.1350

Name: 13J1600N Base Flow(cfs): 0.000 Init Stage(ft): 73.180
Group: 13J Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
75.950	0.7200
76.850	2.0050
76.950	2.2980
77.950	3.4880
78.950	3.8880

Name: 13J1800N Base Flow(cfs): 0.000 Init Stage(ft): 73.430
Group: 13J Warn Stage(ft): 76.950
Type: Stage/Area

Stage(ft)	Area(ac)
76.350	0.0000
76.950	0.1100
77.950	0.9600
78.950	1.6600

Name: 13J1820P Base Flow(cfs): 0.000 Init Stage(ft): 77.250
Group: 13J Warn Stage(ft): 82.050
Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.4540
81.900	0.7690
81.950	1.1000
83.950	1.1000

Name: 13J1900N Base Flow(cfs): 0.000 Init Stage(ft): 75.490
Group: 13J Warn Stage(ft): 81.750
Type: Stage/Area

Stage(ft)	Area(ac)
81.750	0.0000
81.950	0.1700
83.950	0.1700

Name: 13J2100N Base Flow(cfs): 0.000 Init Stage(ft): 75.950
Group: 13J Warn Stage(ft): 82.260
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J2200P Base Flow(cfs): 0.400 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 78.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	2.1463
76.950	3.2227
77.950	6.2411
78.950	9.0181
79.950	14.3004
80.950	21.6171
81.950	30.9448
82.950	41.4538

Name: 13J2220P Base Flow(cfs): 0.000 Init Stage(ft): 79.120
Group: 13J Warn Stage(ft): 84.150
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	1.0000
81.950	1.9285
82.950	4.1445
83.950	8.6075

Name: 13J2221P Base Flow(cfs): 0.000 Init Stage(ft): 85.950
Group: 13J Warn Stage(ft): 87.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.0000
85.950	1.7100
86.950	2.1257
87.450	2.3027
88.950	2.5800

Name: 13J2222P Base Flow(cfs): 0.000 Init Stage(ft): 86.950
Group: 13J Warn Stage(ft): 89.200
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.0000
86.950	0.4700
88.950	0.9888
89.950	1.2454

Name: 13J2231N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J2232N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 81.450
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J2233P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13J Warn Stage(ft): 81.850
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0500
81.950	1.3535
82.950	3.1984
83.950	9.1738
84.950	9.3700

Name: 13J2234P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13J Warn Stage(ft): 83.450
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	0.3000
80.950	0.5463
82.950	0.9591
83.950	2.7988
84.950	8.0000

Name: 13K0250N Base Flow(cfs): 0.000 Init Stage(ft): 54.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.340
Group: 13K Warn Stage(ft): 60.670
Type: Stage/Area

Stage(ft)	Area(ac)
55.050	0.0100
55.950	0.0100
56.950	0.0110
59.450	0.0920
59.950	0.1280
60.950	0.2800
61.950	0.9700

Name: 13K0550N Base Flow(cfs): 0.000 Init Stage(ft): 56.510
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0650N Base Flow(cfs): 0.000 Init Stage(ft): 58.590
Group: 13K Warn Stage(ft): 64.350
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.750	0.0100
62.950	0.1000
63.950	0.1700
64.450	0.5700

Name: 13K0750N Base Flow(cfs): 0.000 Init Stage(ft): 58.790
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.710	0.0100
62.750	0.1230
63.950	0.3020
64.950	4.1610
65.950	4.5770

Name: 13K0820N Base Flow(cfs): 0.000 Init Stage(ft): 59.510
Group: 13K Warn Stage(ft): 62.630
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.630	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0860N Base Flow(cfs): 0.000 Init Stage(ft): 59.540
Group: 13K Warn Stage(ft): 62.120
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.120	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0900P Base Flow(cfs): 0.000 Init Stage(ft): 61.070
Group: 13K Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.2257

60.950	0.2973
61.950	0.6281
62.950	0.8540
63.950	1.6958
64.950	2.1400
65.950	2.6800
66.950	3.1500
67.950	3.4200
68.950	4.0500

Name: 13K1100N Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.180	0.0100
68.950	0.1700

Name: 13K1150P Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
59.450	0.0100
59.950	0.1100
60.950	0.1446
61.950	0.2066
62.950	0.2778
68.950	3.2700

Name: 13K1300N Base Flow(cfs): 0.000 Init Stage(ft): 59.560
Group: 13K Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	0.0800
68.950	0.6890

Name: 13K1500N Base Flow(cfs): 0.000 Init Stage(ft): 71.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K1600N Base Flow(cfs): 0.000 Init Stage(ft): 72.510
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K1750N Base Flow(cfs): 0.000 Init Stage(ft): 72.610
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.460	0.0100

75.350	0.0100
75.450	0.0570
75.710	0.1150
78.950	0.1150

Name: 13K2000N Base Flow(cfs): 0.000 Init Stage(ft): 78.690
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13K2240P Base Flow(cfs): 0.000 Init Stage(ft): 78.950
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	1.0000
83.950	1.0000

Name: 13K3050P Base Flow(cfs): 0.000 Init Stage(ft): 77.900
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.1532
77.950	5.4391
78.950	8.6887

Name: 13K3200P Base Flow(cfs): 0.000 Init Stage(ft): 79.550
Group: 13K Warn Stage(ft): 81.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.450	0.0100
78.940	0.0227
78.950	0.4151
81.950	0.5046
83.950	0.5046

Name: 13K4050P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.8514
77.950	8.4933
78.950	10.6000

Name: 13K4200P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	1.2016
81.950	2.8369
82.950	5.7521
83.950	7.2505

Name: 13K4400P Base Flow(cfs): 0.000 Init Stage(ft): 79.290
Group: 13K Warn Stage(ft): 82.150
Type: Stage/Area

Stage(ft)	Area(ac)
79.290	0.7500
81.950	0.7500
83.950	0.7500

Name: 13L0020N Base Flow(cfs): 0.000 Init Stage(ft): 51.850
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L0040P Base Flow(cfs): 0.000 Init Stage(ft): 51.950
Group: 13L Warn Stage(ft): 53.230
Type: Stage/Area

Stage(ft)	Area(ac)
51.150	1.4980
51.950	12.5760
52.950	13.5500
53.950	16.1207
54.950	20.8151

Name: 13L0200N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 54.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L0400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 54.850
Type: Stage/Area

Stage(ft)	Area(ac)
49.430	0.0500
999.000	0.0500

Name: 13L0820P Base Flow(cfs): 0.000 Init Stage(ft): 50.950
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	0.0000
50.950	0.8548
51.950	1.1475
52.950	1.6059
53.950	2.1582
54.950	3.3576
55.950	4.4817

Name: 13L1020P Base Flow(cfs): 0.000 Init Stage(ft): 53.450
Group: 13L Warn Stage(ft): 56.350

Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
50.260	0.0010
50.760	0.0560
51.260	0.1290
51.760	0.4990
52.260	1.1780
52.760	2.1130
53.260	2.7390
53.760	3.1550
54.260	3.4400
54.760	3.7380
55.260	4.0890
55.760	4.4790
56.260	4.9450
56.760	5.4050
57.260	5.8880
57.760	6.5800
58.260	7.4980
58.760	8.3380
59.260	9.1140
59.760	9.8470
60.260	10.5020
60.760	11.1290
61.260	11.7360
61.760	12.3280
62.260	12.7860
62.760	13.3600
63.260	13.9480
63.760	14.5660
64.260	15.2020
64.760	15.8820
65.260	16.4940
65.760	17.0450
66.260	17.5400
66.760	18.0460
67.260	18.6000
67.760	19.1470
68.260	19.8050
68.760	20.4530
69.260	21.1690
69.760	21.7490
70.260	22.1480
70.760	22.5270
71.260	22.8650
71.760	23.3240
72.260	23.6930
72.760	24.0750
73.260	24.4160
73.760	24.6960
74.260	24.9670
74.760	25.2260
75.260	25.5170
75.760	25.7360
76.260	25.8610
76.760	26.0320
77.260	26.1200
77.760	26.2110
78.260	26.2900
78.760	26.3680
79.260	26.3940
79.760	26.4300
80.260	26.4740
80.760	26.5420
81.460	26.5620
91.460	26.5620

Name: 13L1202N Base Flow(cfs): 0.000 Init Stage(ft): 58.500
Group: GEE Warn Stage(ft): 60.580
Type: Stage/Area

Current: Stage-area derived from DEM using ArcHydro method
Previous: MXT-ZA est from contours (58,0.11; 59,0.22; 60,0.36; 61,0.86); Stage area based on DEM

Stage(ft)	Area(ac)
57.110	0.0010
57.610	0.0840
58.110	0.1120

58.610	0.1580
59.110	0.2480
59.610	0.3070
60.110	0.3760
60.610	0.6180
61.110	1.0300
61.610	1.4080
62.110	1.6170
62.610	1.8140
63.110	2.0440
63.610	2.2530
64.110	2.4780
64.610	2.7620
65.110	3.0250
65.610	3.1920
66.110	3.3600
66.610	3.5490
67.110	3.7470
67.610	4.1330
68.110	4.4300
68.610	4.7790
69.110	5.1600
69.610	5.5520
70.110	6.0120
70.610	6.4200
71.110	6.6750
71.610	6.9050
72.110	7.1490
72.610	7.3850
73.110	7.7050
73.610	8.0960
74.110	8.4720
74.610	9.0290
75.110	9.6770
75.610	10.7080
76.110	12.0370
76.610	12.9830
77.110	13.3050
77.610	13.4650
78.110	13.5180
78.610	13.5520
79.140	13.5650
89.140	13.5650

Name: 13L1203N Base Flow(cfs): 0.000 Init Stage(ft): 56.900
Group: GEE Warn Stage(ft): 60.650
Type: Stage/Area

Stage-area from DEM; Zi from upstream invert of 13L1203C;

Stage(ft)	Area(ac)
56.900	0.0010
59.380	0.0010
59.880	0.0020
60.380	0.0100
60.880	0.0650
61.380	0.1000
61.880	0.1240
62.380	0.1380
62.880	0.1560
63.380	0.1740
63.880	0.1960
64.380	0.2200
64.880	0.2500
65.380	0.3010
65.880	0.3550
66.380	0.4250
66.880	0.5140
67.380	0.6100
67.880	0.7710
68.380	0.8870
68.880	0.9790
69.380	1.1220
69.880	1.2000
70.380	1.2840
70.880	1.3910
71.200	1.4390

Name: 13L1400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1600N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1825N Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 57.350
Type: Stage/Area

Revision
Updated Initial stage to match control elevation of drop structure; Stage area based on DEM

Stage(ft)	Area(ac)
49.930	0.0010
50.430	0.0010
50.930	0.0720
51.430	0.0820
51.930	0.0900
52.430	0.1030
52.930	0.1230
53.430	0.1790
53.930	0.2130
54.430	0.2330
54.930	0.2530
55.430	0.2830
55.930	0.3130
56.430	0.3360
56.930	0.3470
57.430	0.3740
57.930	0.3770
58.430	0.3780
58.930	0.3810
59.430	0.3830
59.930	0.3840
60.430	0.3870
61.010	0.3920

Name: 13L1875P Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 58.150
Type: Stage/Area

Stage(ft)	Area(ac)
19.980	0.0010
20.480	0.0010
20.980	0.0010
21.480	0.0010
21.980	0.0010
22.480	0.0010
22.980	0.0020
23.480	0.0020
23.980	0.0020
24.480	0.0020
24.980	0.0020
25.480	0.0020
25.980	0.0020
26.480	0.0020
26.980	0.0020
27.480	0.0020
27.980	0.0020
28.480	0.0020
28.980	0.0020
29.480	0.0020
29.980	0.0020
30.480	0.0020
30.980	0.0020

31.480	0.0020
31.980	0.0020
32.480	0.0020
32.980	0.0020
33.480	0.0020
33.980	0.0020
34.480	0.0020
34.980	0.0020
35.480	0.0020
35.980	0.0020
36.480	0.0030
36.980	0.0030
37.480	0.0030
37.980	0.0030
38.480	0.0030
38.980	0.0030
39.480	0.0030
39.980	0.0030
40.480	0.0050
40.980	0.0050
41.480	0.0050
41.980	0.0060
42.480	0.0060
42.980	0.0070
43.480	0.0070
43.980	0.0080
44.480	0.0090
44.980	0.0090
45.480	0.0090
45.980	0.0090
46.480	0.0090
46.980	0.0090
47.480	0.0090
47.980	0.0090
48.480	0.0100
48.980	0.0100
49.480	0.0100
49.980	0.0110
50.480	0.0130
50.980	0.1180
51.480	0.4190
51.980	0.4780
52.480	0.5540
52.980	0.6940
53.480	0.8920
53.980	1.2270
54.480	1.9650
54.980	3.2930
55.480	4.9630
55.980	7.6270
56.480	10.0960
56.980	13.2160
57.480	15.6100
57.980	19.6020
58.480	21.8310
58.980	24.3040
59.480	25.1080
59.980	26.0050
60.480	26.8020
60.980	27.6380
61.480	28.2510
61.980	28.9870
62.480	29.6660
62.980	30.2620
63.480	30.8590
63.980	31.4790
64.480	31.9320
64.980	32.3470
65.480	32.7570
65.980	33.3290
66.480	34.0350
66.980	35.2460
67.480	36.2770
67.980	37.9180
68.480	38.6440
68.980	39.9270
69.480	41.2340
69.980	43.1190
70.480	44.6610
70.980	47.5200
71.480	49.5530
71.980	53.1600
72.480	56.1280
72.980	61.4560
73.480	64.2210

73.980	68.2630
74.480	71.2350
74.980	75.7090
75.480	78.5030
75.980	84.1480
76.480	88.1040
76.980	96.3010
77.480	99.6430
77.980	104.5450
78.480	106.8830
78.980	110.8430
79.480	112.9400
79.980	116.4750
80.480	118.8550
80.980	121.3090
81.480	123.2590
81.980	124.9560
82.480	126.5290
82.980	127.7610
83.480	128.9570
83.980	130.0490
84.480	131.1390
84.980	132.3040
85.480	133.5410
85.980	134.8710
86.480	136.2690
86.980	137.5640
87.480	138.7430
87.980	139.9550
88.480	141.1380
88.980	142.2810
89.480	143.4470
89.980	144.7540
90.480	146.0650
90.980	147.3960
91.480	149.0050
91.980	150.2680
92.480	151.7100
92.980	152.9920
93.480	153.9410
93.980	155.0400
94.480	156.7220
94.980	159.0430
95.480	160.5470
95.980	160.9980
96.580	161.0340
106.580	161.0340

Name: 13L1895P Base Flow(cfs): 0.000 Init Stage(ft): 52.750
Group: 13L Warn Stage(ft): 58.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.750	0.0010
53.140	0.0010
53.640	0.0110
54.140	0.1500
54.640	0.8640
55.140	1.4150
55.640	1.6460
56.140	1.8580
56.640	2.0370
57.140	2.2140
57.640	2.4000
58.140	2.6040
58.640	2.8390
59.140	3.0410
59.640	3.0980
60.140	3.1500
60.640	3.2390
61.140	3.3640
61.640	3.4680
62.140	3.6010
62.640	3.7900
63.140	4.0580
63.640	4.3660
64.140	4.6100
64.640	4.7900
65.140	4.9600
65.640	5.1560
66.140	5.3070

66.640	5.4280
67.140	5.5960
67.640	5.9400
68.140	6.1090
68.640	6.2950
69.140	6.5350
69.640	6.7540
70.140	6.8910
70.640	6.9600
71.300	7.0580

Name: 13L1950P Base Flow(cfs): 0.000 Init Stage(ft): 52.960
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage(ft)	Area(ac)
52.960	0.0010
53.460	0.5550
53.960	6.8410
54.460	19.5720
54.960	23.4260
55.460	24.9060
55.960	26.0450
56.460	27.1730
56.960	28.3790
57.460	29.5470
57.960	30.5830
58.460	31.6030
58.960	32.6030
59.460	33.3010
59.960	33.8490
60.460	34.4000
60.960	34.9770
61.460	35.6290
61.960	36.3930
62.460	37.1910
62.960	37.8420
63.460	38.4100
63.960	38.9780
64.460	39.5670
64.960	40.4320
65.460	41.3910
65.960	42.5850
66.460	43.4330
66.960	44.2840
67.460	44.9350
67.960	45.5040
68.460	46.1490
68.960	46.7450
69.460	47.3920
69.960	48.0600
70.460	49.0440
70.960	50.3760
71.460	51.4040
71.960	52.7080
72.460	53.8200
72.960	55.1470
73.460	56.3380
73.960	57.2820
74.460	58.2220
74.960	59.2800
75.460	60.2580
75.960	61.1840
76.460	62.1400
76.960	63.2200
77.460	64.2970
77.960	65.4240
78.460	66.7330
78.960	67.9670
79.460	69.3940
79.960	70.8050
80.460	72.2610
80.960	73.5280
81.460	74.9440
81.960	76.2520
82.460	77.6150
82.960	79.3260
83.460	80.7900
83.960	82.4780
84.460	83.9110
84.960	85.2120

85.460	86.6950
85.960	88.2280
86.460	89.4510
86.960	90.4730
87.460	91.5150
87.960	92.7590
88.460	93.6400
88.960	94.5000
89.460	95.2510
89.960	96.3490
90.460	97.5570
90.960	98.7350
91.460	99.9460
91.960	101.3210
92.460	102.7130
92.960	104.1650
93.460	105.9060
93.960	106.9660
94.460	107.4410
94.960	107.6450
95.460	107.8900
95.960	108.2350
96.460	108.4220
96.960	108.4810
97.240	108.4980
107.240	108.4980

Name: 13L1975P Base Flow(cfs): 0.000 Init Stage(ft): 53.180
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage(ft)	Area(ac)
53.180	0.0010
53.680	0.3240
54.180	2.2280
54.680	3.8760
55.180	4.5080
55.680	4.7900
56.180	5.0480
56.680	5.3000
57.180	5.6000
57.680	5.9440
58.180	6.2280
58.680	6.5510
59.180	6.7870
59.680	6.8290
60.180	6.8350
60.910	6.8410
70.910	6.8410

Name: 13L2050P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage(ft)	Area(ac)
52.750	0.0000
54.120	0.0010
54.620	0.0810
55.120	0.3210
55.620	1.2130
56.120	3.0340
56.620	4.6270
57.120	5.6730
57.620	6.4990
58.120	6.9930
58.620	7.3460
59.120	7.6410
59.620	7.8750
60.120	8.0920
60.620	8.3060
61.120	8.5590
61.620	8.7720
62.120	8.9420
62.620	9.1040
63.120	9.3890
63.620	9.7590
64.120	10.2200

64.620	10.7390
65.120	11.3650
65.620	12.1260
66.120	12.9280
66.620	13.7020
67.120	14.3970
67.620	15.0610
68.120	15.7250
68.620	16.3370
69.120	17.0640
69.620	17.7340
70.120	18.4260
70.620	19.2410
71.120	20.2680
71.620	21.1110
72.120	21.8190
72.620	22.5110
73.120	23.0830
73.620	23.7510
74.120	24.2910
74.620	25.0760
75.120	26.0120
75.620	26.6620
76.120	27.0530
76.620	27.4380
77.120	28.0470
77.620	28.3880
78.120	28.5770
78.620	28.7480
79.120	28.9720
79.620	29.1750
80.120	29.3250
80.620	29.4310
81.120	29.5870
81.620	29.7490
82.120	29.8480
82.620	29.9280
83.120	30.0100
83.620	30.1850
84.120	30.5090
84.620	31.0510
85.120	31.6460
85.620	32.5450
86.120	33.3990
86.620	34.1850
87.120	34.9450
87.620	35.8700
88.120	37.0780
88.620	38.3630
89.120	39.9730
89.620	41.5550
90.120	43.5720
90.620	45.7540
91.120	47.9750
91.620	50.3900
92.120	52.4160
92.620	54.1670
93.120	56.0200
93.620	57.2080
94.120	58.8970
94.620	60.1710
95.120	60.7980
95.620	60.8790
96.120	60.9540
96.380	60.9560
106.380	60.9560

Name: 13L2150N Base Flow(cfs): 0.000 Init Stage(ft): 56.250
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L2300P Base Flow(cfs): 0.000 Init Stage(ft): 62.440
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
62.400	0.4780
62.900	0.5290
63.400	0.5560
63.900	0.5880
64.400	0.6090
64.900	0.6300
65.400	0.6590
65.900	0.6920
66.400	0.7640
66.900	0.9030
67.400	1.1150
67.900	1.4620
68.400	1.9890
68.900	2.4830
69.400	2.8560
69.900	3.1860
70.400	3.5100
70.900	3.7270
71.400	3.9540
71.900	4.2310
72.400	4.5530
72.900	4.9280
73.400	5.2590
73.900	5.5180
74.400	5.8410
74.900	6.3070
75.400	6.8070
75.900	6.9520
76.400	7.2000
76.900	7.4360
77.440	7.5940

Name: 13L2400N Base Flow(cfs): 0.000 Init Stage(ft): 62.950
Group: 13L Warn Stage(ft): 71.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
62.950	0.0010
70.920	0.0010
71.420	0.0970
71.920	0.5560
72.420	1.1990
72.920	1.6920
73.420	2.0370
73.920	2.3080
74.420	2.6810
74.920	3.1780
75.420	3.6000
75.920	3.7070
76.420	3.7800
76.920	3.9070
77.420	3.9830
77.920	4.0280
78.420	4.0750
78.920	4.0990
79.420	4.1450
79.920	4.1720
80.420	4.2100
80.920	4.2570
81.420	4.2600
82.090	4.2630

Name: 13L2520P Base Flow(cfs): 0.000 Init Stage(ft): 74.950
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1250
78.950	0.1250
83.950	0.1250

Name: 13L2540P Base Flow(cfs): 0.000 Init Stage(ft): 71.450
Group: 13L Warn Stage(ft): 78.950

Type: Stage/Area

Stage(ft)	Area(ac)
70.950	0.1500
78.950	0.1500
83.950	0.1500

Name: 13L2560P Base Flow(cfs): 0.000 Init Stage(ft): 82.100
Group: 13L Warn Stage(ft): 88.950
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	0.6500
85.450	0.6500
88.950	0.6500

Name: 13L2700N Base Flow(cfs): 0.000 Init Stage(ft): 69.070
Group: 13L Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1700
75.950	0.4700
76.950	1.0300
78.950	1.8100

Name: 13L2720P Base Flow(cfs): 0.000 Init Stage(ft): 72.550
Group: 13L Warn Stage(ft): 74.950
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	0.3100
72.950	0.3500
73.950	0.4800
74.950	0.6000
75.950	0.6600

Name: 13L2750P Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13L Warn Stage(ft): 80.500
Type: Stage/Area

Revision
GCS_1045_CP (NGVD 29)
Existing Stormwater Pond - PDF pg. 18/19

Stage(ft)	Area(ac)
70.270	0.0010
74.000	1.4800
76.000	1.7200
78.000	1.9300
80.000	2.2900

Name: 13L2800N Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13L Warn Stage(ft): 77.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3000N Base Flow(cfs): 0.000 Init Stage(ft): 72.400
Group: 13L Warn Stage(ft): 77.950

Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3100N Base Flow(cfs): 0.000 Init Stage(ft): 72.750
Group: 13L Warn Stage(ft): 80.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3140P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13L Warn Stage(ft): 84.550
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0100
81.750	3.7804
82.950	4.3588
83.950	4.8582
84.950	5.5824
85.950	6.1121
86.950	7.3624

Name: 13M0300N Base Flow(cfs): 0.000 Init Stage(ft): 50.900
Group: 13M Warn Stage(ft): 54.550
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13M0850N Base Flow(cfs): 0.000 Init Stage(ft): 50.910
Group: 13M Warn Stage(ft): 57.280
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M0950N Base Flow(cfs): 0.000 Init Stage(ft): 51.520
Group: 13M Warn Stage(ft): 56.260
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M0970N Base Flow(cfs): 0.000 Init Stage(ft): 51.940
Group: 13M Warn Stage(ft): 55.810
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

```
-----------------------------------------------------------------------------------------
      Name: 13M0990P            Base Flow(cfs): 0.000          Init Stage(ft): 57.640
     Group: 13M                                                Warn Stage(ft): 57.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         54.600          0.2500
         57.950          0.2500
         58.950          0.2500
         59.050          0.7500
         59.950          1.1500

-----------------------------------------------------------------------------------------
      Name: 13M1100N            Base Flow(cfs): 0.000          Init Stage(ft): 52.650
     Group: 13M                                                Warn Stage(ft): 56.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         56.350          0.6900
         56.950          1.0300
         57.950          1.3800

-----------------------------------------------------------------------------------------
      Name: 13M1200N            Base Flow(cfs): 0.000          Init Stage(ft): 54.250
     Group: 13M                                                Warn Stage(ft): 56.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         56.850          0.0000
         58.950          0.3700

-----------------------------------------------------------------------------------------
      Name: 13M1400N            Base Flow(cfs): 0.000          Init Stage(ft): 54.730
     Group: 13M                                                Warn Stage(ft): 58.580
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13M1500N            Base Flow(cfs): 0.000          Init Stage(ft): 55.260
     Group: 13M                                                Warn Stage(ft): 58.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13M1520P            Base Flow(cfs): 0.000          Init Stage(ft): 59.950
     Group: 13M                                                Warn Stage(ft): 61.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         57.950          0.1000
         61.450          0.1000
         61.550          0.8500
         61.950          1.0000

-----------------------------------------------------------------------------------------
      Name: 13M1600N            Base Flow(cfs): 0.000          Init Stage(ft): 56.000
     Group: 13M                                                Warn Stage(ft): 61.040
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M1925P Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13M Warn Stage(ft): 66.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	0.5000
66.950	0.5000
68.950	0.8000

Name: 13M2317N Base Flow(cfs): 0.000 Init Stage(ft): 55.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)

Stage(ft)	Area(ac)
55.910	0.0500
999.000	0.0500

Name: 13M2318N Base Flow(cfs): 0.000 Init Stage(ft): 57.240
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)

Stage(ft)	Area(ac)
57.240	0.0500
999.000	0.0500

Name: 13M2319N Base Flow(cfs): 0.000 Init Stage(ft): 58.020
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-30

Stage(ft)	Area(ac)
58.020	0.0500
999.000	0.0500

Name: 13M2320N Base Flow(cfs): 0.000 Init Stage(ft): 58.170
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-28

Stage(ft)	Area(ac)
58.170	0.0500
999.000	0.0500

Name: 13M2330P Base Flow(cfs): 0.000 Init Stage(ft): 65.250
Group: 13M Warn Stage(ft): 68.000
Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area to match current terrain

Stage(ft)	Area(ac)
65.000	0.4200

66.000	0.5100
67.000	0.5700
68.000	0.6700
69.000	1.3300

Name: 13M2331N Base Flow(cfs): 0.000 Init Stage(ft): 66.700
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

New Node
Ditch near Pond 2
GCS_1037_SD (NAVD 29)

Stage(ft)	Area(ac)
66.000	0.0100
68.000	0.0190
69.000	0.1100
70.000	0.2700

Name: 13M2332P Base Flow(cfs): 0.000 Init Stage(ft): 73.220
Group: 13M Warn Stage(ft): 74.450
Type: Stage/Area

Revision
Updated initial stage to match control elev.
Updated stage/are to match current terrain

Stage(ft)	Area(ac)
69.790	0.0100
70.290	0.0820
70.790	0.0950
71.290	0.0980
71.790	0.1060
72.290	0.1110
72.790	0.1190
73.290	0.1290
73.790	0.1390
74.290	0.1530
74.790	0.1960
75.290	0.2790
75.790	0.3880
76.290	0.4980
76.790	0.6000

Name: 13M2333N Base Flow(cfs): 0.000 Init Stage(ft): 62.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Added
GCS_1037_SD (NGVD 29)
S-36

Stage(ft)	Area(ac)
62.910	0.0500
999.000	0.0500

Name: 13M2334N Base Flow(cfs): 0.000 Init Stage(ft): 59.220
Group: 13M Warn Stage(ft): 67.860
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-32

Stage(ft)	Area(ac)
59.220	0.0100
67.860	0.0100

Name: 13M2335N Base Flow(cfs): 0.000 Init Stage(ft): 64.000
Group: 13M Warn Stage(ft): 70.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-44; Stage area based on DEM

Stage(ft)	Area(ac)
64.000	0.0010
68.890	0.0010
69.390	0.0010
69.890	0.0010
70.390	0.0050
70.890	0.0160
71.390	0.0650
71.890	0.1660
72.390	0.2340
72.890	0.3150
73.390	0.4750
73.890	0.8400
74.390	1.3840
74.890	1.5850
75.390	1.6830
75.890	1.7170
76.390	1.7440
76.890	1.7710
77.390	1.8100
77.890	1.8550
78.390	1.9160
78.890	1.9380
79.390	1.9590
79.890	1.9860
80.390	2.0180
80.890	2.0710
81.390	2.0990
81.890	2.1110
82.390	2.1360
82.890	2.1530
83.390	2.1610
83.890	2.1680
84.390	2.1760
84.980	2.1860
94.980	2.1860

Name: 13M2340P Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13M Warn Stage(ft): 70.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
69.540	0.0010
70.040	1.7880
70.540	1.8720
71.040	1.9480
71.540	2.1170
72.040	2.7730
72.540	3.2560
73.040	3.7410
73.540	4.2130
74.040	4.7240
74.540	5.1980
75.040	5.6420
75.540	6.0320
76.040	6.5030
76.540	7.0140
77.040	7.5120
77.540	7.9990
78.040	8.4020
78.540	8.7250
79.040	8.9570
79.540	9.1710
80.040	9.3840
80.540	9.6410
81.040	9.9040
81.540	10.1970
82.040	10.6110
82.540	11.0540
83.040	11.5110
83.540	11.8860
84.040	12.2540
84.540	12.6600
85.040	13.0870
85.540	13.6090
86.040	14.2270

86.540	14.6050
87.040	14.9420
87.540	15.3370
88.040	15.9170
88.540	16.5160
89.040	17.2740
89.540	17.9570
90.040	19.0270
90.540	19.9320
91.040	20.8070
91.540	21.3890
92.040	22.1120
92.540	22.7370
93.040	23.0890
93.540	23.7600
94.040	24.2660
94.540	24.5930
95.040	25.0100
95.540	25.1480
96.210	25.1910
106.210	25.1910

Name: 13N0050P Base Flow(cfs): 0.000 Init Stage(ft): 52.340
Group: 13N Warn Stage(ft): 60.000
Type: Stage/Area

Added
pond
field recon by BRW/CLR on 12/7/15 - determined to be a closed basin
initital stage estimated from terrain; Stage area based on DEM

Stage(ft)	Area(ac)
52.340	0.0010
52.840	1.4800
53.340	1.5270
53.840	1.6040
54.340	1.6860
54.840	1.7710
55.340	1.8570
55.840	1.9670
56.340	2.1600
56.840	2.5410
57.340	3.1700
57.840	3.8650
58.340	4.8820
58.840	6.0270
59.340	7.8600
59.840	9.2330
60.340	10.6810
60.840	12.4280
61.340	14.5940
61.840	16.8430
62.340	18.9130
62.840	21.2710
63.340	23.4780
63.840	25.6850
64.340	27.7830
64.840	29.8970
65.340	31.4700
65.840	32.2000
66.340	32.7940
66.840	33.3050
67.340	33.6950
67.840	34.0470
68.340	34.3150
68.840	34.6340
69.340	35.0280
69.840	35.4790
70.340	35.8570
70.840	36.1310
71.340	36.2880
71.840	36.4580
72.340	36.5660
73.050	36.6320

Name: 13N0100P Base Flow(cfs): 0.000 Init Stage(ft): 52.040
Group: 13N Warn Stage(ft): 55.500
Type: Stage/Area

Revision
Tract E
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.290	0.0010
51.790	1.7520
52.290	1.8420
52.790	1.9020
53.290	1.9890
53.790	2.1070
54.290	2.2270
54.790	2.3450
55.290	2.4770
55.790	2.7820
56.290	3.3330
56.790	4.2670
57.290	5.5200
57.790	6.9540
58.290	8.5390
58.790	10.1630
59.290	11.8610
59.790	12.9170
60.290	13.5430
60.790	13.8880
61.290	14.3840
61.790	15.0110
62.290	15.3870
62.790	15.6080
63.040	15.6180

Name: 13N0150N Base Flow(cfs): 0.000 Init Stage(ft): 50.960
Group: 13N Warn Stage(ft): 56.670
Type: Stage/Area

Revision
D110A
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.960	0.0100
999.000	0.0100

Name: 13N0200P Base Flow(cfs): 0.000 Init Stage(ft): 54.010
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
Tract F
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.460	0.0010
51.960	0.2060
52.460	0.6500
52.960	0.9960
53.460	1.3280
53.960	1.5840
54.460	1.9460
54.960	2.4950
55.460	2.7920
55.960	3.0770
56.460	3.3240
56.960	3.4330
57.460	3.4820
57.960	3.5190
58.460	3.5370
58.960	3.5420
59.280	3.5440

Name: 13N0250N Base Flow(cfs): 0.000 Init Stage(ft): 50.990
Group: 13N Warn Stage(ft): 56.500
Type: Stage/Area

Revision
D115
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.990	0.0500

999.000	0.0500

Name: 13N0300N Base Flow(cfs): 0.000 Init Stage(ft): 51.400
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

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GCS_1048_SD

Stage(ft)	Area(ac)
51.000	0.0500
999.000	0.0500

Name: 13N0301P Base Flow(cfs): 0.000 Init Stage(ft): 55.500
Group: 13N Warn Stage(ft): 58.600
Type: Stage/Area

Added
initial stage from terrian; Stage-area re-calculated; stage area based on DEM

Stage(ft)	Area(ac)
53.050	0.0010
53.550	0.1280
54.050	0.1530
54.550	0.1710
55.050	0.1890
55.550	0.2180
56.050	0.2470
56.550	0.2980
57.050	0.4610
57.550	0.9900
58.050	1.2960
58.550	1.9010
59.050	2.9160
59.550	4.0680
60.050	5.8400
60.550	7.6890
61.050	8.8820
61.550	9.7340
62.050	10.3780
62.550	11.0500
63.050	11.7950
63.550	12.4570
64.050	13.0620
64.550	13.4440
65.050	13.7280
65.550	13.8000
66.050	13.8810
66.550	13.9540
67.050	14.0390
67.550	14.0710
68.050	14.1010
68.550	14.1290
69.050	14.1720
69.550	14.2240
70.050	14.3170
70.550	14.3700
71.180	14.3900

Name: 13N0350N Base Flow(cfs): 0.000 Init Stage(ft): 51.460
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
S-121
GCS_1048_SD

Stage(ft)	Area(ac)
51.460	0.0500
999.000	0.0500

Name: 13N0400N Base Flow(cfs): 0.000 Init Stage(ft): 51.900
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0600N Base Flow(cfs): 0.000 Init Stage(ft): 51.910
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0601N Base Flow(cfs): 0.000 Init Stage(ft): 55.000
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
50.000	0.0500
99.000	0.0500

Name: 13N0700P Base Flow(cfs): 0.000 Init Stage(ft): 52.940
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract L
GCS_1048_SD (Assaumed NAVD 88)
Initial stage from LiDar; stage area based on DEM

Stage(ft)	Area(ac)
52.510	0.0010
53.010	0.0030
53.510	0.0170
54.010	0.4400
54.510	1.7970
55.010	2.7190
55.510	3.0830
56.010	3.3720
56.510	3.5950
57.010	3.8370
57.510	3.9700
58.010	4.0250
58.510	4.0500
59.010	4.0550
59.460	4.0590
69.460	4.0590

Name: 13N0750P Base Flow(cfs): 0.000 Init Stage(ft): 52.330
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Added
Pond
From field recon by BRW/CLR on 12/7/15 - see field notes
initial stage estimated from terrian

Stage(ft)	Area(ac)
52.270	0.0010
52.770	2.0670
53.270	2.6560
53.770	2.7050
54.270	2.7500
54.770	2.7750
55.270	2.8120
55.770	2.8480
56.270	2.8940
56.770	2.9630

Name: 13N0800P Base Flow(cfs): 0.000 Init Stage(ft): 52.260
Group: 13N Warn Stage(ft): 58.000

Type: Stage/Area

Revision
Tract J
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
51.470	0.0010
51.970	0.5310
52.470	0.6380
52.970	0.7030
53.470	0.7670
53.970	0.8290
54.470	0.8990
54.970	0.9680
55.470	1.0880
55.970	1.6290
56.470	2.4430
56.970	3.1470

Name: 13N0805N Base Flow(cfs): 0.000 Init Stage(ft): 51.630
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.630	0.0010
999.000	0.0010

Name: 13N0810N Base Flow(cfs): 0.000 Init Stage(ft): 51.620
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.620	0.0010
999.000	0.0010

Name: 13N0900P Base Flow(cfs): 0.000 Init Stage(ft): 45.970
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Revision
Tract Q
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
45.970	0.1000
51.470	0.1000
51.970	0.8150
52.470	0.8640
52.970	0.9230
53.470	0.9820
53.970	1.0500
54.470	1.1200
54.970	1.1950
55.470	1.3730
55.970	1.7070
56.470	2.1260
56.970	2.8600

Name: 13P0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.110
Group: 13P Warn Stage(ft): 58.870
Type: Stage/Area

Revision
Upated initial stage to match control elev; stage area based on DEM

Stage(ft)	Area(ac)
55.110	0.0010

55.570	0.0010
56.070	0.0030
56.570	0.0040
57.070	0.0050
57.570	0.0110
58.070	0.0240
58.570	0.0490
59.070	0.1390
59.570	0.3330
60.070	0.6420
60.570	0.9510
61.070	1.1900
61.570	1.4900
62.070	1.6400
62.570	1.7850
63.070	1.8750
63.570	1.9360
64.070	1.9770
64.570	2.0010
65.070	2.0200
65.570	2.0430
66.070	2.0600
66.570	2.0700
67.070	2.0780
67.570	2.0870
68.070	2.0950
68.570	2.1050
68.840	2.1120

Name: 13P0450N Base Flow(cfs): 0.000 Init Stage(ft): 54.100
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added

Stage(ft)	Area(ac)
54.100	0.0500
999.000	0.0500

Name: 13P0500P Base Flow(cfs): 0.000 Init Stage(ft): 58.550
Group: 13P Warn Stage(ft): 65.250
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
57.950	0.0010
58.450	0.0950
58.950	0.3340
59.450	0.7290
59.950	1.3810
60.450	1.9400
60.950	2.6570
61.450	3.2130
61.950	3.8410
62.450	4.4150
62.950	5.0670
63.450	5.7280
63.950	6.4340
64.450	7.1890
64.950	7.8850
65.450	8.6610
65.950	9.4550
66.450	10.2570
66.950	11.0710
67.450	11.7250
67.950	12.5100
68.450	13.4050
68.950	14.2870
69.450	15.3930
69.950	16.5070
70.450	17.8230
70.950	18.7660
71.450	19.7060
71.950	20.8490
72.450	21.6610
72.950	22.3090
73.450	22.9250
73.950	23.5860

74.450	24.6380
74.950	25.3840
75.450	26.0680
75.950	26.9520
76.450	27.4540
76.950	27.9430
77.450	28.4180
77.950	29.1640
78.450	29.5970
78.950	29.7180
79.450	29.8160
79.950	29.9020
80.450	29.9690
80.950	30.0650
81.450	30.0990
82.030	30.1040

Name: 13P0501N Base Flow(cfs): 0.000 Init Stage(ft): 68.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage-area from DEM

Stage(ft)	Area(ac)
67.150	0.0010
67.650	0.0370
68.150	0.0860
68.650	0.1460
69.150	0.1990
69.650	0.2500
70.150	0.3060
70.650	0.3820
71.150	0.5000
71.650	0.6820
72.150	0.9140
72.650	1.1150
73.150	1.3760
73.650	1.6010
74.150	1.9780
74.650	2.3860
75.150	2.7120
75.650	3.0020
76.150	3.2390
76.650	3.6600
77.150	4.0010
77.650	4.3760
78.150	4.4910
78.650	4.5070
79.150	4.5190
79.700	4.5310

Name: 13P0800N Base Flow(cfs): 0.000 Init Stage(ft): 63.160
Group: 13P Warn Stage(ft): 69.180
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
67.690	0.0010
68.190	0.0020
68.690	0.0070
69.190	0.0150
69.690	0.0340
70.190	0.0400
70.690	0.0690
71.190	0.1310
71.690	0.2240
72.190	0.3980
72.690	0.4450
73.190	0.5050
73.690	0.5540
74.190	0.6060
74.690	0.6090
75.160	0.6110
85.160	0.6110

Name: 13P0900N Base Flow(cfs): 0.000 Init Stage(ft): 66.200
Group: 13P Warn Stage(ft): 70.150
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
66.200	0.0010
67.930	0.0010
68.430	0.0010
68.930	0.0190
69.430	0.0610
69.930	0.1490
70.430	0.3210
70.930	0.4650
71.430	0.6300
71.930	0.8140
72.430	1.1360
72.930	1.5860
73.430	2.1150
73.930	2.6030
74.430	3.2510
74.930	4.0310
75.430	4.7730
75.930	5.5350
76.430	6.1110
76.930	6.7090
77.430	7.3200
77.930	7.6370
78.430	7.9480
78.930	8.2980
79.430	8.6440
79.930	8.7990
80.430	8.8960
80.930	8.9850
81.430	9.0830
81.930	9.1840
82.430	9.2940
82.930	9.3940
83.430	9.4690
83.930	9.5700
84.430	9.7380
84.930	9.8890
85.430	10.1270
85.930	10.3060
86.430	10.4020
86.930	10.4940
87.430	10.6750
87.930	10.9570
88.430	11.3050
88.930	11.5760
89.430	11.8030
89.710	11.8210
99.710	11.8210

Name: 13P0950N Base Flow(cfs): 0.000 Init Stage(ft): 67.310
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision

Stage(ft)	Area(ac)
67.310	0.0500
999.000	0.0500

Name: 13P1000N Base Flow(cfs): 0.000 Init Stage(ft): 68.700
Group: 13P Warn Stage(ft): 71.250
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.700	0.0010
69.020	0.0010
69.520	0.0070
70.020	0.0230
70.520	0.0520
71.020	0.1000
71.520	0.1590
72.020	0.2190
72.520	0.2640
73.020	0.3330
73.520	0.4210
74.020	0.6350

74.520	1.0100
75.020	1.3410
75.520	1.8300
76.020	2.4720
76.520	2.8540
77.020	3.2460
77.520	3.5840
78.020	3.8450
78.520	4.0170
79.020	4.1860
79.520	4.4630
80.020	4.6560
80.520	4.9940
81.020	5.2960
81.520	5.5580
82.020	5.8080
82.520	6.0300
83.020	6.2910
83.520	6.5520
84.020	6.8060
84.520	7.1010
85.020	7.5630
85.520	7.9700
86.020	8.2820
86.520	8.6510
87.020	9.0640
87.520	9.5880
88.020	10.0740
88.520	10.5040
89.020	10.7670
89.520	10.9520
90.020	11.1280
90.520	11.3520
91.020	11.3890
91.520	11.4100
92.020	11.4330
92.560	11.4540

Name: 13P1200N Base Flow(cfs): 0.000 Init Stage(ft): 70.930
Group: 13P Warn Stage(ft): 74.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
69.790	0.0010
70.290	0.0390
70.790	0.0790
71.290	0.1170
71.790	0.1490
72.290	0.1730
72.790	0.2020
73.290	0.2310
73.790	0.2770
74.290	0.3700
74.790	0.6080
75.290	0.8640
75.790	1.1520
76.290	1.4870
76.790	1.8240
77.290	2.2250
77.790	2.6270
78.290	2.9940
78.790	3.3570
79.290	3.6710
79.790	3.9000
80.290	4.0290
80.790	4.1260
81.530	4.1900
91.530	4.1900

Name: 13P1250N Base Flow(cfs): 0.000 Init Stage(ft): 71.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.000	0.0900
73.000	0.2200
74.000	0.3000

75.000	0.7100
76.000	1.4100

Name: 13P1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.450
Group: 13P Warn Stage(ft): 77.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
72.450	0.0010
73.310	0.0010
73.810	0.0020
74.310	0.0240
74.810	0.2050
75.310	0.3040
75.810	0.3760
76.310	0.5230
76.810	0.5580
77.310	0.5940
77.810	0.6450
78.310	0.8290
78.810	1.0540
79.310	1.1400
79.810	1.1550
80.310	1.1570
80.810	1.1600
81.260	1.1620
91.260	1.1620

Name: 13P1400N Base Flow(cfs): 0.000 Init Stage(ft): 74.550
Group: 13P Warn Stage(ft): 78.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1600N Base Flow(cfs): 0.000 Init Stage(ft): 75.240
Group: 13P Warn Stage(ft): 79.280
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1650N Base Flow(cfs): 0.000 Init Stage(ft): 75.700
Group: 13P Warn Stage(ft): 79.650
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.990	0.0010
75.490	0.0140
75.990	0.0250
76.490	0.0320
76.990	0.0380
77.490	0.0440
77.990	0.0520
78.490	0.0680
78.990	0.1370
79.490	0.4510
79.990	0.5800
80.490	0.7550
80.990	1.0030
81.490	1.2040
81.990	1.2870
82.490	1.3360
82.990	1.3810
83.490	1.4290
83.990	1.4880
84.490	1.5520

84.990	1.6590
85.490	1.7800
85.890	1.8030
95.890	1.8030

Name: 13P1700N Base Flow(cfs): 0.000 Init Stage(ft): 76.010
Group: 13P Warn Stage(ft): 80.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1800P Base Flow(cfs): 0.000 Init Stage(ft): 76.490
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.520	0.0010
75.020	2.0120
75.520	2.1380
76.020	2.2100
76.520	2.2690
77.020	2.3200
77.520	2.3730
78.020	2.4690
78.520	2.5980
79.020	2.8310
79.520	3.2790
80.020	4.0690
80.520	4.7780
81.020	5.7770
81.520	6.9740
82.020	7.2970
82.520	7.5280
83.020	7.8130
83.520	8.0790
84.020	8.3410
84.520	8.6170
85.020	8.9330
85.520	9.2720
86.020	9.5050
86.520	9.6690
87.020	9.7930
87.520	9.8480
88.020	9.8890
88.520	9.9040
89.020	9.9160
89.520	9.9250
90.020	9.9320
90.730	9.9340
100.730	9.9340

Name: 13P1810P Base Flow(cfs): 0.000 Init Stage(ft): 77.110
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
Pond 3 - see sheet 101
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
75.500	0.0500
76.970	0.0500
77.470	0.6190
77.970	0.6580
78.470	0.6850
78.970	0.7070
79.470	0.7330
79.970	0.7640
80.470	0.7950
80.970	0.8380
81.470	0.8980
81.970	0.9560

82.470	1.0200
82.970	1.0900
83.470	1.1560
83.970	1.2260
84.470	1.3070
84.970	1.3950
85.470	1.4970
85.970	1.6230
86.470	1.7930
86.970	1.9820
87.470	2.1530
87.970	2.4000

Name: 13P1811N Base Flow(cfs): 0.000 Init Stage(ft): 82.500
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1812N Base Flow(cfs): 0.000 Init Stage(ft): 81.700
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1813N Base Flow(cfs): 0.000 Init Stage(ft): 81.400
Group: 13P Warn Stage(ft): 86.000
Type: Stage/Area

ADDED
Estimated d/s invert from terrian
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
MES to open channel

Stage(ft)	Area(ac)
81.400	0.0500
999.000	0.0500

Name: 13P1814N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13P Warn Stage(ft): 87.500
Type: Stage/Area

added - Grassy Lake outfall
discharge confirmed by BRW/CLR ON 12/7/15 - see notes
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)

Stage(ft)	Area(ac)
78.590	0.0500
999.000	0.0500

Name: 13P1815N Base Flow(cfs): 0.000 Init Stage(ft): 74.940
Group: 13P Warn Stage(ft): 83.790
Type: Stage/Area

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
warning stage based on parking lot elevation
ESA

Stage(ft)	Area(ac)
74.940	0.0500
999.000	0.0500

```
-----------------------------------------------------------------------------------------
      Name: 13P1820N            Base Flow(cfs): 0.000          Init Stage(ft): 79.150
     Group: 13P                                                Warn Stage(ft): 89.600
      Type: Stage/Area

Modified
updated initial stage from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         80.800          0.0100
         98.940          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P1822N            Base Flow(cfs): 0.000          Init Stage(ft): 81.150
     Group: 13P                                                Warn Stage(ft): 91.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P1824N            Base Flow(cfs): 0.000          Init Stage(ft): 82.650
     Group: 13P                                                Warn Stage(ft): 88.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P2010N            Base Flow(cfs): 0.000          Init Stage(ft): 81.890
     Group: 13P                                                Warn Stage(ft): 90.050
      Type: Stage/Area

Updated initial stage based on survey
GCS_1046_SD (NAVD 88)
DM 6183

      Stage(ft)        Area(ac)
--------------- ---------------
         81.890          0.0100
        999.000          0.0100

-----------------------------------------------------------------------------------------
      Name: 13P2050N            Base Flow(cfs): 0.000          Init Stage(ft): 83.200
     Group: 13P                                                Warn Stage(ft): 90.050
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         82.950          0.0500
         88.950          0.4872
         89.950          1.6958
         90.950          2.7892

-----------------------------------------------------------------------------------------
      Name: 13P2200N            Base Flow(cfs): 0.000          Init Stage(ft): 84.780
     Group: 13P                                                Warn Stage(ft): 87.350
      Type: Stage/Area

Updated initial stage pipe invert

      Stage(ft)        Area(ac)
--------------- ---------------
         84.780          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13P2300P            Base Flow(cfs): 0.000          Init Stage(ft): 87.800
     Group: 13P                                                Warn Stage(ft): 92.000
      Type: Stage/Area

Added
Pond 2 - see sheet 100
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
```

Stage(ft)	Area(ac)
75.800	0.0500
85.310	0.0500
85.810	0.5290
86.310	0.5600
86.810	0.5890
87.310	0.6290
87.810	0.6700
88.310	0.7320
88.810	0.8110
89.310	0.8990
89.810	0.9910
90.310	1.0920
90.810	1.2020
91.310	1.3110
91.810	1.4390
92.310	1.5750
92.810	1.7610
93.310	2.0170

Name: 13P2350N Base Flow(cfs): 0.000 Init Stage(ft): 83.600
Group: 13P Warn Stage(ft): 91.940
Type: Stage/Area

Added
S-100: See sheets 99, 58
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
83.600	0.0500
999.000	0.0500

Name: 13P2400P Base Flow(cfs): 0.000 Init Stage(ft): 82.400
Group: 13P Warn Stage(ft): 92.300
Type: Stage/Area

Added
Pond 1 - see sheet 99
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.410	0.0500
85.660	0.0500
86.160	0.2920
86.660	0.3420
87.160	0.3900
87.660	0.5600
88.160	0.7770
88.660	0.8570
89.160	1.1330
89.660	1.3100

Name: 13P2410N Base Flow(cfs): 0.000 Init Stage(ft): 87.800
Group: 13P Warn Stage(ft): 93.170
Type: Stage/Area

Added
DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.400	0.0500
999.000	0.0500

Name: 13P2420N Base Flow(cfs): 0.000 Init Stage(ft): 87.400
Group: 13P Warn Stage(ft): 93.170
Type: Stage/Area

Added
DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
82.400	0.0500
999.000	0.0500

Name: 13P2620N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 89.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2640N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 89.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2643N Base Flow(cfs): 0.000 Init Stage(ft): 84.950
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2644N Base Flow(cfs): 0.000 Init Stage(ft): 87.550
Group: 13P Warn Stage(ft): 92.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2646N Base Flow(cfs): 0.000 Init Stage(ft): 88.450
Group: 13P Warn Stage(ft): 92.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2660P Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 88.950
Type: Stage/Area

Stage(ft)	Area(ac)
83.950	0.0500
86.950	0.2469
86.960	0.6317
87.950	5.9604
88.950	10.5940
89.950	15.3057

Name: 13P2661P Base Flow(cfs): 0.000 Init Stage(ft): 88.750
Group: 13P Warn Stage(ft): 89.050
Type: Stage/Area

Stage(ft)	Area(ac)

```
--------------- ---------------
         87.950          0.0500
         88.950          1.6046
         89.950          7.1643

-------------------------------------------------------------------------------------------
      Name: 13P3100P            Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: GEE                                                Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00           0.000
         999.00           0.000

-------------------------------------------------------------------------------------------
      Name: 13P3120N            Base Flow(cfs): 0.000          Init Stage(ft): 88.740
     Group: GEE                                                Warn Stage(ft): 94.440
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3150N            Base Flow(cfs): 0.000          Init Stage(ft): 89.050
     Group: GEE                                                Warn Stage(ft): 93.610
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3250N            Base Flow(cfs): 0.000          Init Stage(ft): 85.570
     Group: GEE                                                Warn Stage(ft): 94.120
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3300N            Base Flow(cfs): 0.000          Init Stage(ft): 84.400
     Group: GEE                                                Warn Stage(ft): 94.910
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3350N            Base Flow(cfs): 0.000          Init Stage(ft): 81.900
     Group: GEE                                                Warn Stage(ft): 93.160
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3400P            Base Flow(cfs): 0.000          Init Stage(ft): 81.330
     Group: GEE                                                Warn Stage(ft): 94.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3450N            Base Flow(cfs): 0.000          Init Stage(ft): 89.190
     Group: GEE                                                Warn Stage(ft): 90.980
      Type: Stage/Area


      Stage(ft)        Area(ac)
```

```
--------------- ---------------
         50.000          0.0500
        100.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13P3500N            Base Flow(cfs): 0.000          Init Stage(ft): 83.260
     Group: GEE                                                Warn Stage(ft): 90.560
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.260          0.0030
        999.000          0.0030

-------------------------------------------------------------------------------------------
      Name: 13Q0500N            Base Flow(cfs): 0.000          Init Stage(ft): 83.900
     Group: 13Q                                                Warn Stage(ft): 88.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.900          1.3330
         89.950          4.1750

-------------------------------------------------------------------------------------------
      Name: 13Q0820P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                                Warn Stage(ft): 89.050
      Type: Stage/Area

Revision
Updated inital stage to control elev.
Updated stage/area

      Stage(ft)        Area(ac)
--------------- ---------------
         79.000          0.8950
         83.000          1.1020
         85.000          1.1400
         87.000          1.4510
         89.000          1.8380

-------------------------------------------------------------------------------------------
      Name: 13Q0821N            Base Flow(cfs): 0.000          Init Stage(ft): 84.410
     Group: 13Q                                                Warn Stage(ft): 87.000
      Type: Stage/Area

Revision
Structure S-122
GCS_1046_SD

      Stage(ft)        Area(ac)
--------------- ---------------
         84.410          0.0400
         85.760          0.0600

-------------------------------------------------------------------------------------------
      Name: 13Q0822N            Base Flow(cfs): 0.000          Init Stage(ft): 83.300
     Group: 13Q                                                Warn Stage(ft): 89.850
      Type: Stage/Area

Revision
Structure S-115
GCS_1046_SD


      Stage(ft)        Area(ac)
--------------- ---------------
         83.300          0.0100
        999.000          0.0100

-------------------------------------------------------------------------------------------
      Name: 13Q0840P            Base Flow(cfs): 0.000          Init Stage(ft): 86.000
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
Updated inital stage and stage/area


      Stage(ft)        Area(ac)
--------------- ---------------
```

83.600	0.0010
84.100	0.1690
84.600	1.0720
85.100	1.5230
85.600	1.7900
86.100	2.0630
86.600	2.4090
87.100	2.6340

Name: 13Q0860P Base Flow(cfs): 0.000 Init Stage(ft): 87.780
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Updated initial stage to match control elevation
Updated stage/area

Stage(ft)	Area(ac)
81.750	0.1640
82.250	0.1780
82.750	0.1970
83.250	0.2360
83.750	0.4030
84.250	0.6630
84.750	1.0300
85.250	1.4270
85.750	1.8100
86.250	2.2190
86.750	2.7140
87.250	3.2870
87.750	4.1160
88.250	4.7640
88.750	5.4830

Name: 13Q0861N Base Flow(cfs): 0.000 Init Stage(ft): 86.090
Group: 13Q Warn Stage(ft): 89.010
Type: Stage/Area

Renamed from GROUND (Time/stage)
Casselberry City Infrstructure (Assumed NAVD 88)
inital stage from infrastructure

Stage(ft)	Area(ac)
86.090	0.0500
999.000	0.0500

Name: 13Q0865N Base Flow(cfs): 0.000 Init Stage(ft): 85.320
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
85.320	0.0500
999.000	0.0500

Name: 13Q0870P Base Flow(cfs): 0.000 Init Stage(ft): 86.170
Group: 13Q Warn Stage(ft): 88.000
Type: Stage/Area

Added
Pond
Field Recon by BRW/CLR on 12/7/15

Stage(ft)	Area(ac)
82.160	0.0010
82.660	0.7520
83.160	0.7800
83.660	0.8320
84.160	0.8960
84.660	1.0700
85.160	1.2560
85.660	1.4680
86.160	1.7340
86.660	2.0290

```
         87.160          2.4390
         87.660          3.1330
         88.160          4.3370

-------------------------------------------------------------------------------------------
      Name: 13Q0875N            Base Flow(cfs): 0.000          Init Stage(ft): 84.900
     Group: 13Q                                                Warn Stage(ft): 90.000
      Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         84.900          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q0880N            Base Flow(cfs): 0.000          Init Stage(ft): 84.350
     Group: 13Q                                                Warn Stage(ft): 89.000
      Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         84.350          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q0885N            Base Flow(cfs): 0.000          Init Stage(ft): 82.930
     Group: 13Q                                                Warn Stage(ft): 89.000
      Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         82.930          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q0890N            Base Flow(cfs): 0.000          Init Stage(ft): 82.830
     Group: 13Q                                                Warn Stage(ft): 89.820
      Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

      Stage(ft)        Area(ac)
--------------- ---------------
         82.830          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q0895N            Base Flow(cfs): 0.000          Init Stage(ft): 78.600
     Group: 13Q                                                Warn Stage(ft): 87.110
      Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

      Stage(ft)        Area(ac)
--------------- ---------------
         75.110          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13Q0896N            Base Flow(cfs): 0.000          Init Stage(ft): 82.280
     Group: 13Q                                                Warn Stage(ft): 87.110
      Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

      Stage(ft)        Area(ac)
--------------- ---------------
         75.110          0.0500
        999.000          0.0500
```

```
-----------------------------------------------------------------------------------------
      Name: 13Q0924P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                                Warn Stage(ft): 88.950
      Type: Stage/Area

Revision
Updated initial stage to control elev
updated stage/area calcs

      Stage(ft)        Area(ac)
--------------- ---------------
         80.000          0.4420
         82.000          0.5860
         85.000          0.6610
         87.000          0.8386
         89.000          1.1279

-----------------------------------------------------------------------------------------
      Name: 13Q0940P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                                Warn Stage(ft): 88.950
      Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area

      Stage(ft)        Area(ac)
--------------- ---------------
         80.000          0.3940
         83.000          0.5330
         85.000          0.6080
         87.000          0.7780
         89.000          1.0600

-----------------------------------------------------------------------------------------
      Name: 13Q2290P            Base Flow(cfs): 0.000          Init Stage(ft): 78.620
     Group: 13Q                                                Warn Stage(ft): 85.950
      Type: Stage/Area

Added
GCS_1041_CP (NGVD 29)
PDF PG 38

      Stage(ft)        Area(ac)
--------------- ---------------
         69.950          0.9400
         78.500          1.0530
         82.000          1.3890
         84.000          1.5790
         86.000          1.8430
         88.000          2.2500

-----------------------------------------------------------------------------------------
      Name: 13Q2291N            Base Flow(cfs): 0.000          Init Stage(ft): 78.370
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 23 Structure 9

      Stage(ft)        Area(ac)
--------------- ---------------
         77.400          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13Q2292N            Base Flow(cfs): 0.000          Init Stage(ft): 76.720
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

      Stage(ft)        Area(ac)
--------------- ---------------
         76.720          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13Q2293N            Base Flow(cfs): 0.000          Init Stage(ft): 75.400
     Group: 13Q                                                Warn Stage(ft): 0.000
      Type: Stage/Area
```

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
75.400	0.0500
999.000	0.0500

Name: 13Q2294N Base Flow(cfs): 0.000 Init Stage(ft): 71.900
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

Stage(ft)	Area(ac)
71.900	0.0500
999.000	0.0500

Name: 13Q2295N Base Flow(cfs): 0.000 Init Stage(ft): 71.900
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

Stage(ft)	Area(ac)
71.900	0.0500
999.000	0.0500

Name: 13Q2296N Base Flow(cfs): 0.000 Init Stage(ft): 72.120
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)
72.120	0.0500
999.000	0.0500

Name: 13Q2300P Base Flow(cfs): 0.000 Init Stage(ft): 71.350
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)
71.350	0.1000
72.000	0.3490
73.000	0.4720
74.000	0.5010
75.000	0.5280
76.000	0.5510
77.000	0.7350
78.000	0.8450

Name: CEMETERY Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13F Warn Stage(ft): 63.550
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.9713
60.950	1.4276
61.950	1.9834
62.950	2.8499
63.950	4.6656

Name: CONCORD Base Flow(cfs): 0.500 Init Stage(ft): 55.950
Group: 13M Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	17.9560
56.950	19.9516
57.950	21.2131
58.950	22.3080
59.950	24.5515

Name: CRYSTBWL Base Flow(cfs): 0.000 Init Stage(ft): 58.250
Group: 13N Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	7.6810
58.950	8.3421
59.950	9.0601
60.950	9.7166
61.950	10.4017
62.950	11.0941
63.950	12.2905
64.950	14.5440

Name: DUCKPOND Base Flow(cfs): 0.000 Init Stage(ft): 48.850
Group: 13F Warn Stage(ft): 57.250
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.7600
51.950	0.7638
54.950	1.1914
55.950	1.3259
56.950	1.5474
57.950	2.2529
58.950	3.3766

Name: ELLEN Base Flow(cfs): 0.000 Init Stage(ft): 64.850
Group: 13M Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	4.6700
64.950	5.1800
65.950	5.7560
66.950	6.3960
67.950	7.0247
68.950	7.5702
69.950	8.1380
70.950	8.7480

Name: EVERGRN Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
56.950	1.5300
58.040	2.2308
58.950	3.2473
59.950	3.7288
60.950	4.2145
61.950	4.6767
62.950	5.2000
63.950	5.7800

Name: FAIRY Base Flow(cfs): 0.900 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	45.3910
52.130	50.4351
52.950	52.8165
53.950	55.4116
54.950	58.1505
55.950	61.5913
56.950	65.8391
57.950	71.8718
58.950	80.0927

Name: FERN Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	3.1860
61.950	3.5390
62.950	3.9311
63.950	4.4455
64.950	4.4500

Name: GEM Base Flow(cfs): 0.000 Init Stage(ft): 70.950
Group: 13I Warn Stage(ft): 73.350
Type: Stage/Area

Stage(ft)	Area(ac)
70.150	4.0457
70.950	4.5105
71.950	5.0185
72.950	5.9041
73.950	8.0343

Name: GRASSY Base Flow(cfs): 0.400 Init Stage(ft): 82.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	4.4600
81.950	4.9600
82.950	5.0713
83.950	11.9570
84.950	12.7708
85.950	13.4899
86.950	14.2498

Name: GRIFFIN Base Flow(cfs): 0.300 Init Stage(ft): 74.750
Group: 13K Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
73.950	15.0370
74.950	15.0372
75.950	18.2976
76.950	22.2679
77.950	27.1000

Name: HODGE Base Flow(cfs): 0.000 Init Stage(ft): 51.450
Group: 13H Warn Stage(ft): 53.050

Type: Stage/Area

Stage(ft)	Area(ac)
49.950	18.1678
50.950	20.1181
51.950	21.9942
52.950	23.9954
53.950	25.8800
54.950	27.9000

Name: IRENE-N Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	7.2500
54.950	8.1116
55.950	9.0658
56.950	10.0399
57.950	10.8952
58.950	11.8569
59.950	13.1170
60.950	14.1115
63.950	17.5500

Name: IRENE-S Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	4.1200
54.950	4.5971
55.950	5.1386
56.950	5.6750
57.950	6.1260
58.950	6.5877
59.950	7.5313
60.950	9.0024
63.950	15.3700

Name: JANE Base Flow(cfs): 0.000 Init Stage(ft): 63.850
Group: 13I Warn Stage(ft): 66.050
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	0.9200
62.950	1.3500
64.950	1.9727
65.950	2.3051
66.950	2.7961
67.950	3.1247

Name: JESUP Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	8.750
99.00	8.750

Name: KATHRYN Base Flow(cfs): 9.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	50.7400
47.950	56.3770
48.950	62.6410
49.950	69.6016
50.950	78.3770
51.950	81.7231
52.950	86.2032
53.950	94.8745
54.950	109.9357

Name: LOST Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
49.300	0.0010
49.800	12.5200
50.300	13.9250
50.800	14.5700
51.300	15.3490
51.800	16.9160
52.300	19.2240
52.800	20.7270
53.300	21.9630
53.800	22.8660
54.300	23.6330
54.800	24.4100
55.300	25.2680
55.800	26.1090
56.300	27.4030
56.800	29.4670
57.300	31.8220
57.800	32.9640
58.300	33.5920
58.800	33.8580
59.300	34.2650
59.800	34.7750
60.300	35.1350
60.800	35.4180
61.300	35.7510
61.800	36.1210
62.300	36.3210
62.800	36.4860
63.300	36.4930
73.300	36.4930

Name: LOTUS Base Flow(cfs): 0.000 Init Stage(ft): 82.950
Group: 13K Warn Stage(ft): 85.850
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	3.7637
82.950	4.1584
83.950	4.5544
84.950	5.3459
85.950	6.8663

Name: LPRAIRIE Base Flow(cfs): 0.000 Init Stage(ft): 91.250
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
88.950	1.6148
91.250	1.6148
91.950	6.8233
92.950	11.7850

Name: LWILDMER Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 63.450

Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.0408
59.950	4.5894
60.950	6.1631
61.950	7.7773
62.950	10.2403
63.950	14.9519

Name: MALTBIE Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13P Warn Stage(ft): 83.950
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	3.9200
80.950	3.9200
82.050	4.3529
83.950	5.0094
86.950	8.3265
87.950	22.2858
88.950	26.2556
89.950	30.0558
90.950	35.8311

Name: ORANGE Base Flow(cfs): 0.000 Init Stage(ft): 72.150
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.150	2.3647
72.950	2.7537
73.950	3.2152
74.950	4.0535
75.950	4.2500

Name: OXFORD Base Flow(cfs): 0.000 Init Stage(ft): 68.450
Group: 13L Warn Stage(ft): 72.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.450	0.0010
69.310	0.0010
69.810	0.8560
70.310	4.0980
70.810	5.2310
71.310	5.9130
71.810	6.4240
72.310	6.8750
72.810	7.3800
73.310	8.0520
73.810	8.8200
74.310	9.5490
74.810	10.3010
75.310	10.8640
75.810	11.5120
76.310	12.0910
76.810	12.5450
77.310	12.9960
77.810	13.6110
78.310	14.1860
78.810	14.3550
79.310	14.4360
79.810	14.5110
80.310	14.6300
80.810	14.8550
81.310	15.1450
81.810	15.4090
82.310	15.6140
82.810	15.7490

83.310	15.8840
83.810	16.0660
84.310	16.2030
84.810	16.3620
85.310	16.4810
85.810	16.5970
86.310	16.6900
86.810	16.7920
87.310	16.8720
87.810	16.9320
88.310	17.0020
88.810	17.0910
89.310	17.1920
89.810	17.3920
90.310	17.5950
90.810	17.8480
91.310	18.1050
91.810	18.3670
92.310	18.4780
92.810	18.5550
93.310	18.6000
93.810	18.6560
94.310	18.7170
94.560	18.7300

Name: PEARL Base Flow(cfs): 0.100 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	12.3456
86.950	15.4107
87.950	22.8788

Name: PINEYRDG Base Flow(cfs): 0.000 Init Stage(ft): 79.350
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
79.350	1.0594
83.950	1.0995
84.950	1.4995
85.950	1.9009
86.950	3.0423
87.950	4.9482
88.950	7.6141

Name: PLAZA Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13K Warn Stage(ft): 75.650
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	1.6285
72.950	2.0563
73.950	2.5946
74.950	3.2738
75.950	4.2904

Name: POND2 Base Flow(cfs): 0.000 Init Stage(ft): 50.000
Group: 13L Warn Stage(ft): 54.000
Type: Stage/Area

Stage(ft)	Area(ac)
42.000	1.9700
54.000	4.0700
54.180	5.9440
54.680	6.5540
55.180	6.9920
55.680	7.1980

56.180	7.3200
56.680	7.5820
57.180	7.9750
57.680	8.5280
58.180	8.9160
58.680	9.3130
59.180	9.5310
59.680	9.6590
60.180	9.8240
60.680	10.0250
61.180	10.2570
61.680	10.4590
62.180	10.5650
62.680	10.6540
63.180	10.7440
63.680	10.8200
64.180	10.8840
64.680	10.9670
65.180	11.0540
65.680	11.1670
66.180	11.3220
66.680	11.4270
67.180	11.5440
67.680	11.5740
68.180	11.5820
68.800	11.5850
78.800	11.5850

Name: POND5 Base Flow(cfs): 0.000 Init Stage(ft): 60.000
Group: 13N Warn Stage(ft): 63.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.000	0.1300
63.000	0.9500
63.460	10.7430
63.960	12.9060
64.460	14.9550
64.960	17.1130
65.460	18.4230
65.960	19.0690
66.460	19.6380
66.960	20.1430
67.460	20.4890
67.960	20.8140
68.460	21.1100
68.960	21.4120
69.460	21.8560
69.960	22.2820
70.460	22.6620
70.960	22.8720
71.460	23.0270
71.960	23.1920
72.460	23.2790
73.050	23.3260
83.050	23.3260

Name: POND7 Base Flow(cfs): 0.000 Init Stage(ft): 51.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage-area re-calculated

Stage(ft)	Area(ac)
45.000	1.4700
53.000	2.7100
57.000	3.4000
57.690	3.5630
58.190	4.1050
58.690	4.5800
59.190	5.0350
59.690	5.5250
60.190	6.0970
60.690	6.6950
61.190	7.1050
61.690	7.5870
62.190	7.9080
62.690	8.2190
63.190	8.5000

63.690	8.7290
64.190	8.9460
64.690	9.1550
65.190	9.3740
65.690	9.5480
66.190	9.7040
66.690	9.8960
67.190	10.1770
67.690	10.9280
68.190	11.4100
68.690	12.2510
69.190	13.2980
69.690	14.9860
70.190	17.2840
70.690	19.1100
71.190	20.9470
71.690	22.6010
72.190	24.6190
72.690	25.7330
73.190	26.4390
73.690	26.7990
74.190	27.0860
74.690	27.3770
75.040	27.4130
85.040	27.4130

Name: POND8A Base Flow(cfs): 0.000 Init Stage(ft): 54.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.9300
54.000	3.8800
57.000	5.0100
57.870	5.9200
58.370	6.7280
58.870	7.7730
59.370	8.7880
59.870	9.3180
60.370	9.8010
60.870	10.1790
61.370	10.4060
61.870	10.5900
62.370	10.7600
62.870	10.9460
63.370	11.0380
63.870	11.1430
64.420	11.1600
74.420	11.1600

Name: POND8B Base Flow(cfs): 0.000 Init Stage(ft): 54.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.5800
54.000	1.6600
57.000	2.1000
57.380	4.8960
57.880	5.7160
58.380	6.1470
58.880	6.3560
59.380	6.5440
59.880	6.7630
60.380	6.9810
60.880	7.1570
61.380	7.3120
61.880	7.4840
62.380	7.6930
62.880	7.8380
63.380	7.9870
63.880	8.0950
64.380	8.2140
64.880	8.3340
65.380	8.4750
65.880	8.5850
66.380	8.6920

66.880	8.8090
67.380	8.9570
67.880	9.1020
68.380	9.3060
68.880	9.4090
69.380	9.5170
69.880	9.7100
70.380	9.7840
70.720	9.8300
80.720	9.8300

Name: PRAIRIE Base Flow(cfs): 1.400 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 87.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	122.1010
84.950	126.7382
85.950	131.2661
86.950	142.8805
87.950	155.3361

Name: QUAIL Base Flow(cfs): 0.000 Init Stage(ft): 61.940
Group: 13M Warn Stage(ft): 65.950
Type: Stage/Area

Revision
Updated inital stage to match control elev

Stage(ft)	Area(ac)
59.950	3.5880
62.950	3.5880
63.950	3.9866
64.950	4.4206
65.950	4.9000

Name: QUEENS Base Flow(cfs): 1.200 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	10.5060
49.800	13.0620
50.300	13.2700
50.800	13.4790
51.300	13.9040
51.800	14.6370
52.300	15.5370
52.800	16.2740
53.300	17.0970
53.800	17.9640
54.300	18.6980
54.800	19.4420
55.300	20.1620
55.800	21.1310
56.300	21.9860
56.800	22.9640
57.300	23.9130
57.800	24.9330
58.300	25.9020
58.800	26.9570
59.300	28.5670
59.800	30.1110
60.300	31.3650
60.800	32.5010
61.300	33.3910
61.800	34.1280
62.300	34.8340
62.800	35.5990
63.300	36.2940
63.800	37.0360
64.300	37.6090
64.800	38.1900
65.300	38.7200
65.800	39.5250

66.300	40.3380
66.800	41.0140
67.300	41.5170
67.800	42.0420
68.300	42.5130
68.800	42.9200
69.300	43.4230
69.800	43.8150
70.300	44.0400
70.800	44.1000
71.310	44.1220
81.310	44.1220

Name: SECRET Base Flow(cfs): 0.100 Init Stage(ft): 50.901
Group: 13M Warn Stage(ft): 52.950
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	7.5830
49.950	8.3180
50.950	9.2440
51.950	12.8940
52.950	15.0680
53.950	21.3260
54.950	27.2880

Name: TRIPLT-M Base Flow(cfs): 0.600 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 51.950
Type: Stage/Area

Revision
Revised stage area

Stage(ft)	Area(ac)
48.000	47.2900
49.690	47.5950
50.190	52.6580
50.690	55.7900
51.190	58.4530
51.690	61.8100
52.190	66.1390
52.690	68.7300
53.190	70.6240
53.690	72.6190
54.190	75.3360
54.690	78.3290
55.190	81.3380
55.690	84.1360
56.190	87.1520
56.690	89.4920
57.190	91.6370
57.690	94.1010
58.190	95.9260
58.690	97.5660
59.190	98.6510
59.690	99.3480
60.190	99.7850
60.690	100.1500
61.190	100.5620
61.690	100.8520
62.190	101.2240
62.740	101.3910
72.740	101.3910

Name: TRIPLT-N Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 52.250
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	16.8790
48.950	18.7550
49.950	20.8390
50.950	23.1542
51.950	25.9724
52.950	30.2624

53.950	35.5159
54.950	38.6264
55.950	41.5881

Name: TRIPLT-S Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added node to seperate Middle and South Triplet Lake

Stage(ft)	Area(ac)
48.000	22.9600
49.660	25.2570
50.160	27.0320
50.660	28.0360
51.160	29.1040
51.660	30.7290
52.160	32.6730
52.660	34.9300
53.160	37.4630
53.660	39.5170
54.160	41.2130
54.660	42.8150
55.160	44.4120
55.660	45.9710
56.160	47.5790
56.660	49.7460
57.160	51.7640
57.660	53.7740
58.160	56.2850
58.660	59.4130
59.160	62.2920
59.660	65.1300
60.160	68.2380
60.660	70.6570
61.160	72.6840
61.660	74.7230
62.160	76.9850
62.660	79.4620
63.160	80.9910
63.660	82.2450
64.160	83.0520
64.660	83.7860
65.160	84.3180
65.660	84.8820
66.160	85.5300
66.660	86.4660
67.160	87.4430
67.660	88.1610
68.160	88.7040
68.660	89.0690
69.160	89.4200
69.660	89.7700
70.160	90.0750
70.660	90.4060
71.160	90.8380
71.660	91.2930
72.160	91.5930
72.660	91.8110
73.160	91.9060
73.660	92.0130
74.160	92.1380
74.660	92.2800
75.160	92.4770
75.660	92.6570
76.160	93.1020
76.660	93.1820
77.290	93.1840
87.290	93.1840

Name: TROUT Base Flow(cfs): 0.200 Init Stage(ft): 78.700
Group: 13K Warn Stage(ft): 80.650
Type: Stage/Area

Stage(ft)	Area(ac)
77.950	15.2240
78.950	17.5082
79.950	20.1318

80.950	22.3211

Name: WILDMERE Base Flow(cfs): 0.800 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 57.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	29.1100
56.950	31.1100
57.950	33.2411
58.950	37.3433
59.950	39.9008
60.950	43.2276
61.950	46.8000
62.950	50.7000

Name: YVONNE Base Flow(cfs): 0.600 Init Stage(ft): 52.020
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	13.9130
51.950	17.7690
52.950	22.6935
53.950	28.9822
54.950	36.7654
55.950	45.9359
56.950	57.3900

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==== Cross Sections ==========
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Name: 13A-B04X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
1.150	19.230	0.040000
1.150	14.920	0.040000
11.000	12.950	0.035000
12.050	12.740	0.035000
12.050	19.230	0.040000
13.200	19.230	0.040000
13.200	12.510	0.040000
24.100	10.330	0.035000
24.100	19.230	0.040000
25.250	19.230	0.040000
25.250	10.100	0.040000
33.000	8.550	0.035000
36.150	6.910	0.035000
36.150	19.230	0.040000
37.300	19.230	0.040000
37.300	6.310	0.040000
38.000	5.950	0.035000
48.200	5.160	0.035000
48.200	19.230	0.040000
49.350	19.230	0.040000
49.350	5.080	0.040000
51.000	4.950	0.030000
60.250	4.670	0.030000
60.250	19.230	0.040000
61.400	19.230	0.040000
61.400	4.950	0.040000
70.000	9.150	0.035000
72.300	9.290	0.035000
72.300	19.230	0.040000
73.450	19.230	0.040000
73.450	9.360	0.040000
75.000	9.450	0.035000
84.350	9.520	0.035000
84.350	19.230	0.040000
85.500	19.230	0.040000
85.500	9.530	0.040000
96.400	9.600	0.035000

96.400	19.230	0.040000
97.550	19.230	0.040000
97.550	9.610	0.040000
103.000	9.650	0.035000
108.450	9.540	0.035000
108.450	19.230	0.040000
109.600	19.230	0.040000
109.600	9.520	0.040000
120.500	9.300	0.035000
120.500	19.230	0.040000
121.650	19.230	0.040000
121.650	9.270	0.040000
132.550	9.070	0.035000
132.550	19.230	0.040000
133.770	19.230	0.040000
133.770	9.040	0.040000
144.600	8.830	0.035000
144.600	19.230	0.040000
145.750	19.230	0.040000
145.750	8.810	0.040000
156.650	8.590	0.035000
156.650	19.230	0.040000
157.800	19.230	0.040000
157.800	8.570	0.040000
168.700	8.350	0.035000
168.700	19.230	0.040000
169.850	19.230	0.040000
169.850	8.230	0.040000
172.000	7.950	0.035000
174.000	6.850	0.030000
180.000	6.350	0.030000
180.750	6.440	0.030000
180.750	19.230	0.040000
181.900	19.230	0.040000
181.900	6.580	0.040000
185.000	6.950	0.030000
188.000	9.050	0.035000
192.800	9.610	0.035000
192.800	19.230	0.040000
193.950	19.230	0.040000
193.950	9.740	0.040000
200.000	10.450	0.035000
204.850	12.120	0.035000
204.850	19.230	0.040000
206.000	19.230	0.040000
206.000	12.510	0.040000
209.000	13.550	0.035000
216.900	16.350	0.035000
216.900	19.230	0.040000

Name: 13A-B20R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.650	0.016000
-50.000	26.360	0.016000
0.000	27.410	0.016000
50.000	27.420	0.016000
100.000	27.340	0.016000

Name: 13A-B20X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-26.100	25.430	0.020000
-26.100	23.650	0.020000
-20.000	21.650	0.020000
-18.000	19.950	0.035000
-13.000	19.850	0.035000
-9.000	19.950	0.020000
-5.000	21.850	0.020000
-1.300	22.650	0.020000
-1.300	25.430	0.020000

Name: 13A-B23R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	31.900	0.110000
-41.000	31.850	0.015000
0.000	31.850	0.015000

Name: 13A-B23X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.700	30.850	0.080000
-72.700	28.450	0.080000
-66.000	28.350	0.080000
-41.000	28.450	0.080000
-33.000	25.150	0.080000
-26.000	24.250	0.080000
-24.000	20.550	0.080000
-20.000	21.150	0.050000
-13.000	21.450	0.050000
-8.000	25.650	0.080000
-8.000	30.850	0.080000

Name: 13A-B25R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	32.000	0.016000
0.000	33.020	0.016000
50.000	33.070	0.016000
100.000	32.310	0.016000

Name: 13A-B25X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-14.000	30.990	0.013000
-14.000	29.650	0.013000
-11.000	29.050	0.030000
-8.000	27.250	0.030000
-3.000	22.950	0.030000
0.000	22.750	0.035000
3.000	23.350	0.035000
4.000	25.150	0.030000
8.000	26.150	0.030000
12.000	28.250	0.030000
12.000	30.990	0.030000

Name: 13A-B49X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.560	0.016000
0.000	45.650	0.016000
8.000	44.250	0.035000
9.000	42.750	0.035000
13.500	41.850	0.035000
19.000	42.350	0.035000
27.000	44.450	0.035000
27.000	48.560	0.016000

Name: 13A-B57R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.500	53.460	0.016000
-36.500	52.910	0.016000
13.500	52.580	0.016000
63.500	53.060	0.016000
113.500	53.540	0.016000

Name: 13A-B57X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.210	0.027000
6.000	47.280	0.027000
18.000	47.230	0.027000
25.000	51.200	0.027000

Name: 13A-W343 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.950	0.110000
140.000	50.950	0.110000
200.000	50.450	0.110000
260.000	50.950	0.110000
345.000	51.950	0.110000

Name: 13A-W390 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	40.250	0.110000
-25.000	40.150	0.110000
0.000	39.950	0.110000
14.000	39.450	0.110000
20.000	39.150	0.110000
27.000	39.450	0.110000
50.000	40.350	0.110000

Name: 13A-W590 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.350	52.950	0.040000
-16.350	52.350	0.040000
0.000	51.640	0.040000
5.600	51.670	0.025000
5.600	49.660	0.025000
13.700	49.610	0.025000
13.700	48.640	0.025000
15.600	48.670	0.013000
15.600	49.610	0.025000
23.900	49.820	0.025000
23.900	51.940	0.025000
29.500	51.910	0.025000
35.650	52.650	0.040000
43.650	52.950	0.040000

Name: 13A0000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	10.850	0.150000
-50.000	9.550	0.150000
-25.000	9.250	0.150000

0.000	9.150	0.150000
3.000	8.850	0.100000
7.000	7.150	0.035000
11.000	5.150	0.035000
19.000	3.950	0.035000
28.000	2.950	0.035000
32.000	8.850	0.035000
35.000	10.150	0.035000
41.000	10.550	0.100000

Name: 13A0100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	17.450	0.150000
0.000	13.950	0.150000
7.000	11.250	0.150000
11.000	5.250	0.150000
19.000	2.950	0.035000
28.000	2.350	0.035000
34.000	9.350	0.150000
39.000	11.050	0.150000

Name: 13A0300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-9.000	11.950	0.150000
-2.000	9.050	0.150000
0.000	8.850	0.150000
6.000	7.550	0.150000
8.000	5.450	0.050000
17.000	5.050	0.030000
25.000	5.350	0.030000
26.000	8.750	0.050000
30.000	10.350	0.150000

Name: 13A0500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	12.150	0.150000
17.000	11.550	0.150000
25.000	10.650	0.150000
32.000	8.650	0.150000
35.000	4.050	0.030000
41.000	5.150	0.030000
48.000	5.150	0.030000
53.000	8.150	0.030000
62.000	12.250	0.150000

Name: 13A0600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	11.850	0.150000
0.000	11.150	0.150000
2.000	10.750	0.150000
5.000	9.550	0.150000
10.000	5.850	0.030000
19.000	5.250	0.030000
28.000	6.450	0.030000
33.000	9.750	0.030000
58.000	11.650	0.150000
83.000	12.250	0.150000
116.000	13.950	0.150000

Name: 13A0800X Group: 13A

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	17.750	0.150000
-25.000	16.750	0.150000
0.000	15.350	0.150000
2.000	15.350	0.150000
10.000	9.750	0.150000
13.000	5.150	0.080000
18.000	4.150	0.080000
25.000	6.350	0.080000
30.000	9.650	0.080000
35.000	10.150	0.150000
60.000	10.750	0.150000
85.000	10.750	0.150000

Name: 13A0900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	16.650	0.035000
-50.000	13.450	0.035000
-25.000	12.150	0.150000
0.000	11.650	0.150000
3.000	10.150	0.150000
6.000	7.750	0.080000
11.000	7.250	0.080000
18.000	7.650	0.080000
23.000	11.750	0.080000
50.000	11.150	0.150000
75.000	12.150	0.150000

Name: 13A1000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.950	0.030000
-25.000	16.550	0.030000
0.000	15.650	0.030000
17.000	12.950	0.035000
34.000	12.550	0.035000
42.000	11.750	0.035000
46.000	9.950	0.030000
49.000	8.850	0.030000
55.000	9.350	0.030000
56.000	13.230	0.080000
81.000	15.350	0.150000
106.000	17.050	0.150000

Name: 13A1100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	19.950	0.030000
0.000	19.550	0.030000
10.000	19.450	0.100000
16.000	17.550	0.100000
22.000	14.850	0.100000
25.000	14.750	0.100000
30.000	15.750	0.100000
36.000	10.350	0.050000
42.000	10.750	0.030000
45.000	10.850	0.030000
51.000	14.950	0.050000
60.000	18.350	0.100000
85.000	19.950	0.030000
110.000	20.250	0.035000

Name: 13A1300X Group: 13A

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	20.750	0.150000
-25.000	20.250	0.150000
0.000	20.050	0.150000
13.000	19.650	0.150000
21.000	18.350	0.050000
30.000	15.350	0.050000
36.000	14.350	0.050000
38.000	11.550	0.050000
43.000	11.250	0.050000
48.000	11.150	0.050000
53.000	14.250	0.050000
56.000	14.950	0.150000
65.000	17.250	0.030000
86.000	19.850	0.030000
100.000	20.650	0.030000

Name: 13A1400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	24.250	0.150000
-25.000	23.950	0.150000
0.000	22.850	0.150000
5.000	22.450	0.150000
14.000	19.450	0.035000
20.000	16.150	0.035000
26.000	12.450	0.035000
30.000	11.950	0.035000
34.000	12.250	0.035000
38.000	14.450	0.035000
41.000	18.050	0.035000
53.000	22.050	0.150000
78.000	23.950	0.030000
103.000	25.250	0.030000

Name: 13A1600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	26.050	0.030000
-25.000	24.450	0.030000
0.000	23.250	0.030000
4.000	22.850	0.150000
8.000	21.150	0.150000
15.000	17.150	0.150000
20.000	13.650	0.100000
26.000	12.550	0.100000
31.000	13.150	0.100000
32.000	14.050	0.150000
37.000	17.650	0.150000
44.000	20.350	0.150000
69.000	23.850	0.030000
94.000	26.250	0.030000

Name: 13A1700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.750	0.150000
0.000	25.450	0.150000
25.000	20.350	0.150000
38.000	19.950	0.150000
44.000	15.850	0.050000
47.000	15.150	0.050000
52.000	16.350	0.050000
57.000	16.750	0.050000
59.000	19.350	0.050000

79.000	22.050	0.150000
105.000	25.550	0.150000

Name: 13A1800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.050	0.030000
0.000	26.050	0.030000
20.000	22.950	0.150000
25.000	21.550	0.150000
31.000	16.450	0.050000
35.000	14.650	0.050000
39.000	15.650	0.050000
50.000	21.450	0.050000
65.000	23.050	0.150000
88.000	26.350	0.150000

Name: 13A1900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	26.950	0.030000
-55.000	24.350	0.030000
-29.000	24.250	0.080000
-22.000	19.650	0.080000
-21.000	18.750	0.080000
-19.000	17.850	0.080000
-18.000	17.950	0.080000
-16.000	19.450	0.080000
-14.000	20.150	0.080000
-13.000	21.650	0.080000
-8.000	22.650	0.080000
-4.000	24.450	0.080000
0.000	25.150	0.080000
25.000	26.050	0.030000
50.000	26.450	0.030000

Name: 13A2100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	27.550	0.150000
-68.000	26.350	0.150000
-43.000	26.350	0.100000
-36.000	24.750	0.100000
-32.000	22.950	0.100000
-28.000	18.850	0.100000
-24.000	18.750	0.100000
-19.000	19.450	0.100000
-16.000	22.950	0.100000
-10.000	22.750	0.100000
0.000	26.750	0.100000
25.000	25.750	0.150000
50.000	25.150	0.150000

Name: 13A2200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.350	0.150000
-67.000	26.750	0.150000
-42.000	26.550	0.150000
-35.000	24.850	0.150000
-26.000	23.950	0.150000
-23.000	20.150	0.080000
-18.000	19.150	0.080000
-16.000	20.050	0.080000
-12.000	22.850	0.080000

-10.000	26.350	0.150000
0.000	29.150	0.150000
25.000	29.450	0.150000

Name: 13A2300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	28.850	0.150000
-66.000	28.350	0.150000
-41.000	28.450	0.150000
-33.000	25.150	0.100000
-26.000	24.250	0.100000
-24.000	20.550	0.100000
-20.000	21.150	0.100000
-13.000	21.450	0.100000
-8.000	25.650	0.100000
0.000	31.350	0.150000
25.000	31.850	0.150000
50.000	32.750	0.150000

Name: 13A2400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.650	0.030000
-75.000	29.850	0.030000
-51.000	29.650	0.100000
-40.000	25.650	0.100000
-35.000	23.150	0.100000
-30.000	22.350	0.100000
-27.000	22.850	0.100000
-23.000	25.950	0.100000
-15.000	27.150	0.150000
0.000	28.550	0.150000
25.000	29.050	0.030000
50.000	30.750	0.030000

Name: 13A2600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	28.050	0.150000
-60.000	28.750	0.150000
-35.000	28.850	0.150000
-25.000	26.550	0.050000
-22.000	23.450	0.050000
-15.000	22.650	0.050000
-11.000	23.150	0.050000
-6.000	29.750	0.050000
0.000	31.550	0.050000
25.000	32.750	0.030000
50.000	32.790	0.013000

Name: 13A2700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	30.150	0.030000
-25.000	29.450	0.030000
0.000	29.150	0.030000
14.000	27.850	0.150000
16.000	23.350	0.080000
21.000	23.550	0.080000
25.000	23.850	0.080000
29.000	27.650	0.080000
33.000	27.250	0.080000
40.000	30.050	0.080000
65.000	30.350	0.035000

Name: 13A2750X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	31.250	0.150000
-50.000	30.650	0.150000
-25.000	31.750	0.150000
0.000	29.450	0.150000
2.000	29.150	0.035000
4.000	26.250	0.035000
9.000	25.150	0.035000
13.000	25.950	0.035000
20.000	30.450	0.035000
44.000	31.850	0.150000
65.000	29.250	0.100000
74.000	29.250	0.100000
84.000	32.150	0.100000
100.000	32.150	0.150000
200.000	33.250	0.150000

Name: 13A2800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	34.250	0.150000
-60.000	32.250	0.150000
-26.000	33.050	0.150000
-21.000	32.050	0.150000
-18.000	30.850	0.050000
-16.000	28.450	0.050000
-14.000	28.450	0.050000
-12.000	28.450	0.050000
-11.000	30.850	0.050000
-9.000	32.650	0.150000
0.000	32.350	0.150000
25.000	34.750	0.150000
50.000	35.250	0.150000

Name: 13A2900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-140.000	36.950	0.150000
-50.000	35.650	0.150000
-25.000	35.450	0.150000
0.000	35.350	0.150000
5.000	35.150	0.150000
13.000	31.950	0.050000
16.000	31.750	0.050000
18.000	31.950	0.050000
23.000	32.550	0.050000
31.000	35.150	0.050000
112.000	35.450	0.150000

Name: 13A3000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	36.150	0.150000
-28.000	32.950	0.050000
-22.000	32.950	0.050000
-17.000	31.950	0.050000
-11.000	32.350	0.050000
-7.000	35.350	0.050000
-4.000	36.950	0.050000
0.000	37.350	0.150000

Name: 13A3200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	40.010	0.013000
-67.000	39.450	0.013000
-42.000	39.150	0.035000
-34.000	36.550	0.035000
-27.000	32.950	0.035000
-23.000	32.450	0.035000
-19.000	33.050	0.035000
-10.000	33.850	0.035000
-6.000	35.850	0.035000
0.000	37.950	0.035000

Name: 13A3300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.950	0.035000
-25.000	39.550	0.035000
0.000	38.450	0.035000
2.000	38.350	0.035000
8.000	35.750	0.035000
12.000	34.150	0.035000
19.000	32.950	0.035000
23.000	31.750	0.035000

Name: 13A3400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-62.000	41.750	0.080000
-37.000	40.950	0.080000
-27.000	36.650	0.080000
-17.000	33.250	0.080000
-12.000	34.150	0.035000
-6.000	34.050	0.080000
0.000	36.250	0.110000
25.000	38.850	0.110000
50.000	40.150	0.110000

Name: 13A3600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-102.000	42.050	0.030000
-77.000	51.650	0.030000
-52.000	40.850	0.040000
-45.000	37.950	0.040000
-39.000	33.950	0.045000
-30.000	32.750	0.050000
-24.000	34.150	0.050000
-14.000	37.950	0.050000
-5.000	40.550	0.080000
0.000	41.250	0.080000
25.000	42.450	0.030000
50.000	42.750	0.030000

Name: 13A3700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	43.930	0.030000
0.000	41.650	0.030000
18.000	37.250	0.030000

21.000	37.150	0.030000
29.000	38.250	0.030000
35.000	35.850	0.080000
37.000	34.950	0.080000
40.000	34.750	0.080000
42.000	34.850	0.080000
51.000	39.550	0.110000

Name: 13A3900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	39.750	0.110000
0.000	39.350	0.080000
8.000	37.850	0.080000
14.000	36.750	0.080000
20.000	36.550	0.080000
28.000	36.450	0.080000
33.000	39.950	0.110000

Name: 13A4000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-218.000	39.920	0.080000
-50.000	39.150	0.080000
-20.000	38.750	0.080000
-19.000	37.150	0.080000
-13.000	37.350	0.035000
-8.000	36.950	0.035000
-4.000	38.050	0.050000
-3.000	37.950	0.080000
0.000	38.850	0.080000
25.000	39.850	0.080000
55.000	39.550	0.080000
81.000	41.250	0.080000
94.000	41.450	0.080000

Name: 13A4100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	40.150	0.110000
-32.000	38.250	0.050000
-24.000	37.450	0.025000
-17.000	37.750	0.050000
-12.000	39.850	0.080000
-7.000	40.150	0.080000
0.000	43.050	0.080000
17.000	43.750	0.080000

Name: 13A4200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	44.350	0.110000
-31.000	42.550	0.080000
-24.000	38.750	0.050000
-21.000	38.650	0.025000
-17.000	38.250	0.050000
-13.000	42.950	0.080000
-7.000	42.950	0.110000
0.000	44.350	0.110000

Name: 13A4300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-108.000	47.250	0.110000
-83.000	45.250	0.110000
-66.000	45.050	0.110000
-57.000	42.250	0.110000
-49.000	41.550	0.110000
-45.000	42.350	0.110000
-40.000	40.750	0.080000
-37.000	39.450	0.080000
-33.000	39.650	0.035000
-30.000	39.050	0.080000
-27.000	41.150	0.080000
-19.000	44.750	0.080000
-8.000	48.350	0.110000
0.000	48.950	0.110000

Name: 13A4400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	47.050	0.110000
0.000	43.850	0.110000
4.000	43.150	0.080000
7.000	40.850	0.080000
14.000	40.250	0.035000
21.000	40.450	0.080000
24.000	42.050	0.110000
32.000	45.750	0.110000

Name: 13A4500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	45.650	0.018000
2.000	45.450	0.018000
3.000	42.950	0.035000
8.000	41.250	0.035000
15.000	40.550	0.035000
19.000	40.950	0.025000
25.000	44.750	0.035000
32.000	46.250	0.018000

Name: 13A4600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	45.350	0.110000
-46.000	45.150	0.110000
-36.000	41.650	0.080000
-24.000	42.850	0.080000
-20.000	39.850	0.080000
-17.000	40.050	0.080000
-12.000	41.050	0.080000
-5.000	42.850	0.110000
-2.000	44.550	0.110000
0.000	44.850	0.110000
25.000	45.250	0.110000
50.000	45.450	0.110000

Name: 13A4700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	47.750	0.030000
-68.000	46.950	0.080000
-43.000	46.050	0.080000
-38.000	42.950	0.050000

-30.000	41.850	0.035000
-27.000	41.750	0.035000
-22.000	41.050	0.035000
-18.000	40.850	0.040000
-14.000	44.150	0.045000
-10.000	45.050	0.045000
0.000	46.250	0.040000
25.000	46.850	0.040000
50.000	47.850	0.040000

Name: 13A4800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.060	0.030000
-25.000	48.050	0.030000
0.000	47.850	0.080000
5.000	45.950	0.080000
11.000	42.250	0.080000
18.000	41.850	0.035000
26.000	42.350	0.080000
31.000	45.550	0.080000
36.000	46.750	0.080000
43.000	47.650	0.080000
68.000	47.650	0.080000
93.000	47.550	0.080000

Name: 13A5000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-55.000	48.150	0.060000
-29.000	47.650	0.050000
-21.000	44.650	0.035000
-19.000	44.250	0.035000
-17.000	43.150	0.035000
-15.000	42.950	0.035000
-10.000	42.350	0.022000
-6.000	42.450	0.080000
-1.000	47.250	0.080000
0.000	48.150	0.080000

Name: 13A5100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.150	0.060000
10.000	47.350	0.035000
16.000	43.650	0.035000
18.000	42.950	0.035000
22.000	42.850	0.022000
26.000	42.550	0.022000
27.000	42.950	0.050000
30.000	47.550	0.080000
37.000	48.850	0.080000
62.000	47.450	0.080000
87.000	46.750	0.080000

Name: 13A5200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	52.250	0.030000
-25.000	51.550	0.030000
0.000	49.750	0.080000
3.000	48.650	0.080000
6.000	46.650	0.080000
10.000	43.450	0.080000
14.000	42.950	0.022000

18.000	43.950	0.080000
22.000	45.750	0.080000
24.000	47.450	0.080000
34.000	49.850	0.080000

Name: 13A5300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	51.650	0.016000
-25.000	51.650	0.016000
0.000	51.350	0.080000
5.000	49.550	0.080000
7.000	55.650	0.080000
11.000	43.350	0.080000
14.000	43.850	0.022000
18.000	44.050	0.022000
22.000	50.250	0.035000
28.000	52.550	0.080000
34.000	53.650	0.080000

Name: 13A5400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	56.450	0.040000
0.000	54.750	0.080000
17.000	50.850	0.080000
20.000	48.850	0.080000
23.000	46.950	0.080000
25.000	44.050	0.035000
29.000	43.850	0.035000
31.000	44.050	0.035000
33.000	45.850	0.035000
35.000	46.050	0.080000
37.000	47.350	0.110000
42.000	51.650	0.110000
50.000	52.450	0.110000

Name: 13A5500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.050000
-40.000	46.550	0.050000
-33.000	45.050	0.050000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.040000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5500X_Aux1 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000

-50.000	51.850	0.050000
-45.000	49.850	0.080000
-40.000	46.550	0.080000
-33.000	45.050	0.035000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.035000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
18.000	53.850	0.080000
23.000	51.050	0.080000
25.000	46.650	0.080000
32.000	46.550	0.080000
33.000	45.350	0.080000
35.000	45.250	0.080000
38.000	45.350	0.080000
40.000	46.450	0.080000
42.000	48.150	0.080000
44.000	50.150	0.080000
69.000	50.650	0.080000
100.000	53.150	0.080000

Name: 13A5800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	52.950	0.030000
0.000	52.350	0.040000
6.000	50.950	0.040000
12.000	49.150	0.040000
15.000	47.850	0.040000
22.000	47.750	0.040000
25.000	47.050	0.040000
31.000	46.850	0.035000
40.000	47.350	0.040000
42.000	50.250	0.030000
52.000	52.650	0.030000
60.000	52.950	0.030000

Name: 13A6100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	53.450	0.030000
-25.000	52.750	0.030000
0.000	51.750	0.030000
1.000	51.550	0.030000
2.000	49.450	0.035000
9.000	47.850	0.035000
14.000	47.050	0.035000
15.000	47.150	0.035000
20.000	48.550	0.035000
26.000	49.650	0.045000
28.000	52.050	0.030000
29.000	52.250	0.030000
55.000	52.850	0.030000
79.000	52.950	0.030000

Name: 13B0100X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-123.000	15.650	0.060000
-114.000	11.550	0.060000
-108.000	9.550	0.060000
-107.000	6.550	0.035000
-104.000	6.150	0.035000
-101.000	6.450	0.035000
-98.000	9.150	0.045000
-67.000	14.050	0.060000
-35.000	15.450	0.060000
0.000	17.300	0.060000

Name: 13B0200X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-179.000	21.250	0.050000
-119.000	19.550	0.050000
-94.000	18.750	0.050000
-69.000	16.050	0.080000
-58.000	14.350	0.080000
-56.000	13.950	0.080000
-52.000	14.850	0.080000
-43.000	14.950	0.080000
-31.000	15.550	0.040000
-19.000	15.550	0.040000
-17.000	17.550	0.040000
0.000	21.250	0.030000
10.000	21.800	0.030000

Name: 13B0400X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	21.650	0.110000
0.000	20.050	0.110000
14.000	16.850	0.110000
24.000	13.550	0.110000
26.000	13.350	0.110000
30.000	13.950	0.110000
38.000	16.750	0.110000
51.000	18.650	0.110000
76.000	21.450	0.110000

Name: 13B0500X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	23.050	0.110000
0.000	20.160	0.110000
12.000	17.850	0.110000
28.000	18.050	0.110000
32.000	15.450	0.110000
34.000	15.450	0.110000
37.000	16.650	0.110000
39.000	18.250	0.110000
49.000	17.550	0.110000
60.000	19.250	0.110000
88.000	21.450	0.110000

Name: 13B0600X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-125.000	29.150	0.110000
-100.000	28.150	0.110000
-79.000	25.550	0.110000
-68.000	22.650	0.110000
-51.000	22.250	0.080000
-45.000	19.650	0.060000

-42.000	19.650	0.060000
-38.000	20.050	0.060000
-35.000	22.050	0.080000
-21.000	25.950	0.080000
0.000	28.850	0.080000
25.000	30.450	0.045000

Name: 13C-W230 Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	35.980	0.013000
40.000	35.980	0.013000
40.000	35.480	0.013000
50.400	35.480	0.013000
50.400	35.980	0.013000
90.400	35.980	0.013000

Name: 13C0100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.950	0.110000
-50.000	14.950	0.110000
-25.000	13.550	0.110000
0.000	12.150	0.110000
12.000	8.050	0.080000
16.000	7.950	0.080000
19.000	8.250	0.080000
23.000	10.650	0.080000
50.000	10.850	0.110000
75.000	10.750	0.110000
125.000	10.850	0.110000
170.000	13.250	0.110000

Name: 13C0200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	16.290	0.050000
-50.000	13.450	0.110000
-25.000	12.950	0.110000
0.000	12.250	0.110000
5.000	9.550	0.080000
7.000	8.950	0.080000
9.000	9.150	0.080000
16.000	14.250	0.080000
33.000	14.750	0.050000
41.000	14.750	0.050000
66.000	14.950	0.050000
101.000	15.950	0.050000

Name: 13C0300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-47.000	14.750	0.035000
-28.000	13.150	0.080000
-18.000	11.650	0.080000
0.000	13.350	0.080000
3.000	12.950	0.080000
5.000	11.050	0.080000
7.000	10.350	0.080000
9.000	10.050	0.045000
12.000	10.350	0.080000
16.000	13.150	0.080000
41.000	13.850	0.110000
66.000	15.750	0.110000

Name: 13C0500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.550	0.110000
-45.000	14.950	0.110000
-20.000	12.950	0.110000
-17.000	12.550	0.050000
-13.000	10.750	0.035000
-10.000	10.450	0.035000
-8.000	11.150	0.035000
-5.000	11.750	0.035000
0.000	12.850	0.060000
25.000	12.850	0.110000
50.000	12.950	0.110000
59.000	14.740	0.050000

Name: 13C0700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	15.850	0.110000
-30.000	15.750	0.110000
0.000	15.450	0.110000
25.000	16.050	0.110000
28.000	14.950	0.080000
30.000	13.550	0.080000
32.000	12.750	0.080000
36.000	13.450	0.080000
42.000	15.850	0.080000

Name: 13C0800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.550	0.110000
-25.000	16.150	0.110000
0.000	15.850	0.110000
3.000	15.550	0.110000
7.000	13.750	0.080000
10.000	13.150	0.080000
12.000	13.650	0.080000
16.000	16.450	0.080000
19.000	16.750	0.110000
45.000	16.050	0.110000
74.000	17.550	0.110000

Name: 13C1000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	21.050	0.050000
-25.000	20.050	0.050000
0.000	18.850	0.110000
6.000	18.350	0.110000
8.000	17.650	0.080000
11.000	13.050	0.080000
13.000	12.850	0.080000
19.000	13.650	0.045000
21.000	16.550	0.045000
22.000	16.950	0.080000
47.000	16.750	0.110000
72.000	17.750	0.110000

Name: 13C1100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	21.950	0.030000
-50.000	20.550	0.110000
-25.000	19.750	0.110000
0.000	19.350	0.110000
5.000	15.850	0.080000
6.000	15.150	0.035000
8.000	15.150	0.080000
15.000	19.350	0.080000
21.000	20.650	0.080000
46.000	20.849	0.110000
71.000	20.850	0.110000
170.000	21.950	0.110000

Name: 13C1200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.850	0.030000
-18.000	25.050	0.080000
-9.000	24.350	0.080000
0.000	22.550	0.080000
3.000	20.750	0.080000
6.000	20.450	0.035000
7.000	20.550	0.080000
10.000	22.250	0.080000
13.000	23.050	0.080000
33.000	22.750	0.110000
63.000	22.950	0.110000
223.000	23.950	0.110000
262.000	24.950	0.110000
285.000	25.950	0.110000

Name: 13C1300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.550	0.050000
-25.000	25.650	0.050000
0.000	25.550	0.080000
4.000	25.450	0.080000
10.000	23.850	0.050000
14.000	22.650	0.040000
16.000	22.550	0.035000
17.000	22.550	0.040000
22.000	24.350	0.080000
47.000	23.950	0.110000
72.000	24.550	0.110000
78.000	25.950	0.110000
114.000	26.950	0.110000
161.000	27.950	0.110000
186.000	28.950	0.110000

Name: 13C1400X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	27.550	0.030000
-25.000	26.850	0.030000
0.000	26.450	0.080000
17.000	27.350	0.080000
19.000	25.550	0.050000
24.000	25.450	0.035000
28.000	25.550	0.050000
32.000	27.550	0.080000
57.000	27.250	0.110000
82.000	27.450	0.110000
126.000	27.950	0.110000
176.000	28.950	0.110000

Name: 13C1500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	29.750	0.050000
-25.000	29.450	0.050000
0.000	29.050	0.050000
7.000	28.150	0.050000
10.000	25.750	0.035000
13.000	25.150	0.035000
18.000	26.250	0.035000
22.000	28.450	0.050000
47.000	28.350	0.110000
72.000	29.150	0.110000

Name: 13C1700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	30.350	0.030000
-50.000	29.650	0.030000
-24.000	29.850	0.060000
-17.000	29.050	0.050000
-11.000	26.350	0.035000
-8.000	26.250	0.035000
-4.000	26.550	0.035000
-2.000	27.450	0.050000
0.000	27.750	0.050000
25.000	28.150	0.110000
50.000	28.850	0.110000
342.000	28.950	0.110000
352.000	31.950	0.110000

Name: 13C1800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.550	0.080000
16.000	29.050	0.050000
19.000	27.050	0.050000
24.000	26.750	0.035000
31.000	27.350	0.050000
34.000	28.250	0.080000
38.000	28.650	0.110000
60.000	28.650	0.110000
135.000	29.950	0.110000
235.000	30.950	0.110000
435.000	31.950	0.110000

Name: 13C1900X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.750	0.080000
15.000	29.650	0.080000
20.000	28.050	0.080000
26.000	27.450	0.080000
33.000	28.050	0.080000
37.000	29.250	0.080000
62.000	29.450	0.110000
87.000	29.950	0.110000
234.000	31.950	0.110000

Name: 13C2000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-120.000	34.650	0.030000
-90.000	31.750	0.110000
-63.000	31.150	0.110000
-25.000	30.650	0.110000
-16.000	31.950	0.110000
-11.000	31.350	0.080000
-9.000	30.750	0.080000
-8.000	30.650	0.080000
-7.000	30.750	0.080000
-4.000	31.250	0.080000
0.000	31.750	0.110000
25.000	32.150	0.110000
50.000	31.950	0.110000
110.000	33.950	0.110000

Name: 13D0100X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-46.000	31.750	0.045000
-31.000	29.350	0.045000
-26.000	26.350	0.035000
-21.000	26.250	0.035000
-16.000	26.350	0.035000
-13.000	29.850	0.045000
-7.000	30.950	0.045000
0.000	31.150	0.060000

Name: 13D0200X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	35.450	0.080000
-33.000	34.050	0.080000
-28.000	32.450	0.080000
-11.000	29.150	0.080000
-9.000	28.950	0.080000
-4.000	29.450	0.080000
0.000	34.350	0.080000

Name: 13D0400X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.750	0.030000
-25.000	39.450	0.030000
-21.000	36.750	0.050000
-14.000	34.150	0.035000
-11.000	34.350	0.035000
-8.000	34.150	0.035000
-5.000	36.950	0.040000
0.000	38.150	0.030000
10.000	39.450	0.030000
18.000	39.450	0.030000
25.000	39.450	0.030000

Name: 13D0500X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	42.850	0.030000
-35.000	42.750	0.030000
-30.000	40.750	0.045000
-24.000	37.050	0.045000
-14.000	35.750	0.045000
-8.000	34.650	0.035000
-5.000	34.750	0.035000
-3.000	38.950	0.040000

0.000	41.050	0.030000
20.000	41.750	0.030000

Name: 13D0700X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	44.050	0.060000
-36.000	43.750	0.050000
-27.000	39.950	0.050000
-21.000	36.650	0.050000
-16.000	36.350	0.050000
-15.000	35.550	0.045000
-12.000	35.350	0.040000
-10.000	35.550	0.045000
-7.000	37.750	0.030000
0.000	43.450	0.030000
6.000	43.850	0.030000
14.000	44.650	0.030000
20.000	44.650	0.030000

Name: 13D0800X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	45.450	0.030000
-26.000	45.350	0.030000
-23.000	43.650	0.045000
-19.000	41.950	0.045000
-16.000	41.150	0.045000
-14.000	39.150	0.040000
-11.000	38.750	0.035000
-8.000	38.950	0.045000
-5.000	41.650	0.045000
0.000	45.150	0.030000
15.000	46.050	0.030000

Name: 13F-W041 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.400	49.150	0.013000
7.900	49.150	0.013000
8.150	47.950	0.013000
8.400	49.150	0.013000
10.900	49.150	0.013000
16.300	50.950	0.013000
41.300	50.950	0.035000

Name: 13F-W044 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.880	48.990	0.013000
9.780	48.990	0.013000
10.880	47.950	0.013000
11.980	48.990	0.013000
15.880	48.990	0.013000
21.760	50.950	0.013000
46.760	50.950	0.035000

Name: 13F0100X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	46.050	0.080000
-25.000	45.350	0.060000
0.000	45.850	0.035000
7.000	45.350	0.035000
15.000	43.950	0.035000
16.000	43.750	0.045000
17.000	44.450	0.035000
26.000	46.250	0.035000
31.000	46.650	0.035000
36.000	49.250	0.035000

Name: 13F0200X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.150	0.030000
-25.000	46.990	0.030000
0.000	47.150	0.030000
7.000	46.150	0.030000
14.000	45.250	0.030000
15.000	44.850	0.030000
18.000	44.650	0.030000
20.000	44.650	0.030000
29.000	48.050	0.030000
37.000	50.150	0.030000

Name: 13F0500X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.650	0.110000
5.000	49.650	0.110000
14.000	48.750	0.080000
17.000	47.750	0.080000
20.000	47.150	0.080000
23.000	47.950	0.080000
28.000	50.250	0.080000
53.000	48.250	0.080000
80.000	49.550	0.080000

Name: 13F0800X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	56.050	0.030000
-51.000	55.750	0.030000
-36.000	54.750	0.030000
-26.000	53.350	0.030000
-24.000	53.250	0.030000
-21.000	53.350	0.030000
-14.000	54.150	0.030000
0.000	54.650	0.030000
25.000	54.850	0.030000
65.000	56.050	0.030000

Name: 13F1000X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	55.850	0.080000
-60.000	55.450	0.080000
-35.000	55.050	0.080000
-26.000	52.750	0.045000
-24.000	52.750	0.045000
-21.000	52.650	0.045000

-15.000	54.350	0.080000
0.000	55.450	0.080000
25.000	55.750	0.080000

Name: 13G0100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	49.650	0.080000
-50.000	48.950	0.080000
-22.000	48.950	0.080000
-16.000	46.250	0.080000
-12.000	43.850	0.080000
-7.000	43.750	0.080000
-2.000	43.850	0.080000
-1.000	44.750	0.080000
0.000	45.450	0.080000
10.000	46.750	0.080000
25.000	47.350	0.030000

Name: 13G0200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.050	0.030000
-50.000	50.650	0.030000
0.000	50.050	0.030000
3.000	48.050	0.050000
6.000	46.450	0.050000
8.000	45.350	0.080000
11.000	45.250	0.080000
13.000	45.350	0.080000
17.000	48.250	0.080000
24.000	51.450	0.080000
50.000	52.050	0.080000

Name: 13G0400X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	48.750	0.030000
-50.000	48.750	0.030000
0.000	48.250	0.030000
2.000	47.450	0.045000
4.000	45.950	0.045000
7.000	44.550	0.045000
10.000	44.350	0.040000
12.000	44.650	0.045000
16.000	47.550	0.045000
18.000	48.650	0.045000
43.000	50.750	0.030000
56.000	51.450	0.030000
75.000	51.650	0.030000

Name: 13G0500X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-34.000	48.150	0.080000
-24.000	47.650	0.080000
-17.000	46.450	0.045000
-11.000	44.750	0.040000
-9.000	44.750	0.040000
-6.000	44.350	0.040000
-2.000	46.750	0.045000
0.000	47.150	0.030000
21.000	49.050	0.030000
50.000	49.250	0.030000
51.000	53.950	0.030000

Name: 13G0550X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.080000
50.000	48.150	0.080000
100.000	48.950	0.080000

Name: 13G0600X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-20.000	49.450	0.050000
-17.000	48.550	0.050000
-14.000	46.450	0.080000
-12.000	45.550	0.080000
-10.000	45.450	0.080000
-7.000	45.450	0.080000
-6.000	46.150	0.080000
-3.000	48.750	0.050000
0.000	49.350	0.050000
25.000	51.450	0.030000
50.000	52.750	0.030000

Name: 13G1000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
35.000	46.950	0.150000
80.000	45.950	0.150000
122.500	45.850	0.150000
165.000	45.950	0.150000
195.000	46.950	0.150000
250.000	47.950	0.150000
275.000	48.950	0.150000

Name: 13G2000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	50.950	0.035000
18.000	48.950	0.035000
25.000	46.950	0.035000
31.000	43.950	0.035000
44.000	43.950	0.035000
50.000	46.950	0.050000
70.000	48.950	0.150000
100.000	49.950	0.150000

Name: 13G2100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.950	0.035000
60.000	48.950	0.035000
65.000	46.950	0.035000
71.000	43.950	0.035000
74.000	43.950	0.035000
80.000	46.950	0.050000
90.000	48.950	0.150000
120.000	49.950	0.150000

Name: 13G2200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
45.000	46.950	0.150000
82.000	46.850	0.150000
120.000	46.950	0.150000
140.000	48.950	0.150000

Name: 13H0100X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-400.000	53.350	0.030000
-325.000	53.050	0.110000
-300.000	53.150	0.110000
-250.000	53.550	0.110000
-200.000	53.650	0.030000
-148.000	53.550	0.030000
-95.000	53.150	0.030000
-64.000	53.050	0.030000
-44.000	53.250	0.030000
0.000	54.050	0.030000
30.000	55.650	0.050000
61.000	58.550	0.050000

Name: 13H0200X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	66.350	0.035000
30.000	65.950	0.035000
55.000	64.950	0.035000
75.000	64.850	0.040000
95.000	64.950	0.040000
115.000	65.950	0.035000

Name: 13I0300X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	57.930	0.013000
-36.500	57.670	0.013000
-33.000	57.150	0.080000
-28.000	54.950	0.050000
-23.000	51.450	0.050000
-19.000	50.350	0.050000
-16.000	51.050	0.050000
-10.000	52.650	0.050000
0.000	56.530	0.080000
25.000	56.650	0.040000
50.000	57.550	0.016000

Name: 13I0400X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-32.000	56.950	0.110000
-23.000	52.450	0.080000
-18.000	51.950	0.050000
-15.000	51.650	0.050000
-9.000	52.550	0.050000
-5.000	56.750	0.080000

0.000	58.650	0.080000
15.000	58.670	0.050000

Name: 13I0700X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-27.000	59.850	0.110000
-17.000	57.850	0.110000
-14.000	56.650	0.080000
-11.000	54.950	0.035000
-8.000	54.450	0.035000
-6.000	55.450	0.035000
-5.000	56.750	0.080000
0.000	58.550	0.080000
25.000	59.750	0.110000
50.000	59.850	0.110000

Name: 13I1000X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-17.000	60.850	0.080000
0.000	59.950	0.080000
2.000	58.750	0.080000
4.000	57.250	0.080000
7.000	56.950	0.080000
10.000	57.250	0.080000
13.000	58.950	0.080000
17.000	60.250	0.080000
22.000	62.250	0.080000

Name: 13I1250X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-246.000	61.950	0.050000
-126.000	60.950	0.050000
-104.000	59.950	0.050000
-80.000	60.150	0.050000
-62.000	60.250	0.100000
-59.000	57.950	0.080000
-55.000	57.050	0.080000
-53.000	57.250	0.080000
-51.000	59.750	0.080000
0.000	59.850	0.100000
40.000	60.350	0.040000
180.000	62.350	0.040000

Name: 13J0100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	59.950	0.030000
-30.000	58.550	0.030000
-22.000	57.050	0.025000
-19.000	55.450	0.025000
-16.000	54.250	0.025000
-13.000	54.250	0.025000
-10.000	54.250	0.025000
-5.000	55.850	0.025000
-2.000	57.250	0.025000
0.000	57.970	0.030000
20.000	60.550	0.030000
60.000	60.850	0.030000

Name: 13J0310X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	65.550	0.030000
-4.000	62.850	0.030000
0.000	62.250	0.030000
2.000	62.050	0.025000
4.000	60.750	0.025000
6.000	59.750	0.025000
7.000	58.750	0.025000
10.000	58.750	0.025000
12.000	58.750	0.025000
15.000	60.550	0.025000
19.000	62.250	0.025000
21.000	62.750	0.030000
24.000	64.150	0.030000

Name: 13J0600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	74.950	0.030000
-45.000	74.350	0.030000
-19.000	73.150	0.030000
-16.000	71.850	0.030000
-14.000	69.550	0.022000
-13.000	69.150	0.022000
-11.000	69.150	0.022000
-9.000	70.950	0.045000
-5.000	72.450	0.045000
0.000	74.250	0.110000
10.000	74.950	0.110000
25.000	75.080	0.022000

Name: 13J0640X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	75.650	0.110000
-14.000	75.650	0.110000
0.000	74.950	0.080000
5.000	70.150	0.080000
6.000	69.950	0.080000
9.000	70.250	0.080000
12.000	75.650	0.110000
37.000	75.550	0.110000
62.000	75.650	0.110000

Name: 13J0800X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-19.000	77.050	0.060000
-15.000	75.250	0.060000
-10.000	71.950	0.022000
-8.000	71.850	0.022000
-4.000	71.950	0.022000
0.000	76.550	0.060000
25.000	75.950	0.060000

Name: 13J0900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-60.000	76.250	0.030000
-40.000	75.850	0.110000
-15.000	74.850	0.110000

-13.000	73.650	0.110000
-8.000	72.450	0.080000
-5.000	71.950	0.080000
-2.000	72.550	0.080000
0.000	74.750	0.110000
25.000	74.950	0.110000
50.000	75.350	0.110000

Name: 13J1100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	77.750	0.040000
0.000	76.450	0.040000
5.000	74.050	0.040000
7.000	72.550	0.035000
9.000	71.950	0.035000
12.000	72.450	0.035000
16.000	75.050	0.080000
19.000	77.250	0.080000

Name: 13J1300X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	77.450	0.045000
-45.000	77.250	0.045000
-19.000	77.350	0.045000
-15.000	75.650	0.045000
-12.000	72.750	0.045000
-9.000	71.750	0.030000
-5.000	72.950	0.045000
-4.000	74.550	0.045000
0.000	76.950	0.045000
25.000	77.250	0.030000
50.000	77.250	0.030000

Name: 13J1400X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	77.950	0.040000
-23.000	77.550	0.045000
-19.000	75.350	0.045000
-15.000	73.050	0.035000
-12.000	72.650	0.035000
-9.000	72.650	0.035000
-5.000	75.350	0.080000
0.000	77.550	0.080000
30.000	78.550	0.080000

Name: 13J1600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-23.000	78.250	0.045000
-18.000	75.950	0.045000
-15.000	72.750	0.035000
-11.000	71.450	0.035000
-6.000	73.150	0.035000
-4.000	75.850	0.030000
0.000	77.750	0.045000
25.000	78.150	0.030000
50.000	78.250	0.030000

Name: 13J1700X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.000	76.350	0.080000
-70.000	74.950	0.080000
-68.000	73.850	0.080000
-64.000	72.850	0.080000
-61.000	73.650	0.080000
-59.000	74.750	0.080000
-55.000	76.550	0.080000
-39.000	77.150	0.080000
-18.000	78.150	0.080000
-14.000	78.150	0.080000
0.000	81.950	0.045000

Name: 13J1900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-45.000	85.550	0.045000
-25.000	82.150	0.045000
-19.000	79.150	0.045000
-14.000	75.950	0.035000
-10.000	75.050	0.035000
-7.000	76.250	0.035000
-5.000	78.250	0.040000
0.000	81.250	0.040000
25.000	81.750	0.040000
50.000	81.950	0.040000

Name: 13J2100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	81.350	0.030000
-15.000	81.250	0.080000
-12.000	79.350	0.080000
-10.000	75.550	0.080000
-8.000	75.350	0.080000
-6.000	75.650	0.080000
-4.000	78.850	0.060000
0.000	81.750	0.060000
50.000	82.350	0.030000

Name: 13K-W170 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	75.510	0.030000
4.400	73.610	0.030000
6.100	73.610	0.013000
6.101	72.000	0.013000
9.500	72.000	0.013000
9.501	73.590	0.013000
12.700	73.590	0.013000
17.100	75.490	0.030000

Name: 13K0100X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-49.000	56.050	0.110000
-24.000	55.650	0.110000
-19.000	54.450	0.110000
-15.000	54.250	0.110000
-12.000	50.750	0.080000
-9.000	50.250	0.080000
-7.000	50.650	0.080000

-5.000	53.450	0.080000
0.000	55.750	0.080000
25.000	56.350	0.030000
50.000	56.450	0.030000

Name: 13K0400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-77.000	61.120	0.030000
-67.000	60.750	0.030000
-60.000	59.450	0.030000
-43.000	57.550	0.030000
-21.000	57.050	0.030000
-20.000	55.850	0.040000
-17.000	55.050	0.040000
-15.000	55.450	0.040000
-13.000	57.350	0.030000
-10.000	57.950	0.030000
-7.000	59.550	0.030000
0.000	61.050	0.030000

Name: 13K1400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	69.050	0.040000
6.000	66.650	0.040000
10.000	65.350	0.040000
13.000	65.150	0.045000
16.000	65.250	0.040000
20.000	67.150	0.040000
24.000	68.250	0.030000
50.000	68.750	0.030000
75.000	68.950	0.030000

Name: 13K1600X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	76.950	0.040000
-11.000	75.550	0.045000
-8.000	72.450	0.050000
-7.000	72.250	0.050000
-5.000	72.450	0.050000
-4.000	74.250	0.045000
-2.000	76.150	0.040000
0.000	76.350	0.035000
20.000	76.550	0.030000

Name: 13K2000X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	82.650	0.080000
5.000	80.050	0.080000
7.000	78.350	0.050000
8.000	78.150	0.050000
10.000	78.350	0.050000
14.000	80.550	0.080000
17.000	82.350	0.080000
42.000	82.550	0.080000

Name: 13K_SJ30 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
290.000	77.950	0.150000
310.000	77.900	0.150000
330.000	77.950	0.150000
500.000	78.950	0.150000

Name: 13K_SJ35 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.550	0.150000
320.000	77.950	0.150000

Name: 13K_SJ40 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.950	0.150000
35.000	77.950	0.150000
395.000	77.150	0.150000
550.000	77.950	0.150000

Name: 13L-B09X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-13.000	57.070	0.016000
-13.000	52.550	0.016000
-9.000	51.250	0.025000
-6.000	49.350	0.025000
-4.000	48.450	0.045000
0.000	48.350	0.045000
3.000	48.950	0.045000
6.000	50.350	0.035000
10.000	51.750	0.025000
13.600	52.550	0.025000
13.600	57.020	0.016000

Name: 13L-B15X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	55.480	0.016000
-15.000	51.950	0.016000
-13.000	52.050	0.033000
-11.000	51.850	0.033000
-9.000	50.750	0.033000
-6.000	49.350	0.033000
-4.500	49.250	0.035000
-2.000	49.250	0.035000
0.000	49.350	0.035000
4.000	49.650	0.035000
6.000	50.650	0.033000
8.000	51.450	0.033000
10.000	51.750	0.033000
12.000	52.230	0.033000
13.300	52.330	0.033000
15.000	52.750	0.033000
15.000	55.440	0.016000

Name: 13L-B18R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

0.000	59.000	0.050000
20.000	57.000	0.050000
105.000	56.000	0.050000
140.000	56.000	0.015000
175.000	56.000	0.050000
190.000	57.000	0.050000

Name: 13L-B18X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
127.500	55.250	0.035000
127.500	53.750	0.035000
133.000	52.310	0.035000
133.000	55.250	0.040000
133.450	55.250	0.040000
133.450	52.310	0.040000
137.500	51.250	0.035000
138.780	51.120	0.035000
138.780	55.250	0.040000
139.230	55.250	0.040000
139.230	51.120	0.040000
143.500	50.750	0.035000
144.980	51.290	0.035000
144.980	55.250	0.040000
145.430	55.250	0.040000
145.430	51.290	0.040000
150.500	53.750	0.035000
150.500	55.250	0.035000

Name: 13L-B19R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-83.000	58.950	0.035000
-82.000	57.950	0.035000
-11.000	56.950	0.035000
0.000	55.950	0.013000
12.000	56.550	0.015000
24.000	56.550	0.015000
36.000	55.950	0.015000
47.000	55.950	0.013000
153.000	56.050	0.035000
208.000	56.950	0.035000
473.000	57.850	0.035000

Name: 13L-B19X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	55.600	0.040000
4.000	55.450	0.040000
9.530	54.010	0.045000
9.530	55.600	0.040000
9.980	55.600	0.040000
9.980	54.010	0.040000
14.000	52.950	0.045000
15.280	53.010	0.045000
15.280	55.600	0.040000
15.730	55.600	0.040000
15.730	53.010	0.040000
20.000	53.190	0.045000
21.030	53.590	0.045000
21.030	55.600	0.040000
21.480	55.600	0.040000
21.480	53.590	0.040000
27.000	55.450	0.045000
27.000	55.600	0.045000

Name: 13L-B20R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-226.000	59.950	0.040000
-225.000	57.950	0.035000
-82.000	56.250	0.035000
-32.000	56.850	0.035000
-11.000	56.820	0.035000
0.000	56.580	0.013000
12.000	57.170	0.015000
18.000	57.130	0.015000
24.000	57.130	0.015000
36.000	56.620	0.015000
47.000	56.660	0.013000
68.000	56.750	0.035000
118.000	57.150	0.035000
154.000	57.950	0.035000

Name: 13L-B20X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	56.100	0.040000
4.000	55.850	0.040000
9.530	54.390	0.035000
9.530	56.100	0.040000
9.980	56.100	0.040000
9.980	54.390	0.040000
14.000	53.310	0.035000
15.280	53.370	0.035000
15.280	56.100	0.040000
15.730	56.100	0.040000
15.730	53.370	0.040000
20.000	53.550	0.035000
21.030	53.960	0.035000
21.030	56.100	0.040000
21.480	56.100	0.040000
21.480	53.960	0.040000
27.000	56.020	0.035000
27.000	56.120	0.040000

Name: 13L-W082 Group: 13L
Encroachment: No

Revised to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.910	0.035000
4.950	51.810	0.035000
9.900	51.630	0.035000
14.850	51.490	0.035000
19.800	51.430	0.035000
24.750	51.420	0.035000
29.700	51.390	0.035000
34.660	51.350	0.035000
39.610	51.390	0.035000
44.560	51.520	0.035000
49.510	51.670	0.035000
54.460	51.750	0.035000
59.410	51.720	0.035000
64.360	51.610	0.035000
69.310	51.420	0.035000
74.260	51.390	0.035000
79.210	51.400	0.035000
84.160	51.430	0.035000
89.110	51.440	0.035000
94.070	51.460	0.035000
99.020	51.640	0.035000
103.970	51.840	0.035000
108.920	52.070	0.035000
113.870	51.970	0.035000
118.820	51.760	0.035000
123.770	51.580	0.035000
128.720	51.430	0.035000
133.670	51.180	0.035000
137.500	50.880	0.035000
141.320	50.750	0.035000
145.140	50.820	0.035000

150.120	50.990	0.035000
155.090	51.450	0.035000
159.660	51.990	0.035000
164.230	52.010	0.035000
168.800	51.690	0.035000
173.400	51.500	0.035000
178.010	51.570	0.035000
182.620	51.950	0.035000
187.220	52.120	0.035000
191.830	52.100	0.035000
196.430	52.350	0.035000
201.040	52.250	0.035000
205.640	52.460	0.035000
210.250	53.180	0.035000
214.850	53.590	0.035000
219.460	53.800	0.035000
224.160	53.940	0.035000
228.850	54.040	0.035000
233.550	54.090	0.035000
238.250	54.140	0.035000
242.950	54.180	0.035000
247.640	54.260	0.035000

Name: 13L-W190 Group: 13L
Encroachment: No

WINTER PARK DR CONTROL STRUCTURE 13L1900D

Station(ft)	Elevation(ft)	Manning's N
0.000	57.950	0.035000
10.500	54.420	0.035000
26.100	54.420	0.013000
26.110	53.450	0.013000
33.500	53.450	0.013000
33.510	54.450	0.013000
48.500	54.450	0.013000
59.000	57.950	0.035000

Name: 13L-W192 Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.250	0.030000
4.920	58.440	0.030000
9.830	58.580	0.030000
14.750	58.490	0.030000
19.670	58.350	0.030000
24.590	58.220	0.030000
29.500	58.090	0.030000
34.420	57.840	0.080000
39.340	57.400	0.080000
44.260	57.120	0.080000
49.170	57.040	0.080000
54.090	56.820	0.080000
59.010	56.680	0.080000
63.930	56.780	0.080000
68.840	56.920	0.080000
73.760	56.970	0.080000
78.680	57.120	0.080000
83.590	57.340	0.080000
88.510	57.350	0.080000
92.940	57.130	0.080000
97.370	56.910	0.080000
101.790	56.640	0.080000
106.220	56.580	0.080000
110.650	56.890	0.080000
115.080	56.860	0.080000
119.500	56.770	0.080000
123.930	56.690	0.080000
128.850	56.830	0.080000
133.770	57.040	0.080000
138.690	57.240	0.080000
143.610	57.310	0.080000
147.920	57.210	0.080000
152.220	57.130	0.080000
156.530	57.070	0.080000
160.830	57.140	0.080000
165.140	57.310	0.080000
169.440	57.550	0.080000

173.750	57.740	0.080000
178.480	57.840	0.080000
183.220	57.720	0.080000
187.950	57.450	0.080000
192.690	56.940	0.080000
197.430	56.720	0.080000
202.160	56.560	0.080000
206.900	56.530	0.080000
211.630	56.600	0.080000
216.370	56.840	0.080000
221.110	57.350	0.080000
225.840	58.020	0.080000
230.580	58.130	0.080000
235.320	58.240	0.080000
240.050	58.560	0.080000
244.790	58.790	0.080000
249.710	59.050	0.080000
254.630	58.980	0.080000
259.550	58.330	0.080000
264.460	57.780	0.080000
269.380	57.420	0.080000
274.300	57.270	0.080000
279.220	57.440	0.080000
284.140	57.570	0.080000
289.060	57.280	0.080000
293.980	57.030	0.080000
298.900	56.840	0.080000
303.820	56.710	0.080000
308.740	56.460	0.080000
313.650	56.220	0.080000
318.570	56.170	0.080000
323.490	56.110	0.080000
328.410	56.010	0.080000
333.330	56.090	0.080000
338.250	56.300	0.080000
343.170	56.430	0.080000
348.090	56.240	0.080000
352.750	56.090	0.080000
357.410	55.910	0.080000
362.070	55.970	0.080000
366.730	56.160	0.080000
371.390	56.330	0.080000
376.060	56.390	0.080000
380.720	56.480	0.080000
385.380	56.470	0.080000
390.050	56.430	0.080000
394.720	56.380	0.080000
399.390	56.320	0.080000
404.050	56.300	0.080000
408.720	56.290	0.080000
413.390	56.220	0.080000
418.050	56.000	0.080000
423.010	55.960	0.080000
427.970	55.830	0.080000
432.930	55.720	0.080000
437.890	55.630	0.080000
442.860	55.660	0.080000
447.820	55.700	0.080000
452.780	55.790	0.080000
457.140	55.680	0.080000
461.500	55.620	0.080000
465.860	55.610	0.080000
470.220	55.560	0.080000
474.580	55.450	0.080000
478.940	55.330	0.080000
483.310	55.220	0.080000
488.160	55.110	0.080000
493.020	55.040	0.080000
497.880	55.030	0.080000
502.740	55.100	0.080000
507.600	55.110	0.080000
512.460	55.050	0.080000
517.320	55.000	0.080000
522.180	55.040	0.080000
527.040	54.980	0.080000
531.890	54.970	0.080000
536.750	54.990	0.080000
541.610	55.030	0.080000
546.470	55.070	0.080000
551.330	55.070	0.080000
556.190	55.050	0.080000
561.050	55.030	0.080000
565.910	55.000	0.080000
570.760	55.010	0.080000
575.620	55.110	0.080000

580.480	55.310	0.080000
585.450	55.400	0.080000
590.410	55.400	0.080000
595.380	55.440	0.080000
600.340	55.450	0.080000
605.310	55.490	0.080000
610.270	55.600	0.080000
615.240	55.880	0.080000
620.200	55.930	0.080000
625.170	56.040	0.080000
630.040	56.040	0.080000
634.910	56.000	0.080000
639.780	55.860	0.080000
644.650	55.750	0.080000
649.520	55.700	0.080000
654.390	55.650	0.080000
659.260	55.610	0.080000
664.130	55.580	0.080000
669.000	55.580	0.080000
673.860	55.590	0.080000
678.730	55.570	0.080000
683.600	55.540	0.080000
688.470	55.510	0.080000
693.340	55.550	0.080000
698.210	55.710	0.080000
702.990	55.770	0.080000
707.770	55.640	0.080000
712.550	55.480	0.080000
717.320	55.350	0.080000
722.100	55.290	0.080000
726.880	55.340	0.080000
731.660	55.570	0.080000
736.430	55.980	0.080000
741.210	56.030	0.080000
745.990	56.060	0.080000
750.760	56.010	0.080000
755.420	55.870	0.080000
760.080	55.900	0.080000
764.740	56.070	0.080000
769.400	56.090	0.080000
774.060	56.030	0.080000
778.720	56.070	0.080000
783.380	56.140	0.080000
788.030	56.200	0.080000
792.690	56.250	0.080000
797.350	56.350	0.080000
802.010	56.500	0.080000
806.800	56.710	0.080000
811.590	56.880	0.080000
816.370	56.920	0.080000
821.160	56.990	0.080000
825.950	57.080	0.080000
830.740	57.210	0.080000
835.520	57.410	0.080000
840.310	57.480	0.080000
845.100	57.590	0.080000
849.890	57.780	0.080000
854.680	58.120	0.080000
859.460	58.660	0.030000
864.250	59.530	0.030000
869.040	59.740	0.030000
873.830	59.370	0.030000
878.800	59.170	0.030000
883.760	59.280	0.030000
888.730	59.960	0.030000
893.700	60.700	0.030000
898.670	61.160	0.030000

Name: 13L-W196 Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-210.000	57.850	0.035000
0.000	56.950	0.035000
140.000	55.950	0.035000
170.000	55.450	0.072500
200.000	55.950	0.110000
260.000	56.950	0.110000
470.000	57.950	0.110000

Name: 13L-W311 Group: 13L
Encroachment: No

points revised from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	85.500	0.050000
4.470	85.330	0.050000
8.930	85.190	0.050000
13.400	85.300	0.050000
17.860	85.260	0.050000
22.330	85.080	0.050000
26.800	85.000	0.050000
31.770	85.000	0.050000
36.740	84.780	0.050000
41.710	84.590	0.050000
46.690	84.560	0.050000
51.660	84.660	0.050000
56.630	84.890	0.050000
61.500	84.430	0.050000
66.370	84.340	0.050000
71.250	84.460	0.050000
76.120	84.500	0.050000
80.990	84.440	0.050000
85.860	84.220	0.050000
90.800	84.090	0.050000
95.730	84.060	0.050000
100.670	84.120	0.050000
105.600	84.180	0.050000
110.540	84.190	0.050000
115.470	84.300	0.050000
120.410	84.230	0.050000
125.340	84.190	0.050000
130.270	84.080	0.050000
135.190	84.080	0.050000
140.110	84.130	0.050000
145.040	84.220	0.050000
149.960	84.290	0.050000
154.490	84.250	0.050000
159.020	84.290	0.050000
163.550	84.220	0.050000
168.080	84.290	0.050000
172.610	84.360	0.050000
177.140	84.300	0.050000
181.670	84.350	0.050000
186.550	84.170	0.050000
191.430	84.300	0.050000
196.310	84.320	0.050000
201.200	84.200	0.050000
206.080	84.430	0.050000
210.960	84.570	0.050000
215.250	84.460	0.050000
219.530	84.350	0.050000
223.820	84.380	0.050000
228.110	84.480	0.050000
232.400	84.430	0.050000
236.480	84.320	0.050000
240.570	84.410	0.050000
244.650	84.360	0.050000
248.740	84.440	0.050000
252.970	84.620	0.050000
257.200	84.760	0.050000
261.430	84.750	0.050000
265.670	84.650	0.050000
270.200	84.670	0.050000
274.730	84.750	0.050000
279.270	84.950	0.050000
283.800	84.780	0.050000
288.010	84.760	0.050000
292.210	85.110	0.050000
296.420	85.350	0.050000

Name: 13L0100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.150	0.030000
2.000	51.350	0.040000
4.000	49.350	0.040000
11.000	47.050	0.080000

15.000	47.250	0.080000
21.000	47.750	0.040000
24.000	48.450	0.030000
28.000	49.550	0.030000
29.000	50.950	0.030000
35.000	52.650	0.030000

Name: 13L0200X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	54.950	0.030000
3.000	54.350	0.080000
5.000	53.150	0.080000
7.000	52.950	0.080000
9.000	50.750	0.080000
18.000	48.350	0.080000
20.000	48.650	0.045000
24.000	49.650	0.045000
28.000	52.050	0.045000
32.000	54.350	0.040000
57.000	55.050	0.030000

Name: 13L0400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.130	0.013000
3.630	52.100	0.013000
4.820	52.080	0.030000
9.640	50.600	0.030000
14.460	49.570	0.030000
19.280	49.460	0.030000
24.100	49.460	0.030000
28.920	49.460	0.030000
33.740	49.460	0.030000
38.560	49.460	0.030000
43.380	49.460	0.030000
48.200	49.460	0.030000
53.020	49.460	0.030000
57.840	49.760	0.030000
62.660	51.340	0.050000
67.480	52.170	0.060000
72.300	52.010	0.060000

Name: 13L0700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.350	0.030000
1.000	51.050	0.040000
3.000	49.650	0.040000
5.000	48.950	0.040000
8.000	47.850	0.035000
13.000	46.550	0.035000
18.000	46.750	0.035000
39.000	48.050	0.035000
46.000	50.450	0.080000
49.000	51.250	0.080000
57.000	51.350	0.080000
72.000	52.750	0.080000

Name: 13L1200X Group: 13L
Encroachment: No

Revision
Added - Golf Cart path seperating Middle and South Triplet Lake

Station(ft)	Elevation(ft)	Manning's N
0.000	52.230	0.030000
4.990	52.180	0.030000

9.980	52.180	0.030000
14.970	52.180	0.030000
19.950	52.040	0.030000
24.940	52.010	0.030000
29.930	52.050	0.030000
34.920	52.040	0.030000
39.910	51.990	0.030000
44.900	51.940	0.030000
49.890	51.970	0.030000
54.870	52.080	0.030000
59.860	52.200	0.030000
84.800	51.830	0.030000
89.790	51.230	0.030000
94.780	50.600	0.030000
99.770	49.980	0.030000
104.760	49.570	0.030000
109.750	49.460	0.030000
114.740	49.460	0.030000
119.720	49.440	0.030000
124.710	49.570	0.030000
129.700	50.200	0.030000
134.690	50.980	0.030000
139.680	51.330	0.030000
144.670	51.500	0.030000
149.660	51.810	0.030000
154.640	52.000	0.030000
159.630	52.060	0.030000
164.620	52.190	0.030000
169.610	52.330	0.030000
174.600	52.530	0.030000
179.590	52.650	0.030000
184.570	52.740	0.030000
189.560	52.830	0.030000
194.550	52.880	0.030000
199.540	53.000	0.030000
204.530	53.120	0.030000
209.520	53.200	0.030000
214.510	53.300	0.030000

Name: 13L1202XW Group: GEE
Encroachment: No

DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	60.490	0.000000
4.600	60.450	0.000000
9.200	60.410	0.000000
13.800	60.320	0.000000
18.400	59.960	0.000000
22.900	60.440	0.000000
26.700	60.470	0.000000
30.600	60.370	0.000000
34.700	60.290	0.000000
38.800	60.320	0.000000
42.900	60.480	0.000000
47.000	60.570	0.000000
52.000	60.690	0.000000
56.900	60.470	0.000000
62.200	60.500	0.000000

Name: 13L1300X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.450	0.040000
2.000	51.050	0.045000
5.000	49.550	0.045000
9.000	47.850	0.040000
17.000	47.450	0.040000
20.000	48.350	0.040000
24.000	50.250	0.040000
25.000	51.250	0.040000
31.000	52.250	0.030000

Name: 13L1400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.590	0.013000
0.200	52.450	0.020000
1.500	51.950	0.020000
4.000	51.550	0.020000
5.000	51.150	0.035000
7.000	49.850	0.035000
9.000	49.150	0.035000
12.000	48.950	0.035000
17.000	49.550	0.035000
19.000	49.950	0.035000
21.000	50.550	0.035000
23.000	51.450	0.035000
25.000	51.950	0.030000
27.000	52.350	0.030000
29.000	52.750	0.030000
30.000	52.850	0.030000
30.200	57.820	0.013000

Name: 13L1600X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.510	0.013000
0.200	51.950	0.030000
2.000	52.050	0.030000
4.000	51.850	0.030000
6.000	50.750	0.030000
9.000	49.350	0.030000
10.500	49.250	0.035000
13.000	49.250	0.035000
15.000	49.350	0.035000
19.000	49.650	0.035000
21.000	50.650	0.030000
23.000	51.450	0.030000
25.000	51.750	0.030000
27.000	52.230	0.030000
28.300	52.330	0.030000
30.000	52.750	0.030000
30.200	57.510	0.013000

Name: 13L1890XW1 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	59.390	0.000000
4.200	59.250	0.000000
8.400	58.900	0.000000
12.600	58.960	0.000000
16.800	59.080	0.000000
20.900	58.970	0.000000
25.100	58.800	0.000000
29.300	58.610	0.000000
33.500	58.420	0.000000
37.700	58.280	0.000000
41.800	57.920	0.000000
46.400	57.640	0.000000
51.000	57.560	0.000000
55.600	57.540	0.000000
60.200	57.510	0.000000
64.800	57.500	0.000000
69.400	57.580	0.000000
74.100	57.540	0.000000
78.700	57.510	0.000000
83.300	57.550	0.000000
87.900	57.460	0.000000
92.500	57.380	0.000000
97.100	57.340	0.000000
101.900	57.300	0.000000
106.800	57.440	0.000000
111.700	57.350	0.000000
116.600	57.290	0.000000
121.500	57.260	0.000000
126.300	57.140	0.000000

131.100	57.120	0.000000
136.000	57.100	0.000000
140.800	57.080	0.000000
145.700	57.030	0.000000
150.500	57.040	0.000000
155.300	57.020	0.000000
160.200	56.950	0.000000
165.000	56.950	0.000000
169.800	57.000	0.000000
174.700	56.930	0.000000
179.500	56.790	0.000000
184.400	56.770	0.000000
189.200	56.690	0.000000
194.100	56.730	0.000000
199.000	56.650	0.000000
203.800	56.690	0.000000
208.700	56.610	0.000000
213.600	56.630	0.000000
218.400	56.640	0.000000
223.300	56.630	0.000000
228.100	56.680	0.000000
233.000	56.650	0.000000
237.900	56.680	0.000000
242.700	56.640	0.000000
247.600	56.560	0.000000
252.400	56.590	0.000000
257.300	56.650	0.000000
262.200	56.600	0.000000
267.000	56.610	0.000000
271.900	56.630	0.000000
276.800	56.620	0.000000
281.600	56.620	0.000000
286.500	56.660	0.000000
291.300	56.660	0.000000
296.000	56.710	0.000000
300.600	56.730	0.000000
305.200	56.750	0.000000
309.800	56.810	0.000000
314.400	56.800	0.000000
319.000	56.870	0.000000
323.600	56.870	0.000000
328.300	56.920	0.000000
332.900	56.930	0.000000
337.500	57.020	0.000000
342.100	57.050	0.000000
346.700	57.110	0.000000
351.600	57.180	0.000000
356.400	57.210	0.000000
361.200	57.440	0.000000
366.000	57.420	0.000000
370.800	57.420	0.000000
375.700	57.570	0.000000
380.500	57.810	0.000000
385.300	57.980	0.000000
393.400	58.100	0.000000

Name: 13L1890XW2 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	56.410	0.000000
5.000	56.450	0.000000
9.900	56.410	0.000000
14.900	56.420	0.000000
19.800	56.430	0.000000
24.800	56.360	0.000000
29.700	56.340	0.000000
34.300	56.360	0.000000
38.900	56.330	0.000000
43.400	56.290	0.000000
48.000	56.240	0.000000
52.700	56.190	0.000000
57.400	56.090	0.000000
62.200	55.940	0.000000
66.900	55.830	0.000000
71.700	55.750	0.000000
76.400	55.700	0.000000
81.100	55.710	0.000000
85.900	55.670	0.000000
90.600	55.620	0.000000
95.300	55.610	0.000000

100.100	55.630	0.000000
104.800	55.650	0.000000
109.200	55.650	0.000000
113.600	55.560	0.000000
118.000	55.530	0.000000
122.400	55.600	0.000000
126.800	55.630	0.000000
131.200	55.590	0.000000
136.100	55.510	0.000000
140.900	55.380	0.000000
145.800	55.350	0.000000
150.700	55.370	0.000000
155.300	55.440	0.000000
160.000	55.750	0.000000
164.600	56.610	0.000000
169.600	58.300	0.000000
174.500	59.990	0.000000
178.900	60.730	0.000000

Name: 13L1945X Group: 13L
Encroachment: No

Revision
xsec points estimated from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.870	0.030000
4.690	58.790	0.030000
9.380	58.680	0.030000
14.070	58.640	0.030000
18.760	58.660	0.030000
23.450	58.650	0.030000
28.140	58.630	0.030000
32.830	58.650	0.030000
37.510	58.660	0.030000
41.930	58.670	0.030000
46.350	58.710	0.030000
50.770	58.720	0.030000
55.180	58.740	0.030000
59.600	58.680	0.030000
64.020	58.660	0.030000
68.430	58.600	0.030000
73.140	58.590	0.030000
77.840	58.630	0.030000
82.540	58.690	0.030000
87.250	58.720	0.030000
91.950	58.760	0.030000
96.650	58.780	0.030000
101.360	58.790	0.030000
106.060	58.790	0.030000
110.760	58.800	0.030000
115.470	58.810	0.030000
120.170	58.840	0.030000

Name: 13L2300X Group: BASE
Encroachment: No

FROM DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	68.690	0.000000
5.000	68.660	0.000000
9.900	68.620	0.000000
14.900	68.580	0.000000
19.900	68.540	0.000000
24.800	68.460	0.000000
29.800	68.190	0.000000
34.800	67.980	0.000000
39.700	67.790	0.000000
44.700	67.590	0.000000
49.700	67.430	0.000000
54.400	67.330	0.000000
59.200	67.260	0.000000
63.900	67.350	0.000000
68.700	67.540	0.000000
73.500	67.750	0.000000
78.300	67.920	0.000000
83.100	67.890	0.000000
87.800	67.880	0.000000
92.600	67.870	0.000000
97.400	67.900	0.000000

97.800	67.890	0.000000

Name: 13L2400XW Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	72.770	0.000000
4.700	72.620	0.000000
9.400	71.980	0.000000
14.100	71.830	0.000000
18.900	71.980	0.000000
23.600	72.070	0.000000
28.300	71.980	0.000000
33.000	71.890	0.000000
37.700	72.000	0.000000
42.400	72.100	0.000000
46.800	72.420	0.000000

Name: 13L2700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	75.950	0.030000
-32.000	75.450	0.030000
-27.000	74.150	0.030000
-21.000	71.580	0.040000
-18.000	69.750	0.040000
-16.000	69.390	0.040000
-12.000	69.470	0.040000
-9.000	71.550	0.040000
0.000	74.850	0.030000
25.000	74.950	0.030000

Name: 13L2800X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	79.650	0.030000
-32.000	78.850	0.030000
-28.000	78.250	0.040000
-24.000	75.750	0.045000
-20.000	71.750	0.045000
-13.000	70.550	0.080000
-7.000	71.750	0.045000
-5.000	74.650	0.045000
-1.000	77.750	0.030000
0.000	77.750	0.030000

Name: 13L3000X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	80.280	0.030000
-35.000	80.050	0.030000
-28.000	75.850	0.045000
-24.000	72.850	0.045000
-18.000	72.450	0.040000
-12.000	73.050	0.045000
-9.000	75.550	0.045000
-4.000	79.150	0.030000
0.000	79.850	0.030000

Name: 13L3100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-40.000	81.290	0.040000
-32.000	81.250	0.045000
-26.000	78.450	0.045000
-20.000	73.350	0.045000
-17.000	72.750	0.045000
-12.000	73.250	0.045000
-10.000	76.850	0.045000
-5.000	79.650	0.030000
0.000	80.750	0.030000

Name: 13M0300X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-44.000	54.350	0.030000
-40.000	53.350	0.030000
-36.000	49.650	0.035000
-19.000	48.650	0.045000
-11.000	53.550	0.050000
0.000	54.650	0.050000
25.000	54.750	0.030000

Name: 13M0400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	53.950	0.050000
10.000	51.950	0.050000
12.000	49.750	0.035000
16.000	47.950	0.035000
60.000	51.950	0.035000
70.000	52.950	0.050000
80.000	53.950	0.050000

Name: 13M0500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-66.000	54.250	0.030000
-41.000	53.050	0.030000
-35.000	49.550	0.050000
-32.000	47.750	0.050000
-29.000	46.150	0.050000
-22.000	46.250	0.050000
-15.000	46.250	0.050000
-9.000	49.650	0.050000
-5.000	52.050	0.050000
0.000	53.650	0.030000
25.000	53.350	0.030000
50.000	54.750	0.030000

Name: 13M0700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	55.250	0.030000
0.000	54.550	0.030000
3.000	54.250	0.030000
7.000	52.550	0.040000
9.000	50.750	0.040000
13.000	50.550	0.035000
19.000	50.750	0.040000
21.000	53.050	0.050000
23.000	53.750	0.080000

Name: 13M1100X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.950	0.030000
3.000	58.950	0.030000
10.000	56.250	0.030000
18.000	55.350	0.045000
26.000	53.150	0.080000
28.000	52.750	0.080000
30.000	53.550	0.080000
33.000	54.950	0.080000
40.000	56.050	0.080000
42.000	56.350	0.080000

Name: 13M1200X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.150	0.030000
17.000	56.350	0.030000
23.000	55.350	0.040000
28.000	54.350	0.045000
31.000	53.750	0.045000
35.000	54.150	0.045000
39.000	54.550	0.045000
43.000	55.950	0.045000
46.000	56.850	0.045000

Name: 13M1400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-5.000	59.050	0.030000
0.000	58.050	0.030000
19.000	56.850	0.045000
25.000	55.950	0.045000
30.000	54.850	0.045000
33.000	54.150	0.045000
36.000	54.850	0.045000
41.000	56.750	0.045000
45.000	58.050	0.045000

Name: 13M1400XW Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	58.390	0.000000
5.000	58.430	0.000000
9.900	57.710	0.000000
14.900	56.560	0.000000
19.800	56.150	0.000000
24.800	56.510	0.000000
29.800	57.730	0.000000
34.700	58.760	0.000000

Name: 13M1500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.000	61.750	0.030000
-28.000	59.050	0.030000
-14.000	55.050	0.040000
-11.000	55.450	0.080000
-8.000	55.050	0.080000
-5.000	57.150	0.080000
0.000	58.650	0.080000

Name: 13M1700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	61.250	0.030000
-25.000	60.150	0.030000
0.000	59.750	0.080000
3.000	58.350	0.080000
5.000	56.650	0.080000
8.000	55.550	0.035000
25.000	56.750	0.040000
27.000	55.650	0.040000
29.000	59.250	0.030000
55.000	60.050	0.030000

Name: 13M2331X Group: 13M
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	74.740	0.030000
3.710	74.630	0.030000
7.420	74.540	0.030000
11.130	74.370	0.030000
14.580	73.840	0.030000
18.020	73.220	0.030000
21.460	73.330	0.030000
25.300	74.060	0.030000
29.150	74.510	0.030000
32.340	74.490	0.030000
35.540	74.520	0.030000

Name: 13M2331XW2 Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	73.590	0.000000
4.700	73.440	0.000000
9.400	73.370	0.000000
14.100	73.310	0.000000
18.800	73.290	0.000000
23.500	73.280	0.000000
28.200	73.190	0.000000
32.800	73.230	0.000000
37.500	73.080	0.000000
42.200	73.150	0.000000
46.900	73.240	0.000000
51.600	73.220	0.000000
56.300	73.180	0.000000
61.000	73.190	0.000000
65.700	73.220	0.000000
70.400	73.250	0.000000
75.100	73.240	0.000000
79.800	73.160	0.000000
84.500	73.050	0.000000
89.300	72.990	0.000000
94.000	72.920	0.000000
98.700	72.880	0.000000
103.400	72.820	0.000000
108.200	72.780	0.000000
112.900	72.600	0.000000
117.600	72.450	0.000000
122.300	72.290	0.000000
127.100	72.100	0.000000
131.800	71.840	0.000000
136.500	71.500	0.000000
141.200	71.250	0.000000
146.100	71.070	0.000000
151.000	70.950	0.000000
155.900	70.830	0.000000
160.700	70.660	0.000000
165.600	70.460	0.000000
170.500	70.360	0.000000
175.300	70.340	0.000000

180.200	70.240	0.000000
185.100	70.190	0.000000
189.900	70.190	0.000000
194.800	69.960	0.000000
199.700	69.910	0.000000
204.500	69.950	0.000000
209.400	69.930	0.000000
214.300	69.920	0.000000
219.100	69.960	0.000000
224.000	70.030	0.000000
228.900	70.150	0.000000
233.700	70.270	0.000000
238.600	70.370	0.000000
243.500	70.370	0.000000
248.300	70.460	0.000000
253.200	70.440	0.000000
258.100	70.420	0.000000
262.900	70.430	0.000000
267.700	70.400	0.000000
272.400	70.390	0.000000
277.100	70.400	0.000000
281.800	70.410	0.000000
286.500	70.420	0.000000
291.200	70.390	0.000000
295.900	70.400	0.000000
300.100	70.300	0.000000
304.300	70.220	0.000000
308.500	70.170	0.000000
312.700	70.200	0.000000
316.900	70.170	0.000000
321.100	70.180	0.000000
326.000	70.140	0.000000
330.800	70.080	0.000000
335.600	70.010	0.000000
340.500	69.920	0.000000
345.300	69.960	0.000000
350.100	69.990	0.000000
354.900	69.950	0.000000
359.700	69.910	0.000000
364.500	69.770	0.000000
369.300	69.630	0.000000
374.100	69.600	0.000000
378.900	69.590	0.000000
383.700	69.530	0.000000
388.500	69.480	0.000000
393.300	69.450	0.000000
398.100	69.400	0.000000
402.900	69.410	0.000000
407.700	69.410	0.000000
412.500	69.400	0.000000
417.300	69.320	0.000000
422.100	69.280	0.000000
426.900	69.270	0.000000
431.700	69.240	0.000000
436.500	69.200	0.000000
441.300	69.130	0.000000
446.100	69.080	0.000000
450.900	69.060	0.000000
455.700	69.050	0.000000
460.500	69.050	0.000000
465.300	69.120	0.000000
470.100	69.130	0.000000
474.900	69.080	0.000000
479.700	69.080	0.000000
484.500	69.100	0.000000
489.300	69.120	0.000000
494.100	69.150	0.000000
498.800	69.100	0.000000
503.500	68.920	0.000000
508.200	68.710	0.000000
512.900	68.660	0.000000
517.600	68.540	0.000000
522.300	68.430	0.000000
527.000	68.330	0.000000
531.700	68.190	0.000000
536.400	68.110	0.000000
541.100	68.010	0.000000
545.800	67.980	0.000000
552.300	67.820	0.000000

Name: 13M2334X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	72.950	0.035000
15.000	71.950	0.035000
60.000	70.950	0.035000
100.000	69.950	0.035000
107.500	69.350	0.035000
115.000	69.950	0.035000
130.000	72.950	0.035000

Name: 13M2340X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	73.950	0.035000
15.000	72.950	0.035000
25.000	71.950	0.035000
65.000	70.950	0.035000
70.000	69.950	0.035000
85.000	69.950	0.035000
105.000	70.950	0.035000
125.000	71.950	0.035000
145.000	73.950	0.035000

Name: 13N0100X Group: 13N
Encroachment: No

Revised points to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.480	0.050000
4.990	51.340	0.050000
9.980	51.210	0.050000
14.970	51.130	0.050000
19.960	51.090	0.050000
24.950	51.090	0.050000
29.940	51.120	0.050000
34.930	51.390	0.050000
39.920	51.770	0.050000
44.910	50.630	0.035000
49.900	49.490	0.035000
54.890	49.420	0.035000
59.870	49.640	0.035000
64.860	50.780	0.035000
69.850	51.600	0.035000
74.840	51.820	0.050000
79.830	51.820	0.050000
84.820	51.740	0.050000
89.810	51.560	0.050000
94.800	51.470	0.050000
99.790	51.530	0.050000
104.780	51.480	0.050000
105.870	51.450	0.050000

Name: 13N0200X Group: 13N
Encroachment: No

xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.630	0.030000
4.910	56.630	0.030000
9.820	56.620	0.030000
14.730	56.560	0.030000
19.640	56.520	0.030000
24.550	56.500	0.030000
29.460	56.470	0.030000
34.370	56.450	0.030000
39.280	56.400	0.030000
44.190	56.360	0.030000
48.910	56.290	0.030000
53.630	56.250	0.030000
58.350	56.180	0.030000
63.070	56.140	0.030000
67.780	56.080	0.030000
72.500	56.020	0.030000

77.220	56.030	0.030000
81.940	55.960	0.030000
86.650	55.960	0.030000
91.370	55.930	0.030000
96.090	55.920	0.030000
100.810	55.880	0.030000
105.520	55.850	0.030000
110.240	55.870	0.030000
114.960	55.870	0.030000
119.630	55.890	0.030000
124.290	55.870	0.030000
128.960	55.880	0.030000
133.620	55.900	0.030000
138.290	56.010	0.030000
142.950	56.100	0.030000
147.620	56.090	0.030000
152.310	56.230	0.030000
157.010	56.300	0.030000
161.700	56.300	0.030000
161.960	56.310	0.030000

Name: 13N0300X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	54.750	0.060000
0.000	54.250	0.040000
4.000	51.950	0.040000
7.000	49.850	0.035000
9.000	49.850	0.035000
12.000	49.850	0.035000
15.000	51.250	0.050000
23.000	55.750	0.050000
34.000	54.150	0.110000

Name: 13N0350X Group: 13N
Encroachment: No

ELEVATIONS FROM LIDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	57.120	0.030000
4.960	56.960	0.030000
9.920	56.920	0.030000
14.880	56.860	0.030000
19.840	56.790	0.030000
24.810	56.770	0.030000
29.770	56.760	0.030000
34.730	56.700	0.030000
39.690	56.670	0.030000
44.650	56.630	0.030000
49.610	56.610	0.030000
54.570	56.570	0.030000
59.530	56.520	0.030000
64.490	56.480	0.030000
69.460	56.430	0.030000
74.420	56.460	0.030000
79.380	56.430	0.030000
83.550	56.410	0.030000
87.730	56.390	0.030000
91.900	56.500	0.030000
96.070	56.590	0.030000

Name: 13N0400X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	57.050	0.030000
0.000	56.350	0.030000
5.000	55.350	0.045000
9.000	54.050	0.045000
11.000	51.850	0.040000
16.000	51.850	0.040000
19.000	51.950	0.040000
22.000	54.050	0.045000

28.000	55.150	0.050000

Name: 13N0500X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	59.200	0.030000
4.980	59.020	0.030000
9.960	58.890	0.030000
14.940	58.860	0.030000
19.920	58.900	0.030000
24.900	58.980	0.030000
29.880	58.920	0.030000
34.860	58.760	0.030000
39.840	58.770	0.030000
44.820	58.730	0.030000
49.800	58.650	0.030000
54.780	58.640	0.030000
59.760	58.650	0.030000
64.740	58.700	0.030000
69.720	58.780	0.030000
74.700	58.790	0.030000
79.680	58.760	0.030000
84.660	58.740	0.030000
89.640	58.740	0.030000
94.620	58.780	0.030000
99.600	58.960	0.030000
104.580	59.090	0.030000
109.560	59.110	0.030000
114.540	59.120	0.030000
119.520	59.130	0.030000
124.500	59.190	0.030000
129.480	59.180	0.030000
134.460	59.340	0.030000

Name: 13N0600X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	57.250	0.030000
-50.000	57.250	0.030000
-23.000	55.650	0.050000
-19.000	55.450	0.050000
-17.000	53.850	0.050000
-15.000	52.250	0.050000
-10.000	51.950	0.050000
-6.000	52.850	0.050000
-3.000	53.950	0.050000
0.000	55.250	0.050000
65.000	55.950	0.030000

Name: 13N0700X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	56.257	0.060000
4.936	56.197	0.060000
9.872	55.777	0.060000
14.807	55.656	0.060000
19.743	55.518	0.060000
24.679	55.320	0.060000
29.615	55.211	0.060000
34.551	55.332	0.060000
39.486	55.285	0.060000
44.422	55.159	0.060000
49.358	55.113	0.060000
54.294	55.164	0.060000
59.230	55.243	0.060000
64.165	55.084	0.060000
69.101	54.966	0.060000
74.037	54.991	0.060000
78.973	55.279	0.060000
83.909	55.376	0.060000

88.844	55.074	0.060000
93.780	54.561	0.060000
98.716	54.213	0.060000
103.652	54.687	0.060000
108.227	54.423	0.060000
112.803	54.072	0.060000
117.379	53.884	0.060000
121.954	53.903	0.060000
126.530	54.060	0.060000
131.106	54.345	0.060000
135.681	54.549	0.060000
140.257	54.677	0.060000
144.833	54.530	0.060000
149.408	54.681	0.060000
153.984	54.617	0.060000
158.541	54.605	0.060000
163.098	54.702	0.060000
167.655	54.479	0.060000
172.212	54.368	0.060000
176.769	54.404	0.060000
181.327	54.723	0.060000
185.884	55.134	0.060000
190.441	55.605	0.060000
194.998	55.082	0.060000
199.555	54.765	0.060000
204.520	54.566	0.060000
209.485	54.639	0.060000
214.450	54.846	0.060000
219.415	55.070	0.060000
224.380	55.228	0.060000
229.345	55.655	0.060000
234.311	56.085	0.060000
239.276	56.267	0.060000
244.241	56.361	0.060000
248.992	56.499	0.060000

Name: 13P-W175 Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	80.350	0.035000
5.000	78.890	0.035000
5.000	79.990	0.013000
7.500	79.990	0.013000
8.500	76.490	0.013000
13.500	76.490	0.013000
14.500	79.990	0.013000
17.000	79.990	0.013000
17.000	78.230	0.013000
25.400	80.850	0.035000

Name: 13P0100X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	56.050	0.030000
-54.000	55.350	0.030000
-29.000	54.150	0.030000
-23.000	53.250	0.050000
-20.000	51.650	0.050000
-17.000	50.550	0.050000
-14.000	50.350	0.050000
-10.000	50.450	0.050000
-8.000	51.150	0.050000
-6.000	52.350	0.050000
0.000	53.050	0.030000

Name: 13P0200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.850	0.030000
11.000	57.250	0.040000

14.000	55.550	0.040000
16.000	54.050	0.040000
18.000	53.950	0.040000
19.000	54.050	0.045000
21.000	54.350	0.045000
25.000	55.950	0.045000
29.000	57.350	0.045000

Name: 13P0400X Group: 13P
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	62.010	0.030000
4.260	62.110	0.030000
8.510	62.330	0.030000
12.770	62.490	0.030000
17.030	62.410	0.030000
21.400	62.130	0.030000
25.770	60.660	0.045000
30.150	58.800	0.045000
34.520	58.570	0.045000
38.900	59.780	0.045000
43.270	60.950	0.045000
48.120	61.430	0.045000
52.960	61.460	0.030000
57.810	61.160	0.030000
62.650	61.120	0.030000
67.500	61.250	0.030000
71.900	61.450	0.030000
76.300	61.680	0.030000
80.690	61.840	0.030000
85.090	62.040	0.030000
89.490	62.310	0.030000
93.890	62.640	0.030000

Name: 13P0450TMX Group: 13P
Encroachment: No

Revision
xsecs points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.650	0.030000
4.880	55.410	0.030000
9.760	55.090	0.030000
14.640	54.860	0.030000
19.520	54.680	0.030000
24.400	54.550	0.030000
29.270	54.400	0.030000
34.150	54.090	0.030000
39.030	53.550	0.060000
43.910	52.120	0.060000
48.790	51.880	0.060000
53.670	51.750	0.060000
58.550	52.940	0.060000
63.430	53.370	0.060000
68.310	53.080	0.060000
73.190	52.960	0.040000
78.070	53.260	0.040000
82.950	53.570	0.040000
87.820	53.740	0.040000
92.700	53.620	0.040000
95.340	53.540	0.030000
97.980	53.460	0.030000

Name: 13P0450X Group: 13P
Encroachment: No

Revision
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.940	0.030000
4.630	55.600	0.030000
9.270	55.560	0.030000
13.900	55.000	0.040000

18.540	53.510	0.050000
23.170	53.950	0.050000
27.810	55.150	0.050000
32.440	55.290	0.040000
37.080	55.250	0.030000
41.710	55.240	0.030000
46.340	55.120	0.030000
50.980	55.020	0.030000

Name: 13P0500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	65.250	0.030000
-30.000	62.050	0.030000
0.000	60.050	0.030000
15.000	59.850	0.110000
100.000	59.650	0.110000
150.000	60.450	0.110000
190.000	59.850	0.110000
223.000	60.050	0.110000
233.000	62.650	0.110000
240.000	65.150	0.110000
270.000	66.150	0.110000
287.000	63.550	0.110000
322.000	65.650	0.110000
337.000	67.150	0.030000

Name: 13P0600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.000	65.150	0.030000
-66.000	63.950	0.035000
-41.000	62.350	0.035000
-16.000	63.750	0.080000
-11.000	62.750	0.080000
-6.000	61.650	0.080000
-5.000	61.450	0.080000
-2.000	61.150	0.080000
0.000	63.250	0.080000
25.000	64.450	0.035000
50.000	66.850	0.035000

Name: 13P0860X Group: 13P
Encroachment: No

Added
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	72.580	0.030000
4.830	71.990	0.030000
9.660	71.400	0.030000
14.490	71.000	0.030000
19.330	70.560	0.030000
24.160	69.530	0.030000
28.990	68.190	0.060000
33.820	66.760	0.060000
38.650	65.340	0.060000
43.480	67.190	0.060000
48.310	70.270	0.060000
53.140	71.290	0.030000
57.980	71.300	0.030000
62.810	71.360	0.030000
67.640	71.390	0.030000
72.470	71.490	0.030000

Name: 13P0900X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	70.650	0.030000
-25.000	70.050	0.030000
0.000	69.450	0.030000
4.000	68.850	0.030000
6.000	68.450	0.030000
8.000	68.450	0.030000
10.000	69.350	0.030000
11.000	69.850	0.030000
16.000	70.750	0.030000
40.000	71.750	0.030000
66.000	72.150	0.030000

Name: 13P1000X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	71.950	0.110000
-45.000	69.950	0.110000
-19.000	71.450	0.080000
-15.000	70.450	0.080000
-9.000	69.350	0.080000
-7.000	69.450	0.080000
-3.000	69.650	0.045000
-2.000	70.750	0.045000
0.000	71.250	0.040000
25.000	71.350	0.030000
50.000	72.250	0.030000

Name: 13P1200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-31.000	75.250	0.110000
-18.000	74.750	0.040000
-14.000	73.350	0.040000
-11.000	71.950	0.040000
-8.000	71.850	0.040000
-5.000	73.250	0.040000
0.000	74.750	0.030000

Name: 13P1300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-4.000	77.150	0.040000
0.000	76.450	0.040000
4.000	75.550	0.040000
8.000	72.450	0.040000
13.000	75.250	0.040000
18.000	77.050	0.040000
33.000	77.550	0.030000
54.000	79.250	0.030000

Name: 13P1400X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	78.450	0.080000
-18.000	76.350	0.040000
-14.000	74.450	0.035000
-12.000	74.150	0.035000
-10.000	74.550	0.035000
-7.000	75.650	0.035000
0.000	78.150	0.030000

Name: 13P1600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	80.910	0.030000
-45.000	80.550	0.030000
-20.000	78.950	0.040000
-16.000	77.300	0.040000
-13.000	75.280	0.040000
-9.000	75.280	0.040000
-5.000	77.900	0.030000
0.000	79.350	0.030000
25.000	80.050	0.030000
50.000	80.350	0.030000

Name: 13P1700X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	80.850	0.035000
-16.600	77.740	0.035000
-13.500	75.780	0.040000
-11.600	75.770	0.040000
-9.600	75.770	0.040000
-5.000	78.620	0.035000
0.000	80.350	0.030000
25.000	80.850	0.030000
50.000	80.950	0.030000

Name: 13P1815DSX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	78.000	0.050000
3.900	77.000	0.050000
14.600	77.000	0.050000
16.000	78.000	0.050000
17.300	79.000	0.050000
18.600	80.000	0.050000
21.600	81.000	0.050000

Name: 13P1815USX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	79.000	0.050000
3.200	78.000	0.050000
15.000	78.000	0.050000
16.700	79.000	0.050000
18.300	80.000	0.050000
21.600	81.000	0.050000

Name: 13P2020X Group: 13P
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	89.790	0.030000
4.950	89.730	0.030000
9.900	89.760	0.030000
14.840	89.630	0.030000
19.790	89.690	0.030000
24.740	89.590	0.030000
29.690	89.630	0.030000
34.630	89.570	0.030000

39.580	89.590	0.030000
44.530	89.610	0.030000
49.480	89.530	0.030000
54.420	89.600	0.030000
59.370	89.550	0.030000
64.320	89.610	0.030000
69.270	89.520	0.030000
74.210	89.570	0.030000
79.160	89.560	0.030000
84.110	89.570	0.030000
89.060	89.550	0.030000
94.000	89.530	0.030000
98.950	89.580	0.030000
103.880	89.530	0.030000
108.800	89.590	0.030000
113.720	89.470	0.030000
118.650	89.440	0.030000
123.570	89.560	0.030000
128.500	89.430	0.030000
133.420	89.400	0.030000
138.350	89.360	0.030000
143.270	89.320	0.030000
148.200	89.500	0.030000
153.120	89.380	0.030000
158.050	89.410	0.030000
162.970	89.440	0.030000
167.900	89.430	0.030000
172.820	89.450	0.030000
177.750	89.430	0.030000
182.670	89.380	0.030000
187.600	89.450	0.030000
192.520	89.410	0.030000
197.440	89.400	0.030000
202.370	89.390	0.030000
207.290	89.390	0.030000
212.220	89.400	0.030000
217.160	89.380	0.030000
222.100	89.370	0.030000
227.040	89.410	0.030000
231.980	89.410	0.030000
236.920	89.420	0.030000
241.860	89.410	0.030000
246.800	89.440	0.030000
251.740	89.450	0.030000
256.680	89.440	0.030000
261.620	89.400	0.030000
266.560	89.420	0.030000
271.500	89.480	0.030000
276.440	89.600	0.030000
281.380	89.590	0.030000
286.320	89.570	0.030000
291.260	89.650	0.030000
296.190	89.640	0.030000
301.130	89.650	0.030000
306.070	89.650	0.030000
311.010	89.510	0.030000
315.950	89.370	0.030000
320.860	89.260	0.030000
325.770	89.300	0.030000
330.680	89.350	0.030000
335.590	89.360	0.030000
340.500	89.380	0.030000
345.410	89.390	0.030000
350.320	89.360	0.030000
355.230	89.280	0.030000
360.130	89.420	0.030000
365.040	89.520	0.030000
369.950	89.750	0.030000
374.860	90.080	0.030000

Name: 13P2100X Group: 13P
Encroachment: No

Added
points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.680	0.013000
4.890	88.680	0.013000
9.790	88.600	0.013000
14.680	88.560	0.013000
19.570	88.570	0.013000
24.460	88.590	0.013000

29.360	88.560	0.013000
34.250	88.590	0.013000
39.140	88.620	0.013000
44.040	88.660	0.013000
48.930	88.600	0.013000
53.820	88.580	0.013000
58.710	88.590	0.013000
63.610	88.500	0.013000
68.500	88.450	0.013000
73.390	88.490	0.013000
78.290	88.520	0.013000
83.180	88.480	0.013000
88.070	88.470	0.013000
92.960	88.520	0.013000
97.860	88.510	0.013000
102.750	88.520	0.013000
107.640	88.610	0.013000
112.540	88.600	0.013000
117.430	88.600	0.013000
122.320	88.610	0.013000
127.220	88.650	0.013000
132.110	88.650	0.013000

Name: 13P2200X Group: 13P
Encroachment: No

Revision
Updated xsec points from LiDar

Station(ft)	Elevation(ft)	Manning's N
0.000	88.390	0.060000
4.960	88.220	0.060000
9.930	88.210	0.060000
14.890	88.090	0.060000
19.860	88.100	0.060000
24.820	88.070	0.060000
29.790	88.020	0.060000
34.750	87.930	0.060000
39.720	87.710	0.080000
44.680	87.400	0.080000
49.650	87.470	0.080000
54.610	87.770	0.080000
59.580	88.250	0.035000
64.540	88.520	0.030000
69.510	88.710	0.030000
74.470	88.760	0.030000
79.440	88.850	0.030000
84.400	88.910	0.030000

Name: 13P2300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-10.000	91.050	0.040000
0.000	87.950	0.040000
1.000	87.520	0.040000
2.000	84.550	0.035000
15.000	79.950	0.035000
29.000	82.250	0.035000
30.000	87.310	0.035000
31.000	86.250	0.040000
46.000	89.050	0.040000
71.000	90.150	0.040000

Name: 13P2500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	87.250	0.030000
2.000	87.670	0.013000
3.000	83.850	0.013000
14.000	81.950	0.035000
25.000	83.950	0.035000
26.000	86.950	0.013000

29.000	87.450	0.013000
55.000	90.550	0.030000

Name: 13Q-W081 Group: 13Q
Encroachment: No

ANCHOR RD POND CONROL STRUCTURE RISER

Station(ft)	Elevation(ft)	Manning's N
0.000	87.680	0.013000
0.000	87.080	0.013000
1.330	87.080	0.013000
1.330	86.480	0.013000
1.830	86.480	0.013000
1.830	87.080	0.013000
3.167	87.080	0.013000
3.167	87.680	0.013000

Name: 13Q-W083 Group: 13Q
Encroachment: No

updated xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.370	0.030000
4.290	87.600	0.030000
8.580	87.350	0.030000
12.860	87.190	0.050000
17.150	87.170	0.050000
21.800	87.080	0.050000
26.450	87.000	0.050000
31.090	87.240	0.050000
35.740	87.360	0.050000
39.120	87.410	0.050000
42.500	87.350	0.050000
45.880	87.350	0.050000
50.300	87.210	0.050000
54.710	87.040	0.050000
59.120	86.920	0.050000
63.540	86.900	0.050000
67.950	86.930	0.050000
72.360	87.270	0.050000
76.780	87.240	0.050000
81.190	87.100	0.050000
85.950	87.100	0.050000
90.710	87.000	0.050000
95.460	86.950	0.050000
100.220	87.020	0.050000
104.980	87.000	0.050000
109.730	86.870	0.050000
114.490	86.760	0.050000
119.250	86.920	0.050000
124.000	87.110	0.050000
128.760	87.050	0.050000
133.550	86.800	0.050000
138.340	86.780	0.050000
143.120	86.480	0.050000
147.910	86.530	0.050000
152.700	86.500	0.050000
157.480	86.880	0.050000
162.270	86.940	0.050000
166.690	86.890	0.050000
171.110	86.680	0.050000
175.530	86.730	0.050000
179.550	86.980	0.050000
183.570	87.090	0.050000
187.580	87.280	0.030000
191.600	87.620	0.030000

Name: 13Q0500X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.650	0.030000
2.000	88.650	0.030000
5.000	86.850	0.030000
7.000	84.050	0.030000

9.000	83.350	0.030000
12.000	84.150	0.030000
15.000	87.750	0.030000
18.000	89.150	0.030000

Name: 13Q0830X Group: 13Q
Encroachment: No

Added
Points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.300	0.030000
4.910	88.360	0.030000
9.830	88.570	0.030000
14.740	88.540	0.030000
19.650	88.370	0.030000
24.570	88.530	0.030000
29.480	88.590	0.030000
34.400	88.490	0.030000
38.670	88.320	0.030000
42.940	88.010	0.030000
47.210	87.720	0.030000
51.480	87.570	0.030000
55.750	87.760	0.030000
60.170	87.970	0.030000
64.600	88.190	0.030000
69.030	88.380	0.030000
73.460	88.440	0.030000
77.890	88.470	0.030000
82.310	88.540	0.030000
86.740	88.330	0.030000
91.170	88.280	0.030000

Name: 13Q0896X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.610	0.013000
0.000	84.440	0.013000
4.000	84.440	0.013000
4.000	83.360	0.013000
12.000	83.360	0.013000
12.000	84.440	0.013000
16.000	84.440	0.013000
16.000	85.610	0.013000

Name: 13Q1300X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	89.150	0.030000
2.000	88.250	0.030000
4.000	86.750	0.045000
6.000	86.750	0.023000
7.000	86.950	0.023000
11.000	89.050	0.023000
16.000	90.150	0.023000
17.000	90.380	0.030000

Name: 13Q1400X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	91.250	0.040000
-16.000	90.250	0.040000
-12.000	88.150	0.040000
-10.000	87.750	0.023000
-8.000	88.250	0.023000
-5.000	89.950	0.023000

0.000	91.350	0.030000

Name: 13Q2291X Group: 13Q
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	83.150	0.013000
0.000	82.450	0.013000
1.700	82.450	0.013000
1.700	81.250	0.013000
2.300	81.250	0.013000
2.300	82.450	0.013000
4.000	82.450	0.013000
4.000	83.150	0.013000

Name: RA_ALTON Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	19.650	0.035000
0.000	19.580	0.035000
40.000	19.590	0.035000

Name: RA_MOSS Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	36.870	0.035000
-50.000	36.610	0.035000
0.000	36.510	0.035000
50.000	36.670	0.035000
100.000	37.050	0.035000

Name: RA_MURPH Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	44.080	0.035000
-50.000	43.810	0.035000
0.000	43.510	0.035000
50.000	43.670	0.035000
100.000	44.110	0.035000

Name: RC_ALTON Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-105.000	20.010	0.050000
-50.000	19.250	0.050000
0.000	19.750	0.050000
50.000	19.650	0.050000
100.000	19.650	0.050000

Name: RC_HAYES Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-116.000	34.950	0.050000
-100.000	34.150	0.050000

-50.000	33.950	0.050000
0.000	34.150	0.050000
50.000	34.550	0.050000
100.000	35.050	0.050000

Name: RC_JEEP Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-350.000	16.290	0.050000
-100.000	14.350	0.050000
-50.000	14.750	0.050000
0.000	14.750	0.050000
50.000	15.350	0.050000
100.000	17.850	0.050000

Name: RC_SHORE Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.230	0.035000
-50.000	29.850	0.035000
0.000	29.850	0.035000
50.000	30.050	0.050000
100.000	30.850	0.050000

Name: RD_FLAMI Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	41.750	0.035000
-50.000	41.440	0.035000
0.000	41.180	0.035000
50.000	41.180	0.035000
100.000	41.430	0.035000

Name: RD_MOSS Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	38.400	0.035000
0.000	38.350	0.035000
50.000	38.450	0.035000

Name: RF_MURPH Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.650	0.035000
-50.000	51.490	0.035000
0.000	51.080	0.035000
50.000	50.890	0.035000
100.000	50.580	0.035000

Name: RF_SEVEN Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	47.900	0.050000
-50.000	47.750	0.050000
0.000	49.030	0.050000

50.000	49.360	0.050000
100.000	49.540	0.050000

Name: RI_CR434 Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
3700.000	65.530	0.035000
4300.000	64.330	0.035000
4400.000	64.130	0.035000
4500.000	64.420	0.035000
4600.000	65.880	0.035000
4710.000	67.610	0.035000
4810.000	69.010	0.035000

Name: RI_WILDM Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	61.300	0.035000
-50.000	61.330	0.035000
0.000	61.260	0.035000
50.000	61.360	0.035000
100.000	61.600	0.035000

Name: RJ_GRANT Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	63.550	0.035000
-50.000	62.430	0.035000
0.000	61.970	0.035000
25.000	61.970	0.035000

Name: RJ_MARVI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	74.310	0.035000
0.000	74.690	0.035000
50.000	75.170	0.035000
100.000	75.780	0.035000

Name: RJ_OLEAN Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-90.000	78.290	0.050000
-50.000	77.170	0.050000
0.000	76.650	0.050000
50.000	76.550	0.050000
100.000	76.650	0.050000
110.000	76.950	0.050000
250.000	77.650	0.050000

Name: RJ_OVERS Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	76.450	0.050000
-50.000	76.350	0.050000

0.000	76.340	0.050000
50.000	76.250	0.050000
100.000	76.150	0.050000

Name: RJ_TULLI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	77.550	0.050000
-50.000	77.650	0.050000
0.000	77.950	0.050000
50.000	78.050	0.050000
100.000	77.950	0.050000
150.000	78.950	0.050000

Name: RJ_WILDM Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	78.290	0.050000
-50.000	78.210	0.050000
0.000	78.330	0.050000
50.000	78.490	0.050000
100.000	78.730	0.050000
210.000	78.950	0.050000

Name: RK_SEMIN Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	60.840	0.035000
-50.000	60.770	0.035000
0.000	60.800	0.035000
50.000	60.790	0.035000
100.000	60.670	0.035000

Name: RL_NTRIP Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.900	0.030000
4.370	56.810	0.030000
8.740	56.780	0.030000
13.100	56.740	0.030000
17.470	56.710	0.030000
21.840	56.670	0.030000
26.210	56.570	0.030000
31.180	56.390	0.030000
36.160	56.270	0.030000
41.130	56.160	0.030000
46.110	56.110	0.030000
51.080	55.920	0.030000
56.060	55.910	0.030000
61.030	55.860	0.030000
66.010	55.700	0.030000
70.980	55.710	0.030000
75.960	55.630	0.030000
80.940	55.550	0.030000
85.910	55.450	0.030000
90.890	55.430	0.030000
95.860	55.310	0.030000
100.840	55.200	0.030000
105.810	55.250	0.030000
110.790	55.110	0.030000
115.760	55.030	0.030000
120.740	55.070	0.030000
125.710	54.940	0.030000
130.620	54.900	0.030000
135.520	54.840	0.030000

140.420	54.860	0.030000
145.320	54.730	0.030000
150.230	54.770	0.030000
155.130	54.680	0.030000
160.030	54.600	0.030000
164.930	54.610	0.030000
169.830	54.620	0.030000
174.740	54.630	0.030000
179.640	54.610	0.030000
184.540	54.560	0.030000
189.440	54.580	0.030000
194.350	54.680	0.030000
199.250	54.650	0.030000
204.150	54.620	0.030000
209.050	54.700	0.030000
213.950	54.810	0.030000
218.860	54.840	0.030000
223.760	54.830	0.030000
228.660	54.800	0.030000
233.560	54.900	0.030000
238.470	55.010	0.030000
243.320	55.200	0.030000
248.180	55.250	0.030000
253.040	55.240	0.030000
257.900	55.200	0.030000
262.760	55.230	0.030000
267.620	55.380	0.030000
272.480	55.700	0.030000
277.340	55.900	0.030000
282.200	55.840	0.030000
287.060	55.550	0.030000
291.920	55.420	0.030000
296.780	55.500	0.030000
301.640	55.530	0.030000
306.500	55.480	0.030000
311.360	55.450	0.030000
316.220	55.490	0.030000
321.080	55.700	0.030000
325.940	55.810	0.030000
330.800	55.880	0.030000
335.660	55.900	0.030000
340.520	55.940	0.030000
345.370	56.080	0.030000
350.230	56.120	0.030000
355.090	56.090	0.030000
359.950	56.110	0.030000

Name: RL_OXFOR Group: 13L
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	73.900	0.030000
4.820	73.890	0.030000
9.650	73.890	0.030000
14.470	73.880	0.030000
19.300	73.840	0.030000
24.120	73.860	0.030000
28.950	73.810	0.030000
33.770	73.680	0.030000
38.600	73.300	0.030000
43.420	73.210	0.030000
48.250	73.740	0.030000
53.070	74.070	0.030000
57.900	74.160	0.030000
62.720	74.090	0.030000
67.540	74.080	0.030000
72.370	74.200	0.030000
77.190	74.140	0.030000
82.020	74.150	0.030000
86.840	74.210	0.030000
91.670	74.360	0.030000

Name: RP_MORSE Group: 13P
Encroachment: No

revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	90.000	0.030000

4.960	90.000	0.030000
9.930	90.000	0.030000
14.890	90.000	0.030000
19.850	90.000	0.030000
24.810	90.000	0.030000
29.780	90.000	0.030000
34.740	89.960	0.030000
39.700	89.800	0.030000
44.670	89.620	0.030000
49.630	89.570	0.030000
54.590	89.670	0.030000
59.550	89.830	0.030000
64.520	89.950	0.030000
69.480	90.000	0.030000
74.440	90.000	0.030000
79.410	90.000	0.030000
84.370	90.000	0.030000
89.330	90.000	0.030000
94.300	90.000	0.030000
99.260	89.950	0.030000
104.220	89.750	0.030000
109.180	89.550	0.030000
114.150	89.550	0.030000
119.110	89.580	0.030000
124.070	89.610	0.030000
129.040	89.650	0.030000
134.000	89.760	0.030000
138.960	89.930	0.030000
143.920	90.000	0.030000
148.890	90.000	0.030000
153.850	90.000	0.030000
158.810	90.000	0.030000
163.780	90.000	0.030000
168.740	90.000	0.030000
173.700	90.000	0.030000
178.660	90.000	0.030000
183.630	90.000	0.030000
188.590	90.000	0.030000

Name: RP_NTRIP Group: 13P
Encroachment: No

Revision
Updated xsec points to better match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	60.300	0.030000
4.340	60.240	0.030000
8.680	60.230	0.030000
13.030	60.190	0.030000
17.370	60.150	0.030000
21.710	60.170	0.030000
26.050	60.240	0.030000
30.390	60.270	0.030000

Name: RP_SOUTH Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	79.500	0.035000
-50.000	79.470	0.035000
0.000	79.280	0.035000
50.000	79.390	0.035000
100.000	79.400	0.035000

Name: RQ_OAK Group: 13Q
Encroachment: No

Revised xsec. Extended length

Station(ft)	Elevation(ft)	Manning's N
0.000	89.100	0.030000
4.920	89.090	0.030000
9.840	89.130	0.030000
14.770	89.110	0.030000
19.690	89.130	0.030000
24.610	89.130	0.030000

29.530	89.100	0.030000
34.460	89.000	0.030000
39.380	88.960	0.030000
44.300	88.960	0.030000
49.220	88.980	0.030000
54.150	89.020	0.030000
59.070	89.060	0.030000
63.990	89.140	0.030000
68.910	89.110	0.030000

Name: RQ_PINE Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.760	0.030000
4.740	88.750	0.030000
9.490	88.770	0.030000
14.230	88.790	0.030000
18.980	88.800	0.030000
23.720	88.790	0.030000
28.470	88.760	0.030000
33.210	88.770	0.030000
37.950	88.700	0.030000
42.700	88.690	0.030000
47.440	88.590	0.030000
52.190	88.570	0.030000
56.930	88.510	0.030000
61.670	88.510	0.030000
66.420	88.540	0.030000
71.160	88.670	0.030000
75.910	88.770	0.030000
80.650	88.840	0.030000
85.400	88.910	0.030000

==========
==== Operating Tables ==========
==========

Name: 13L-PS10 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
53.450	4.00
53.950	4.90
58.950	4.90

Name: 13P-PS18 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
79.350	1.12
83.950	1.97
86.450	3.92
88.950	3.92

Name: 13P-PS27 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
81.950	8.55
83.450	9.54
84.950	10.52
88.950	10.52

Name: 13P-PS28 Group: OP_TABLES

```
      Type: Rating Curve
  Function: US Stage vs. Discharge


   US Stage(ft)  Discharge(cfs)
--------------- ---------------
         80.950            7.60
         82.450            9.21
         83.450           10.52
         88.950           10.52

==========================================================================================
==== Pipes ===============================================================================
==========================================================================================

         Name: 13A0700C            From Node: 13A0800N          Length(ft): 116.20
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 132.00         132.00                     Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                         Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.820                          Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.960          0.960                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-------------------------------------------------------------------------------------------------
         Name: 13A0701C            From Node: 13A0800N          Length(ft): 114.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 132.00         132.00                     Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                         Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.880                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 6.000          6.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-------------------------------------------------------------------------------------------------
         Name: 13A0702C            From Node: 13A0800N          Length(ft): 112.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 132.00         132.00                     Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                         Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.920                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


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```
         Name: 13A0720S            From Node: 13A0725N          Length(ft): 312.00
        Group: 13A                   To Node: 13A0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 13.880         9.250                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A1200C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 9.790          9.980                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13A1201C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 9.650          9.840                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13A1202C            From Node: 13A1300N          Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 60.00          60.00                      Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                          Exit Loss Coef: 0.00
   Invert(ft): 10.040         9.790                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels
```

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13A1500C            From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 12.730         13.290                          Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          0.670                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13A1501C_1          From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13A1501C_2          From Node: 13A1600N          Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13A3100C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.420         29.390                          Bend Loss Coef: 0.00
  Manning's N: 0.031000       0.031000                      Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3101C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 144.00         144.00                       Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.410         29.370                           Bend Loss Coef: 0.00
  Manning's N: 0.029000       0.029000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3102C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 144.00         144.00                       Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.390         29.350                           Bend Loss Coef: 0.00
  Manning's N: 0.032000       0.032000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.500          4.500                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3310C            From Node: 13A3320P          Length(ft): 50.00
        Group: 13A                   To Node: 13A3300N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 15.00          15.00                        Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                            Exit Loss Coef: 0.00
   Invert(ft): 36.450         36.330                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13A3500C_1          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
```

```
                                                      Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM              Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                          Flow: Both
     Span(in): 144.00         144.00                 Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                      Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                     Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3500C_2          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                      Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM              Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                          Flow: Both
     Span(in): 144.00         144.00                 Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                      Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                     Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3501C            From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                      Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM              Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                          Flow: Both
     Span(in): 144.00         144.00                 Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                      Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.290                     Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          2.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3800C_1          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                      Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM              Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                          Flow: Both
     Span(in): 144.00         144.00                 Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                      Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                     Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
```

Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3800C_2          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3800C_3          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3905C            From Node: 13A3910P          Length(ft): 25.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.070         35.730                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13A3915C            From Node: 13A3920P          Length(ft): 80.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 40.450         40.260                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3925S            From Node: 13A3930N          Length(ft): 130.00
        Group: 13A                   To Node: 13A3920P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.160         36.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3935S            From Node: 13A3940N          Length(ft): 385.00
        Group: 13A                   To Node: 13A3930N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.200         38.740                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3945S            From Node: 13A3950N          Length(ft): 204.00
        Group: 13A                   To Node: 13A3940N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.440         39.240                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3951S            From Node: 13A3952P          Length(ft): 642.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 15.00          15.00                     Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                         Exit Loss Coef: 0.00
   Invert(ft): 44.260         41.690                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3975S            From Node: 13A3980N          Length(ft): 208.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 39.690         39.590                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3985S            From Node: 13A3990P          Length(ft): 120.00
        Group: 13A                   To Node: 13A3980N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 41.590         41.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A4110C            From Node: 13A4120P          Length(ft): 40.00
        Group: 13A                   To Node: 13A4000N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 37.010         38.810                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13B0300C            From Node: 13B0400N          Length(ft): 127.00
        Group: 13B                   To Node: 13B0200N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 68.00          68.00                       Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                           Exit Loss Coef: 0.00
   Invert(ft): 10.660         10.830                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------------
         Name: 13C0650C            From Node: 12-01-02          Length(ft): 135.00
        Group: 13C                   To Node: 13C0600N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 96.00          96.00                       Entrance Loss Coef: 0.20
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 9.390          9.250                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13C0900C            From Node: 13C1000N          Length(ft): 72.00
        Group: 13C                   To Node: 13C0800N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 83.00          83.00                       Entrance Loss Coef: 0.20
     Rise(in): 57.00          57.00                           Exit Loss Coef: 0.00
   Invert(ft): 11.910         12.030                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13C1600C            From Node: 13C1700N          Length(ft): 28.00
        Group: 13C                   To Node: 13C1500N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 25.200         24.990                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13C2100C            From Node: 13C2200P           Length(ft): 40.00
        Group: 13C                   To Node: 13C2000N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 30.370         29.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

```
         Name: 13D0160C_1          From Node: 13D0170P           Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 6.00           6.00                         Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                             Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                           Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0160C_2          From Node: 13D0170P           Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 6.00           6.00                         Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                             Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                           Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0160C_3          From Node: 13D0170P           Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 6.00           6.00                         Entrance Loss Coef: 0.20
```

```
     Rise(in): 6.00           6.00                          Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                        Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0160C_4          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0160C_5          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13D0300S            From Node: 13D0310N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0200N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                     Flow: Both
     Span(in): 57.00          57.00                       Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                           Exit Loss Coef: 0.00
   Invert(ft): 32.800         31.920                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting
```

```
--------------------------------------------------------------------------------------------------
         Name: 13D0320S            From Node: 13D0330N          Length(ft): 35.00
        Group: 13D                   To Node: 13D0310N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.660         32.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


--------------------------------------------------------------------------------------------------
         Name: 13D0340S            From Node: 13D0400N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0330N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.90
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.220         33.580                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


--------------------------------------------------------------------------------------------------
         Name: 13D0600C            From Node: 13D0700N          Length(ft): 49.00
        Group: 13D                   To Node: 13D0500N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 33.680         33.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


--------------------------------------------------------------------------------------------------
         Name: 13F0300C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 45.210         45.380                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13F0301C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 45.290         45.300                          Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13F0415C_1          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 23.00          23.00                       Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
         Name: 13F0415C_2          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 23.00          23.00                       Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
         Name: 13F0415C_3          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 23.00          23.00                       Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                          Bend Loss Coef: 0.00
```

```
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_4          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                               Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 23.00          23.00                          Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                              Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                             Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_1          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                               Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 38.00          38.00                          Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                              Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                             Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_2          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                               Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 38.00          38.00                          Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                              Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                             Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_3          From Node: 13F0430P          Length(ft): 60.00
```

```
        Group: 13F                  To Node: 13F0400P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_4          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                  To Node: 13F0400P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_5          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                  To Node: 13F0400P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_6          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                  To Node: 13F0400P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall
```

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_7          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_8          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0445C            From Node: 13F0450P          Length(ft): 333.00
        Group: 13F                   To Node: 13F0440P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 45.00          45.00                     Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                         Exit Loss Coef: 0.00
   Invert(ft): 42.950         42.950                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
         Name: 13F0900C            From Node: 13F1000P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                         Exit Loss Coef: 0.00
   Invert(ft): 52.850         53.050                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 1.250          1.250                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13G0300C            From Node: 13G0400N          Length(ft): 20.00
        Group: 13G                   To Node: 13G0200N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch          Arch                                     Flow: Both
     Span(in): 71.00         71.00                       Entrance Loss Coef: 0.50
     Rise(in): 47.00         47.00                           Exit Loss Coef: 0.00
   Invert(ft): 43.980        44.200                          Bend Loss Coef: 0.00
  Manning's N: 0.024000      0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000         1.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13I0200C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular   Rectangular                              Flow: Both
     Span(in): 72.00         72.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00         60.00                           Exit Loss Coef: 0.00
   Invert(ft): 47.460        47.530                          Bend Loss Coef: 0.00
  Manning's N: 0.022000      0.032000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000         3.500                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13I0201C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular   Rectangular                              Flow: Both
     Span(in): 72.00         72.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00         60.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.530        48.500                          Bend Loss Coef: 0.00
  Manning's N: 0.026000      0.028000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000         2.500                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13I0500C_1          From Node: FAIRY             Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N               Count: 1
                                                            Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0500C_2          From Node: FAIRY             Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0615C            From Node: 13I0620P          Length(ft): 197.00
        Group: 13I                   To Node: 13I0610P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 48.00          48.00                     Entrance Loss Coef: 0.70
     Rise(in): 48.00          48.00                         Exit Loss Coef: 0.00
   Invert(ft): 46.950         46.950                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0800C_1          From Node: 13I0900N          Length(ft): 37.00
        Group: 13I                   To Node: 13I0700N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels
```

```
-----------------------------------------------------------------------------------------------
         Name: 13I0800C_2          From Node: 13I0900N          Length(ft): 37.00
        Group: 13I                   To Node: 13I0700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13I1100C_1          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                   To Node: 13I1000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1100C_2          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                   To Node: 13I1000N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1502S            From Node: 13I1502N          Length(ft): 271.00
        Group: 13I                   To Node: 13I1500P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 1.00
   Invert(ft): 54.850         54.450                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1504S            From Node: 13I1504N          Length(ft): 169.00
        Group: 13I                   To Node: 13I1502N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 1.00
   Invert(ft): 55.350         54.850                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1506S            From Node: 13I1506N          Length(ft): 481.00
        Group: 13I                   To Node: 13I1504N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 58.750         55.850                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1507S            From Node: 13I1512N          Length(ft): 176.00
        Group: 13I                   To Node: 13I1506N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 60.050         59.250                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1508S            From Node: 13I1508N          Length(ft): 42.00
        Group: 13I                   To Node: 13I1506N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
```

```
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 1.00
   Invert(ft): 59.470         58.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1510S            From Node: 13I1510N           Length(ft): 168.00
        Group: 13I                   To Node: 13I1508N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 1.00
   Invert(ft): 59.550         59.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1512S            From Node: 13I1512N           Length(ft): 30.00
        Group: 13I                   To Node: 13I1510N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 61.160         60.130                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1514S            From Node: 13I1514P           Length(ft): 28.00
        Group: 13I                   To Node: 13I1512N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 61.100         61.100                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13J0200C_1          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 35.00          35.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0200C_2          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 35.00          35.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0200C_3          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 35.00          35.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0340S_1          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N                 Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 60.470         59.440                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0340S_2          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 60.470         59.440                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0360S_1          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0360S_2          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13J0400S_1          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
```

```
   Invert(ft): 65.900         62.450                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0400S_2          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                         Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                             Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                            Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0500C_1          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0500C_2          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
```

```
         Name: 13J0680S            From Node: 13J0680N          Length(ft): 62.00
        Group: 13J                   To Node: 13J0640N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 70.080         69.650                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.500          0.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13J0700S            From Node: 13J0700N          Length(ft): 135.00
        Group: 13J                   To Node: 13J0680N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.210         70.080                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0800C_1          From Node: 13J0800N          Length(ft): 52.00
        Group: 13J                   To Node: 13J0700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0800C_2          From Node: 13J0800N          Length(ft): 52.00
        Group: 13J                   To Node: 13J0700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J1000C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.670         71.430                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J1001C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.490         71.490                         Bend Loss Coef: 0.00
  Manning's N: 0.033000       0.033000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J1200C_1          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13J1200C_2          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J1500C            From Node: 13J1600N          Length(ft): 30.00
        Group: 13J                   To Node: 13J1400N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 43.00          43.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.250         70.760                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.890          1.890                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13J1810C_1          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13J1810C_2          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13J2000C            From Node: 13J2100N          Length(ft): 120.00
        Group: 13J                   To Node: 13J1900N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                           Flow: Both
     Span(in): 48.00          48.00                    Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 75.720         75.700                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels


-----------------------------------------------------------------------------------------------------
         Name: 13J2220C            From Node: 13J2220P          Length(ft): 130.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 30.00          30.00                    Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                        Exit Loss Coef: 0.00
   Invert(ft): 79.120         78.560                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13J2231S            From Node: 13J2231N          Length(ft): 360.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 60.00          60.00                    Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                        Exit Loss Coef: 0.00
   Invert(ft): 71.550         70.050                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------------
         Name: 13J2232S            From Node: 13J2232N          Length(ft): 169.00
        Group: 13J                   To Node: 13J2231N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 42.00          42.00                    Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                        Exit Loss Coef: 0.00
   Invert(ft): 71.750         71.550                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
```

Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0200S_1          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0200S_2          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0300S            From Node: 13K0400N          Length(ft): 147.00
        Group: 13K                   To Node: 13K0250N                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.670         54.750                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0301S            From Node: 13K0400N          Length(ft): 157.00
        Group: 13K                   To Node: 13K0250N                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.770         54.750                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13K0500S            From Node: 13K0550N          Length(ft): 73.00
        Group: 13K                   To Node: 13K0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 56.370         55.410                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13K0600S            From Node: 13K0650N          Length(ft): 280.00
        Group: 13K                   To Node: 13K0550N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 57.730         56.400                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13K0700S            From Node: 13K0750N          Length(ft): 207.50
        Group: 13K                   To Node: 13K0650N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.70
     Rise(in): 37.20          37.20                          Exit Loss Coef: 1.00
   Invert(ft): 58.710         57.730                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 0° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 30° skewed headwall

```
         Name: 13K0800S            From Node: 13K0820N          Length(ft): 170.00
        Group: 13K                   To Node: 13K0750N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 59.380         58.710                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0840S            From Node: 13K0860N          Length(ft): 128.00
        Group: 13K                   To Node: 13K0820N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 59.050         59.360                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K1000S            From Node: 13K1100N          Length(ft): 56.00
        Group: 13K                   To Node: 13K0860N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 59.150         59.120                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K1200S            From Node: 13K1300N          Length(ft): 10.00
        Group: 13K                   To Node: 13K1100N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 58.900         58.880                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13K2100C            From Node: TROUT              Length(ft): 16.00
        Group: 13K                   To Node: 13K2000N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 77.460         77.460                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13K4100C_1          From Node: 13K4200P           Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K4100C_2          From Node: 13K4200P           Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K4300C            From Node: 13K4400P           Length(ft): 21.00
        Group: 13K                   To Node: 13K4200P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.90
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 79.290         78.990                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

```
         Name: 13L0010S            From Node: 13L0020N          Length(ft): 400.00
        Group: 13L                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.850         50.950                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13L0030S            From Node: 13L0040P          Length(ft): 100.00
        Group: 13L                   To Node: 13L0020N                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 12.00          12.00                        Entrance Loss Coef: 0.50
     Rise(in): 12.00          12.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.950         51.850                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13L0300C_1          From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                        Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

```
         Name: 13L0300C_2          From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                        Entrance Loss Coef: 0.20
```

```
     Rise(in): 48.00          48.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------
         Name: 13L0301C            From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.380         48.930                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


-----------------------------------------------------------------------------------------------
         Name: 13L1203C            From Node: 13L1203N          Length(ft): 450.00
        Group: GEE                   To Node: TRIPLT-S               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 15.00          15.00                       Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                          Exit Loss Coef: 1.00
   Invert(ft): 56.900         48.000                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream invert assumed
MXT - revised DS invert

-----------------------------------------------------------------------------------------------
         Name: 13L1890C            From Node: 13L1895P          Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 52.750         52.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13L2100S            From Node: 13L2150N           Length(ft): 95.00
        Group: 13L                   To Node: 13L2050P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                       Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                           Exit Loss Coef: 0.00
   Invert(ft): 56.250         55.280                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2350S            From Node: 13L2400N           Length(ft): 300.00
        Group: 13L                   To Node: 13L2300P                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                       Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                           Exit Loss Coef: 0.00
   Invert(ft): 62.950         61.750                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2600C            From Node: 13L2700N           Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                  Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.150         65.430                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2601C            From Node: 13L2700N           Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                  Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 69.070         65.750                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13L2900C_1          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                           Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
         Name: 13L2900C_2          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                           Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

```
         Name: 13L3110C            From Node: 13L3140P          Length(ft): 669.00
        Group: 13L                   To Node: 13L3100N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 80.950         76.610                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          6.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13M0800S            From Node: 13M0850N          Length(ft): 38.00
        Group: 13M                   To Node: SECRET                 Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 57.00          57.00                       Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                           Exit Loss Coef: 0.00
```

```
   Invert(ft): 49.720         49.460                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.830          1.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13M0900S            From Node: 13M0950N          Length(ft): 122.00
        Group: 13M                   To Node: 13M0850N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.340         49.720                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13M0960S            From Node: 13M0970N          Length(ft): 14.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.980         51.940                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1000S            From Node: 13M1100N          Length(ft): 108.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 52.480         51.040                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
```

```
         Name: 13M1300C            From Node: 13M1400N          Length(ft): 20.00
        Group: 13M                   To Node: 13M1200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.500         54.510                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1550S            From Node: 13M1600N          Length(ft): 110.00
        Group: 13M                   To Node: 13M1500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.750         55.320                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1650S            From Node: CONCORD           Length(ft): 44.00
        Group: 13M                   To Node: 13M1600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 56.740         55.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13M2317S            From Node: 13M2317N          Length(ft): 480.00
        Group: 13M                   To Node: CONCORD                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 1.00
   Invert(ft): 56.730         56.190                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
No invert data available for headwall outfall (DS)
DS invert estimated from mh invert just US of outfall
City Infrastructure (Assumed NVGD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13M2318S            From Node: 13M2318N           Length(ft): 106.00
        Group: 13M                   To Node: 13M2317N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 57.490         55.910                           Bend Loss Coef: 0.00
  Manning's N: 0.011000       0.011000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
HDPE
City Infrastructure (Assumed NVGD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13M2319S            From Node: 13M2319N           Length(ft): 23.00
        Group: 13M                   To Node: 13M2318N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.020         57.240                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revision
GCS_1037_SD (NGVD 29)
Structure S-30 to Existing MH
DS Invert from City Infrastructure (Assumed NVGD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13M2320S            From Node: 13M2320N           Length(ft): 157.00
        Group: 13M                   To Node: 13M2319N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.170         58.020                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
structure S-28 to S-30

```
-----------------------------------------------------------------------------------------------
         Name: 13M2331S            From Node: 13M2331N           Length(ft): 15.00
        Group: 13M                   To Node: 13M2333N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 66.700         65.910                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-38 to S-36


-----------------------------------------------------------------------------------------------
         Name: 13M2333S            From Node: 13M2333N           Length(ft): 68.00
        Group: 13M                   To Node: 13M2320N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 62.910         62.780                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-36 to S-28


-----------------------------------------------------------------------------------------------
         Name: 13M2334S            From Node: 13M2334N           Length(ft): 93.00
        Group: 13M                   To Node: 13M2330P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 1.00
   Invert(ft): 59.220         60.480                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: 13M2335S            From Node: 13M2335N           Length(ft): 248.00
        Group: 13M                   To Node: 13M2334N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
```

```
   Invert(ft): 64.000         63.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: 13N0150S            From Node: 13N0150N          Length(ft): 341.00
        Group: 13N                   To Node: 13N0250N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.000         51.010                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
D110A to D115
GCS_1048_SD (Assaumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13N0250S            From Node: 13N0250N          Length(ft): 261.00
        Group: 13N                   To Node: LOST                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 53.00          53.00                        Entrance Loss Coef: 0.50
     Rise(in): 34.00          34.00                            Exit Loss Coef: 0.00
   Invert(ft): 50.990         50.870                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-thin edge projecting

Revision
D115 to D117
GCS_1048_SD (Assaumed NAVD 88)


-----------------------------------------------------------------------------------------------
         Name: 13N0350S            From Node: 13N0350N          Length(ft): 89.00
        Group: 13N                   To Node: 13N0300N               Count: 3
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 51.460         51.400                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
S-121 to S-120
GCS_1048_SD (Assaumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0500S            From Node: 13N0600N           Length(ft): 100.00
        Group: 13N                   To Node: 13N0400N                Count: 3
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 26.00          26.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.770         51.740                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.900          0.300                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Dimensions and length from Casselberry City Infrastructure
Inverts estimated from DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13N0501P            From Node: 13N0601N           Length(ft): 1000.00
        Group: 13N                   To Node: 13N0600N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 55.000         51.770                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

assumed culvert data from Casselberry infrastructure gis

```
---------------------------------------------------------------------------------------------------
         Name: 13N0800S            From Node: 13N0800P           Length(ft): 425.00
        Group: 13N                   To Node: 13N0805N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 8.00           8.00                        Entrance Loss Coef: 0.70
     Rise(in): 8.00           8.00                            Exit Loss Coef: 0.00
   Invert(ft): 52.260         51.630                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35A to D35
ADS pipe

```
---------------------------------------------------------------------------------------------------
         Name: 13N0810S            From Node: 13N0810N           Length(ft): 53.00
        Group: 13N                   To Node: 13N0300N                Count: 1
                                                             Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 8.00           8.00                     Entrance Loss Coef: 0.50
     Rise(in): 8.00           8.00                         Exit Loss Coef: 0.00
   Invert(ft): 51.620         51.600                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 to D36

-----------------------------------------------------------------------------------------------
         Name: 13N0900S            From Node: 13N0900P           Length(ft): 1026.00
        Group: 13N                   To Node: 13N0800P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.70
     Rise(in): 36.00          36.00                        Exit Loss Coef: 1.00
   Invert(ft): 45.970         44.020                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
D28 to D34
GCS_1048_SD (Assaumed NAVD 88)
DS invert unknown - estimated from US manhole (D33)

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_1          From Node: 13P0400N           Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_2          From Node: 13P0400N           Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13P0300C_3          From Node: 13P0400N          Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13P0700C_1          From Node: 13P0800N          Length(ft): 52.00
        Group: 13P                   To Node: 13P0500P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 63.160         62.060                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
---------------------------------------------------------------------------------------------------
         Name: 13P0700C_2          From Node: 13P0800N          Length(ft): 52.00
        Group: 13P                   To Node: 13P0500P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 63.160         62.060                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
---------------------------------------------------------------------------------------------------
         Name: 13P0950S            From Node: 13P0950N          Length(ft): 190.00
```

```
        Group: 13P                  To Node: 13P0900N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.44
   Invert(ft): 67.310         66.200                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Revision
Changed to/from nodes
Adjusted length to match aerial
Ajusted DS invert to better match terrain


-----------------------------------------------------------------------------------------------------
         Name: 13P1150S            From Node: 13P1200N          Length(ft): 161.00
        Group: 13P                  To Node: 13P1000N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 71.380         69.550                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revised
Updated length, dimensions to match Casselberry City Infrastructure


-----------------------------------------------------------------------------------------------------
         Name: 13P1151S            From Node: 13P1200N          Length(ft): 161.00
        Group: 13P                  To Node: 13P1000N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 70.930         69.550                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revised
Updated length, dimensions to match Casselberry City Infrastructure

-----------------------------------------------------------------------------------------------------
         Name: 13P1500C_1          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                  To Node: 13P1400N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          1.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P1500C_2          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P1810S            From Node: 13P1810P          Length(ft): 13.00
        Group: 13P                   To Node: 13P1811N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 77.110         77.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 3 to DS-3: See sheets 101, 104
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

-----------------------------------------------------------------------------------------------
         Name: 13P1812S            From Node: 13P1812N          Length(ft): 247.00
        Group: 13P                   To Node: 13P1813N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.700         81.400                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 to outfall  - see sheets 101 & 104 (u/s end);
Estimated d/s invert from terrian
```

d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes

```
-----------------------------------------------------------------------------------------------
         Name: 13P1815C           From Node: 13P1815N          Length(ft): 466.00
        Group: GEE                  To Node: 13L3100N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 68.00          68.00                       Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                           Exit Loss Coef: 1.00
   Invert(ft): 74.940         72.750                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

```
-----------------------------------------------------------------------------------------------
         Name: 13P1820S           From Node: 13P1820N          Length(ft): 226.00
        Group: 13P                  To Node: 13P1814N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.150         77.650                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
DS end confirmed from Field Recon by BRW/CLR on 12/7/15 - see field notes
changed To Node from 13P1800P
updated from Survey - Lochrane 07/09/15 - Bainbridge at Casselberry Apartments (NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13P1821S           From Node: 13P1822N          Length(ft): 300.00
        Group: 13P                  To Node: 13P1820N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.750         81.150                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13P1823S           From Node: 13P1824N          Length(ft): 475.00
        Group: 13P                  To Node: 13P1822N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.20
```

```
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 82.650         81.750                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



-----------------------------------------------------------------------------------------------
         Name: 13P1890S            From Node: GRASSY             Length(ft): 310.00
        Group: 13P                   To Node: 13P1820N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.800         81.100                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
Combined mutiple pipes to node 13P1820N due to same size
City of Casselberry Infrastructure (NAVD 88)
US invert estimated from terrain
DS invert from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)
length estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13P2000S            From Node: 13P2010N           Length(ft): 80.00
        Group: 13P                   To Node: GRASSY                  Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.890         77.770                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
DM 6183 to waterbody

-----------------------------------------------------------------------------------------------
         Name: 13P2020S            From Node: 13P2050N           Length(ft): 60.00
        Group: 13P                   To Node: 13P2010N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.010         83.790                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
```

Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
ditch to DM 6183

```
         Name: 13P2100C            From Node: 13P2200N           Length(ft): 47.00
        Group: 13P                   To Node: 13P2050N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.780         84.560                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Updated inverts based on survey
GCS_1046_SD (NAVD 88)

```
         Name: 13P2350S            From Node: 13P2350N           Length(ft): 54.00
        Group: 13P                   To Node: 13P2400P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 83.600         83.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
S-100 to Pond 1 : See sheets 99, 58
Estimated length from aerials
d/s invert estimated - could not find invert on plans
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
         Name: 13P2400C            From Node: PRAIRIE            Length(ft): 16.00
        Group: 13P                   To Node: PEARL                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 96.00          96.00                        Entrance Loss Coef: 0.50
     Rise(in): 96.00          96.00                            Exit Loss Coef: 0.00
   Invert(ft): 81.890         81.440                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
         Name: 13P2400S            From Node: 13P2400P          Length(ft): 50.00
        Group: 13P                   To Node: 13P2410N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 82.410         82.400                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 1 to DS-1: See sheets 99, 102
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

-----------------------------------------------------------------------------------------------
         Name: 13P2420S            From Node: 13P2420N          Length(ft): 590.00
        Group: 13P                   To Node: PRAIRIE                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 1.00
   Invert(ft): 87.400         84.620                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
u/s  invert from plans  - see sheet 99
d/s outfall location assumed
d/s invert estimated from terrain
length estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13P2610S            From Node: 13P2620N          Length(ft): 455.00
        Group: 13P                   To Node: PRAIRIE                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 82.850         81.850                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2630S            From Node: 13P2640N          Length(ft): 180.00
        Group: 13P                   To Node: 13P2620N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 83.350         82.850                         Bend Loss Coef: 0.00
```

```
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2643S            From Node: 13P2643N          Length(ft): 456.00
        Group: 13P                   To Node: 13P2640N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 84.950         83.850                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2644S            From Node: 13P2644N          Length(ft): 580.00
        Group: 13P                   To Node: 13P2643N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 87.550         85.450                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2646S            From Node: 13P2646N          Length(ft): 94.00
        Group: 13P                   To Node: 13P2644N               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 88.450         88.050                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2650S            From Node: 13P2660P          Length(ft): 97.00
```

```
        Group: 13P                  To Node: 13P2640N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 84.350         84.150                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P31200S           From Node: 13P3120N          Length(ft): 250.00
        Group: GEE                   To Node: 13P3150N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 88.740         89.010                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3150S            From Node: 13P3150N          Length(ft): 180.00
        Group: GEE                   To Node: 13P3100P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 1.00
   Invert(ft): 89.050         88.490                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

DS inv calculated by .31% slope. Smart box carries overflow to node.

-----------------------------------------------------------------------------------------------
         Name: 13P3250S            From Node: 13P3250N          Length(ft): 193.00
        Group: GEE                   To Node: 13P3120N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 85.570         88.640                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3300S            From Node: 13P3300N          Length(ft): 214.00
        Group: GEE                   To Node: 13P3250N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 84.400         85.570                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3350S            From Node: 13P3350N          Length(ft): 249.00
        Group: GEE                   To Node: 13P3300N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.900         84.660                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3400S            From Node: 13P3400P          Length(ft): 140.00
        Group: GEE                   To Node: 13P3350N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 54.00          54.00                       Entrance Loss Coef: 0.70
     Rise(in): 54.00          54.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.330         81.900                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3450S            From Node: 13P3450N          Length(ft): 373.00
        Group: GEE                   To Node: 13P3500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 89.190         83.880                          Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3500S            From Node: 13P3500N          Length(ft): 119.00
        Group: GEE                   To Node: PRAIRIE                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 1.00
   Invert(ft): 83.260         82.390                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13Q0821S            From Node: 13Q0821N          Length(ft): 583.00
        Group: 13Q                   To Node: 13Q0822N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.410         83.390                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Structure S-122 to S-115
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)


-----------------------------------------------------------------------------------------------
         Name: 13Q0822S            From Node: 13Q0822N          Length(ft): 371.00
        Group: 13Q                   To Node: GRASSY                  Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 1.00
   Invert(ft): 83.300         83.340                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-115 to S-110
```

GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0861S            From Node: 13Q0861N          Length(ft): 391.00
        Group: 13Q                   To Node: 13Q0865N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 23.00          23.00                      Entrance Loss Coef: 0.50
     Rise(in): 14.00          14.00                          Exit Loss Coef: 0.00
   Invert(ft): 86.090         85.370                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0865S            From Node: 13Q0865N          Length(ft): 99.00
        Group: 13Q                   To Node: 13Q0875N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 19.00          19.00                          Exit Loss Coef: 0.00
   Invert(ft): 85.320         85.100                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0875S            From Node: 13Q0875N          Length(ft): 380.00
        Group: 13Q                   To Node: 13Q0880N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 85.100         84.350                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0880S            From Node: 13Q0880N          Length(ft): 606.00
        Group: 13Q                   To Node: 13Q0885N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 84.350         83.000                         Bend Loss Coef: 0.00
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13Q0885S            From Node: 13Q0885N          Length(ft): 67.00
        Group: 13Q                   To Node: 13Q0890N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                            Exit Loss Coef: 0.00
   Invert(ft): 82.930         82.860                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length not correct in infrastructure - estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0890S            From Node: 13Q0890N          Length(ft): 350.00
        Group: 13Q                   To Node: 13Q0895N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 82.830         82.470                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length in infrastructrue incorrect -  estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0895S            From Node: 13Q0895N          Length(ft): 2.00
        Group: 13Q                   To Node: 13Q0896N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                            Exit Loss Coef: 0.00
   Invert(ft): 78.610         78.600                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
dimensions measured in field
 assumed circular geometry and 5' diameter
inverts measured from top of structure (Top estimated from terrain)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0924S            From Node: 13Q0924P           Length(ft): 298.00
        Group: 13Q                   To Node: 13Q0940P                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.70
     Rise(in): 42.00          42.00                           Exit Loss Coef: 1.00
   Invert(ft): 80.000         80.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S- 128C to S-127A
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q0940S            From Node: 13Q0940P           Length(ft): 126.00
        Group: 13Q                   To Node: 13Q0820P                Count: 2
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.70
     Rise(in): 30.00          30.00                           Exit Loss Coef: 1.00
   Invert(ft): 80.130         79.890                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-121D to S-121C
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13Q2290S            From Node: 13Q2290P           Length(ft): 105.00
        Group: 13Q                   To Node: 13Q2291N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.950         78.620                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

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```

```
         Name: 13Q2292S            From Node: 13Q2292N          Length(ft): 210.00
        Group: 13Q                   To Node: 13Q2293N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 0.00
   Invert(ft): 76.720         75.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

-----------------------------------------------------------------------------------------------------
         Name: 13Q2293S            From Node: 13Q2293N          Length(ft): 439.00
        Group: 13Q                   To Node: 13Q2294N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 75.400         73.310                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------------
         Name: 13Q2295S            From Node: 13Q2295N          Length(ft): 47.00
        Group: 13Q                   To Node: 13Q2296N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.900         73.170                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------------
         Name: 13Q2296S            From Node: 13Q2296N          Length(ft): 35.00
        Group: 13Q                   To Node: 13Q2300P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 72.120         73.050                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)



-----------------------------------------------------------------------------------------------------
         Name: POND8P              From Node: POND8B             Length(ft): 700.00
        Group: 13L                   To Node: POND8A                  Count: 3
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 54.00          54.00                        Entrance Loss Coef: 0.00
     Rise(in): 54.00          54.00                            Exit Loss Coef: 1.00
   Invert(ft): 47.000         47.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


=================================================================================================
==== Channels ===================================================================================
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          Name: 13A0100             From Node: 13A0100N           Length(ft): 831.53
         Group: 13A                   To Node: JESUP                   Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 2.350          2.950                                  Flow: Both
 TClpInitZ(ft): 17.450         10.850                        Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0100X       13A0000X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                               Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------------
          Name: 13A0300             From Node: 13A0300N           Length(ft): 468.49
         Group: 13A                   To Node: 13A0100N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 5.050          2.350                                  Flow: Both
 TClpInitZ(ft): 13.950         17.450                        Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A0300X       13A0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                               Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0600             From Node: 13A0600N          Length(ft): 362.70
         Group: 13A                   To Node: 13A0500N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0600G            From Node: 13A0600N          Length(ft): 581.09
         Group: 13A                   To Node: 13A0500N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: None
 TClpInitZ(ft): 13.950         12.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0900             From Node: 13A0900N          Length(ft): 849.63
         Group: 13A                   To Node: 13A0800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 7.250          4.150                                 Flow: Both
 TClpInitZ(ft): 16.650         17.750                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0950             From Node: 13A0950N          Length(ft): 300.23
         Group: 13A                   To Node: 13A0900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.050          7.250                                 Flow: Both
 TClpInitZ(ft): 16.650         16.650                      Contraction Coef: 0.100
```

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   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0900X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1000             From Node: 13A1000N          Length(ft): 286.49
         Group: 13A                   To Node: 13A0950N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.850          8.050                                 Flow: Both
 TClpInitZ(ft): 17.050         17.050                     Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1000X       13A1000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1100             From Node: 13A1100N          Length(ft): 945.28
         Group: 13A                   To Node: 13A1000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.350         8.850                                 Flow: Both
 TClpInitZ(ft): 20.250         17.050                     Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1100X       13A1000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1400             From Node: 13A1400N          Length(ft): 935.83
         Group: 13A                   To Node: 13A1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 11.950         11.150                                 Flow: Both
 TClpInitZ(ft): 25.250         20.750                     Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13A1400X       13A1300X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------
          Name: 13A1700             From Node: 13A1700N          Length(ft): 725.51
         Group: 13A                   To Node: 13A1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 15.150         12.550                              Flow: Both
 TClpInitZ(ft): 28.750         26.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1700X       13A1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1800             From Node: 13A1800N          Length(ft): 804.08
         Group: 13A                   To Node: 13A1700N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 14.650         15.150                              Flow: Both
 TClpInitZ(ft): 28.050         28.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1800X       13A1700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1900             From Node: 13A1900N          Length(ft): 606.48
         Group: 13A                   To Node: 13A1800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 17.850         14.650                              Flow: Both
 TClpInitZ(ft): 26.950         28.050                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A1900X       13A1800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2200             From Node: 13A2200N          Length(ft): 526.47
         Group: 13A                   To Node: 13A2100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                              Flow: Both
 TClpInitZ(ft): 29.450         27.550                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
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```
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2200G            From Node: 13A2200N           Length(ft): 554.17
         Group: 13A                   To Node: 13A2100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                                Flow: None
 TClpInitZ(ft): 29.450         27.550                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2300             From Node: 13A2300N           Length(ft): 713.10
         Group: 13A                   To Node: 13A2200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 21.150         19.150                                Flow: Both
 TClpInitZ(ft): 32.750         29.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2300X       13A2200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2400             From Node: 13A2400N           Length(ft): 641.78
         Group: 13A                   To Node: 13A2350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.350         21.150                                Flow: Both
 TClpInitZ(ft): 32.950         32.750                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2400X       13A2300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
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          Name: 13A2750             From Node: 13A2750N           Length(ft): 904.10
         Group: 13A                   To Node: 13A2600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         22.650                                Flow: Both
 TClpInitZ(ft): 30.350         32.790                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2700X       13A2600X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A2800             From Node: 13A2800N           Length(ft): 689.46
         Group: 13A                   To Node: 13A2750N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 28.450         25.150                                Flow: Both
 TClpInitZ(ft): 35.250         33.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2800X       13A2750X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A2900             From Node: 13A2900N           Length(ft): 1060.76
         Group: 13A                   To Node: 13A2800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 31.750         28.450                                Flow: Both
 TClpInitZ(ft): 36.950         35.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2900X       13A2800X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A3000             From Node: 13A3000N           Length(ft): 644.30
         Group: 13A                   To Node: 13A2900N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 31.950         31.750                                Flow: Both
 TClpInitZ(ft): 37.350         36.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A3000X       13A2900X                      Outlet Ctrl Spec: Use dc or tw
```

```
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3300             From Node: 13A3300N          Length(ft): 311.71
         Group: 13A                   To Node: 13A3200N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 31.750         32.450                                Flow: Both
 TClpInitZ(ft): 39.950         40.010                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A3300X       13A3200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3400             From Node: 13A3400N          Length(ft): 538.68
         Group: 13A                   To Node: 13A3300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 33.250         31.750                                Flow: Both
 TClpInitZ(ft): 41.750         39.950                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A3400X       13A3300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3700             From Node: 13A3700N          Length(ft): 707.33
         Group: 13A                   To Node: 13A3600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 34.750         32.750                                Flow: Both
 TClpInitZ(ft): 43.930         51.650                       Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A3700X       13A3600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


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```

```
          Name: 13A4000             From Node: 13A4000N          Length(ft): 431.50
         Group: 13A                   To Node: 13A3900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 36.950         36.550                               Flow: Both
 TClpInitZ(ft): 39.850         39.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4000X       13A3900X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4100             From Node: 13A4100N          Length(ft): 322.77
         Group: 13A                   To Node: 13A4000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 37.450         36.950                               Flow: Both
 TClpInitZ(ft): 43.750         39.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.770
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4100X       13A4000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4200             From Node: 13A4200N          Length(ft): 431.82
         Group: 13A                   To Node: 13A4100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 38.250         37.450                               Flow: Both
 TClpInitZ(ft): 44.350         43.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4200X       13A4100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4300             From Node: 13A4300N          Length(ft): 448.11
         Group: 13A                   To Node: 13A4200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 39.050         38.250                               Flow: Both
 TClpInitZ(ft): 48.950         44.350                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4300X       13A4200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4400             From Node: 13A4400N          Length(ft): 532.84
         Group: 13A                   To Node: 13A4300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 40.250         39.050                                 Flow: Both
 TClpInitZ(ft): 47.050         48.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A4400X       13A4300X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4700             From Node: 13A4700N          Length(ft): 466.19
         Group: 13A                   To Node: 13A4600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 40.850         39.850                                 Flow: Both
 TClpInitZ(ft): 45.450         45.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A4600X       13A4600X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4800             From Node: 13A4800N          Length(ft): 204.85
         Group: 13A                   To Node: 13A4700N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 41.850         40.850                                 Flow: Both
 TClpInitZ(ft): 48.060         47.850                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A4800X       13A4700X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5050             From Node: 13A5050N          Length(ft): 269.83
         Group: 13A                   To Node: 13A5000N               Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 42.650         42.350                                Flow: Both
 TClpInitZ(ft): 48.150         48.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5000X       13A5000X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5100             From Node: 13A5100N           Length(ft): 372.55
         Group: 13A                   To Node: 13A5050N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 42.850         42.650                                Flow: Both
 TClpInitZ(ft): 51.150         51.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5100X       13A5100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5200             From Node: 13A5200N           Length(ft): 553.84
         Group: 13A                   To Node: 13A5100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 42.950         42.850                                Flow: Both
 TClpInitZ(ft): 52.250         51.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.670
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5200X       13A5100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5300             From Node: 13A5300N           Length(ft): 240.80
         Group: 13A                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.350         42.950                                Flow: Both
 TClpInitZ(ft): 53.650         52.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5300X       13A5200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A5400             From Node: 13A5400N           Length(ft): 530.56
         Group: 13A                   To Node: 13A5300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.850         43.350                                Flow: Both
 TClpInitZ(ft): 56.450         53.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5400X       13A5300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A5500             From Node: 13A5500N           Length(ft): 292.75
         Group: 13A                   To Node: 13A5400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 44.750         43.850                                Flow: Both
 TClpInitZ(ft): 56.050         56.450                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5500X       13A5400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 51.850         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1: 13A5500X_Aux1                                Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A5600             From Node: 13A5600N           Length(ft): 235.28
         Group: 13A                   To Node: 13A5500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.250         44.750                                Flow: Both
 TClpInitZ(ft): 53.850         56.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A5600X       13A5500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          51.850                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                13A5500X_Aux1                Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A6200             From Node: KATHRYN            Length(ft): 445.11
         Group: 13A                   To Node: 13A6000P                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
```

```
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 47.050         47.050                                Flow: Both
 TClpInitZ(ft): 53.450         53.450                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A6100X       13A6100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13B0500             From Node: 13B0500N           Length(ft): 325.01
         Group: 13B                   To Node: 13B0400N                Count: 1

                UPSTREAM       DOWNSTREAM                     Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 15.450         13.350                                Flow: Both
 TClpInitZ(ft): 23.050         21.650                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13B0500X       13B0400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13B0600             From Node: 13B0600N           Length(ft): 524.30
         Group: 13B                   To Node: 13B0500N                Count: 1

                UPSTREAM       DOWNSTREAM                     Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 19.650         15.450                                Flow: Both
 TClpInitZ(ft): 30.450         23.050                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13B0600X       13B0500X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0100             From Node: 13C0100N           Length(ft): 291.32
         Group: 13C                   To Node: 13A0950N                Count: 1

                UPSTREAM       DOWNSTREAM                     Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 7.950          7.250                                 Flow: Both
 TClpInitZ(ft): 15.950         15.950                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                Exit Loss Coef: 0.500
     Main XSec: 13C0100X       13C0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
```

```
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0200             From Node: 13C0200N          Length(ft): 205.67
         Group: 13C                   To Node: 13C0100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.950          7.950                                 Flow: Both
 TClpInitZ(ft): 16.290         16.290                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13C0200X       13C0200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0300             From Node: 13C0300N          Length(ft): 389.96
         Group: 13C                   To Node: 13C0200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.050         8.950                                 Flow: Both
 TClpInitZ(ft): 15.750         16.290                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13C0300X       13C0200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0600             From Node: 13C0600N          Length(ft): 352.63
         Group: 13C                   To Node: 13C0500N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 9.250          10.450                                Flow: Both
 TClpInitZ(ft): 15.850         15.850                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 1.000
     Main XSec: 13C0700X       13C0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13C0800             From Node: 13C0800N          Length(ft): 705.54
         Group: 13C                   To Node: 13C0600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 13.150         9.250                                 Flow: Both
```

```
 TClpInitZ(ft): 17.550         15.850                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.450
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13C0800X       13C0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1100             From Node: 13C1100N           Length(ft): 717.46
         Group: 13C                   To Node: 13C1000N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 15.150         12.850                                 Flow: Both
 TClpInitZ(ft): 21.950         21.050                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 1.000
     Main XSec: 13C1100X       13C1000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1200             From Node: 13C1200N           Length(ft): 988.12
         Group: 13C                   To Node: 13C1100N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 20.450         15.150                                 Flow: Both
 TClpInitZ(ft): 25.950         21.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 1.000
     Main XSec: 13C1200X       13C1100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1300             From Node: 13C1300N           Length(ft): 474.47
         Group: 13C                   To Node: 13C1200N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.550         20.450                                 Flow: Both
 TClpInitZ(ft): 28.950         25.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.500
  Bot Clip(ft):                                               Exit Loss Coef: 0.500
     Main XSec: 13C1300X       13C1200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
```

```
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1350             From Node: 13C1350N           Length(ft): 563.30
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 23.950         22.550                                Flow: Both
 TClpInitZ(ft): 28.950         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.250
  Bot Clip(ft):                                                 Exit Loss Coef: 0.500
     Main XSec: 13C1400X       13C1300X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1400             From Node: 13C1400N           Length(ft): 479.05
         Group: 13C                   To Node: 13C1350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.450         23.950                                Flow: Both
 TClpInitZ(ft): 28.950         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13C1400X       13C1400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500             From Node: 13C1500N           Length(ft): 515.37
         Group: 13C                   To Node: 13C1400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         25.450                                Flow: Both
 TClpInitZ(ft): 29.750         28.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13C1500X       13C1400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500X            From Node: 13C1500N           Length(ft): 1400.00
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 30.330         25.130                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
```

```
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13C1800             From Node: 13C1800N           Length(ft): 451.89
         Group: 13C                   To Node: 13C1700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 26.750         26.250                                Flow: Both
 TClpInitZ(ft): 31.950         31.950                        Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13C1800X       13C1700X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1850             From Node: 13C1850N           Length(ft): 409.65
         Group: 13C                   To Node: 13C1800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.050         26.750                                Flow: Both
 TClpInitZ(ft): 31.950         31.950                        Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1800X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1900             From Node: 13C1900N           Length(ft): 422.97
         Group: 13C                   To Node: 13C1850N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.450         27.050                                Flow: Both
 TClpInitZ(ft): 31.950         31.950                        Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1900X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------
          Name: 13C2000             From Node: 13C2000N          Length(ft): 599.29
         Group: 13C                   To Node: 13C1900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 30.650         27.450                               Flow: Both
 TClpInitZ(ft): 34.650         34.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13C2000X       13C2000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0150             From Node: 13D0150N          Length(ft): 479.03
         Group: 13D                   To Node: 13A2750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 27.700         25.150                               Flow: Both
 TClpInitZ(ft): 31.750         31.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0100X       13D0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0200             From Node: 13D0200N          Length(ft): 344.56
         Group: 13D                   To Node: 13D0150N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 29.250         27.700                               Flow: Both
 TClpInitZ(ft): 35.450         35.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0200X       13D0200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0500             From Node: 13D0500N          Length(ft): 226.42
         Group: 13D                   To Node: 13D0400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 34.650         34.150                               Flow: Both
 TClpInitZ(ft): 42.850         39.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
```

```
     Main XSec: 13D0500X       13D0400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0750             From Node: 13D0750N           Length(ft): 531.99
         Group: 13D                   To Node: 13D0700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 37.050         35.350                                  Flow: Both
 TClpInitZ(ft): 44.650         44.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13D0700X       13D0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0800             From Node: 13D0800N           Length(ft): 397.55
         Group: 13D                   To Node: 13D0750N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 38.850         37.050                                  Flow: Both
 TClpInitZ(ft): 46.050         46.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13D0800X       13D0800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0200             From Node: 13F0200N           Length(ft): 427.07
         Group: 13F                   To Node: 13A4400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.300         40.250                                  Flow: Both
 TClpInitZ(ft): 50.150         49.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13F0200X       13F0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

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--------------------------------------------------------------------------------------------------
         Name: 13F0750            From Node: 13F0750N          Length(ft): 314.39
        Group: 13F                  To Node: 13F0700N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
   Invert(ft): 52.950         49.900                                  Flow: Both
TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
  Manning's N: 0.035000       0.035000                        Expansion Coef: 0.300
 Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
 Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
    Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft):
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft): 0.000          0.000
 LtSdSlp(h/v): 15.00          15.00
 RtSdSlp(h/v): 15.00          15.00


--------------------------------------------------------------------------------------------------
         Name: 13F0800            From Node: 13F0800N          Length(ft): 276.94
        Group: 13F                  To Node: 13F0750N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 53.250         52.950                                  Flow: Both
TClpInitZ(ft): 56.050         56.050                       Contraction Coef: 0.100
  Manning's N:                                                 Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: 13F0800X       13F0800X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13G0100            From Node: 13G0100N          Length(ft): 454.07
        Group: 13G                  To Node: 13A5050N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 43.750         42.650                                  Flow: Both
TClpInitZ(ft): 49.650         49.650                       Contraction Coef: 0.100
  Manning's N:                                                 Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: 13G0100X       13G0100X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
    Aux XSec1:                                            Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13G0200            From Node: 13G0200N          Length(ft): 318.27
        Group: 13G                  To Node: 13G0100N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 45.250         43.750                                  Flow: Both
TClpInitZ(ft): 52.050         49.650                       Contraction Coef: 0.100
  Manning's N:                                                 Expansion Coef: 0.300
 Top Clip(ft):                                           Entrance Loss Coef: 0.000
 Bot Clip(ft):                                               Exit Loss Coef: 0.000
    Main XSec: 13G0200X       13G0100X                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0500             From Node: 13G0500N           Length(ft): 937.30
         Group: 13G                   To Node: 13G0400N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 44.350         44.340                               Flow: Both
 TClpInitZ(ft): 49.250         51.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G0500X       13G0400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0600             From Node: 13G0600N           Length(ft): 1004.35
         Group: 13G                   To Node: 13G0500N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 45.450         44.350                               Flow: Both
 TClpInitZ(ft): 52.750         49.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G0600X       13G0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2000             From Node: 13G2000N           Length(ft): 326.25
         Group: 13G                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.950         42.950                               Flow: Both
 TClpInitZ(ft): 50.950         50.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G2000X       13G2000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2100             From Node: 13G2100N           Length(ft): 525.11
```

```
        Group: 13G                  To Node: 13G2000N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 43.950        43.950                                Flow: Both
 TClpInitZ(ft): 53.950        50.950                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13G2100X      13G2000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13I0400            From Node: 13I0400N          Length(ft): 304.55
        Group: 13I                  To Node: 13I0300N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.650        50.350                                Flow: Both
 TClpInitZ(ft): 58.670        57.930                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0400X      13I0300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13I0700            From Node: 13I0700N          Length(ft): 255.98
        Group: 13I                  To Node: FAIRY                  Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 54.450        53.950                                Flow: Both
 TClpInitZ(ft): 59.850        59.850                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0700X      13I0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13I1000            From Node: 13I1000N          Length(ft): 495.92
        Group: 13I                  To Node: 13I0900N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 56.950        54.830                                Flow: Both
 TClpInitZ(ft): 62.250        59.850                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I1000X      13I0700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13I1507X            From Node: 13I1512N           Length(ft): 163.00
         Group: 13I                   To Node: 13I1506N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350         64.350                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------
          Name: 13I1510X            From Node: 13I1510N           Length(ft): 760.00
         Group: 13I                   To Node: 13I1504N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350         63.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------
          Name: 13J0340X            From Node: 13J0340N           Length(ft): 92.00
         Group: 13J                   To Node: 13J0320N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.050         64.550                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 11.20          11.20
  RtSdSlp(h/v): 10.70          10.70


-----------------------------------------------------------------------------------------------
          Name: 13J0360X            From Node: 13J0360N           Length(ft): 132.00
         Group: 13J                   To Node: 13J0340N                Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 66.950         65.050                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         0.000
  LtSdSlp(h/v): 5.26           17.00
  RtSdSlp(h/v): 5.67           6.11


-----------------------------------------------------------------------------------------------
          Name: 13J0400X            From Node: 13J0400N          Length(ft): 398.00
         Group: 13J                   To Node: 13J0360N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 72.250         66.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 13.00          8.90
  RtSdSlp(h/v): 9.50           15.00


-----------------------------------------------------------------------------------------------
          Name: 13J0500X            From Node: 13J0600N          Length(ft): 1007.94
         Group: 13J                   To Node: 13J0300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.310         61.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0501X            From Node: 13J0600N          Length(ft): 450.00
         Group: 13J                   To Node: FAIRY                  Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.310         72.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00



-----------------------------------------------------------------------------------------------
          Name: 13J0640             From Node: 13J0640N          Length(ft): 420.00
         Group: 13J                   To Node: 13J0600N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 69.950         69.130                                Flow: Both
 TClpInitZ(ft): 75.650         75.080                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J0640X       13J0600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13J0800X            From Node: 13J0800N          Length(ft): 370.00
         Group: 13J                   To Node: 13J0640N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         75.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000        10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00



-----------------------------------------------------------------------------------------------
          Name: 13J0801X            From Node: 13J0800N          Length(ft): 880.00
         Group: 13J                   To Node: FAIRY                  Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         69.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000        10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00



-----------------------------------------------------------------------------------------------
          Name: 13J0900             From Node: 13J0900N          Length(ft): 311.00
         Group: 13J                   To Node: 13J0800N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
```

```
    Invert(ft): 71.950         71.130                                  Flow: Both
 TClpInitZ(ft): 76.250         75.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J0900X       13J0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1000X            From Node: 13J1000N           Length(ft): 300.00
         Group: 13J                   To Node: 13J0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 77.650         76.340                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 20.000         20.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J1100             From Node: 13J1100N           Length(ft): 91.00
         Group: 13J                   To Node: 13J1000N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.950         71.490                                  Flow: Both
 TClpInitZ(ft): 77.750         77.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1100X       13J1100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1400             From Node: 13J1400N           Length(ft): 336.00
         Group: 13J                   To Node: 13J1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.650         71.750                                  Flow: Both
 TClpInitZ(ft): 78.550         77.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1400X       13J1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1400X            From Node: 13J1400N          Length(ft): 1300.00
         Group: 13J                   To Node: WILDMERE               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 76.550         67.950                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J1800             From Node: 13J1800N          Length(ft): 503.00
         Group: 13J                   To Node: 13J1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 73.250         71.250                                 Flow: Both
 TClpInitZ(ft): 81.950         78.250                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J1700X       13J1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1900             From Node: 13J1900N          Length(ft): 529.00
         Group: 13J                   To Node: 13J1800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.050         73.250                                 Flow: Both
 TClpInitZ(ft): 85.550         85.550                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J1900X       13J1900X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J2200             From Node: 13J2200P          Length(ft): 262.00
         Group: 13J                   To Node: 13J2100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.450         75.350                                 Flow: Both
 TClpInitZ(ft): 82.350         82.350                      Contraction Coef: 0.100
```

```
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13J2100X       13J2100X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1500             From Node: 13K1500N          Length(ft): 757.71
         Group: 13K                   To Node: 13K1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 71.750         65.150                               Flow: Both
 TClpInitZ(ft): 76.950         69.050                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13K1600X       13K1400X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1600             From Node: 13K1600N          Length(ft): 215.39
         Group: 13K                   To Node: 13K1500N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 71.460         72.250                               Flow: Both
 TClpInitZ(ft): 76.950         76.950                     Contraction Coef: 0.500
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 1.000
  Bot Clip(ft):                                         Exit Loss Coef: 1.000
     Main XSec: 13K1600X       13K1600X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1720X            From Node: 13K1750N          Length(ft): 1450.00
         Group: 13K                   To Node: 13K0750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 74.710         66.950                               Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 1.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00
```

```
-----------------------------------------------------------------------------------------------
          Name: 13K2000             From Node: 13K2000N          Length(ft): 406.54
         Group: 13K                   To Node: GRIFFIN                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.460         78.150                               Flow: Both
 TClpInitZ(ft): 82.650         82.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13K2000X       13K2000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L0200             From Node: 13L0200N          Length(ft): 580.00
         Group: 13L                   To Node: KATHRYN                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 47.450         47.050                               Flow: Both
 TClpInitZ(ft): 54.950         52.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L0200X       13L0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L0800             From Node: TRIPLT-N          Length(ft): 1042.05
         Group: 13L                   To Node: 13L0400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 46.550         46.750                               Flow: Both
 TClpInitZ(ft): 52.750         56.250                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.200
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L0700X       13L0400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L1200             From Node: TRIPLT-S          Length(ft): 50.00
         Group: 13L                   To Node: TRIPLT-M               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 49.440         49.440                               Flow: Both
 TClpInitZ(ft): 52.200         52.200                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13L1200X       13L1200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added  - Golf Cart path seperating Middle and South Triplet Lake
 Middle and South  Triplet Lake were orginally modeled as one node
xsec points, inverts, and Top Clip Elev from LiDar
length estimated from aerials

-------------------------------------------------------------------------------------------------
          Name: 13L1400             From Node: 13L1400N           Length(ft): 530.00
         Group: 13L                   To Node: TRIPLT-S                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 48.950         47.650                                Flow: Both
 TClpInitZ(ft): 57.820         52.250                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L1400X       13L1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13L1700             From Node: QUEENS             Length(ft): 175.00
         Group: 13L                   To Node: 13L1600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.250         49.250                                Flow: Both
 TClpInitZ(ft): 57.510         57.510                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L1600X       13L1600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13L2800             From Node: 13L2800N           Length(ft): 315.97
         Group: 13L                   To Node: 13L2700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 70.550         69.050                                Flow: Both
 TClpInitZ(ft): 79.650         75.950                       Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L2800X       13L2700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L3100             From Node: 13L3100N          Length(ft): 252.63
         Group: 13L                   To Node: 13L3000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 72.750         72.400                               Flow: Both
 TClpInitZ(ft): 81.450         81.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13L3100X       13L3000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M0400             From Node: SECRET            Length(ft): 381.39
         Group: 13M                   To Node: 13M0300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 47.950         48.650                               Flow: Both
 TClpInitZ(ft): 54.750         54.750                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M0300X       13M0300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M1200             From Node: 13M1200N          Length(ft): 299.46
         Group: 13M                   To Node: 13M1100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 53.750         52.480                               Flow: Both
 TClpInitZ(ft): 58.150         58.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M1200X       13M1100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13M1500             From Node: 13M1500N          Length(ft): 323.64
         Group: 13M                   To Node: 13M1400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
```

```
    Invert(ft): 55.050         54.150                                  Flow: Both
 TClpInitZ(ft): 61.750         59.050                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M1500X       13M1400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M2340             From Node: 13M2340P           Length(ft): 868.00
         Group: 13M                   To Node: 13M2335N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 70.550         68.800                                  Flow: Both
 TClpInitZ(ft): 73.950         72.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M2340X       13M2334X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised To Node and d/s Invert
GCS_1037_SD (NGVD 29)


-----------------------------------------------------------------------------------------------
          Name: 13N0200             From Node: LOST               Length(ft): 394.00
         Group: 13N                   To Node: TRIPLT-M                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.440         49.350                                  Flow: Both
 TClpInitZ(ft): 51.820         51.820                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0100X       13N0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

revised xsec points to match terrain
updated u/s and d/s inverts
Updated Top Clip Elev.


-----------------------------------------------------------------------------------------------
          Name: 13N0300             From Node: 13N0300N           Length(ft): 438.61
         Group: 13N                   To Node: LOST                    Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.850         49.250                                  Flow: Both
 TClpInitZ(ft): 55.950         55.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
```

```
     Main XSec: 13N0300X       13N0300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13N0400             From Node: 13N0400N           Length(ft): 635.00
         Group: 13N                   To Node: 13N0350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.740         49.850                                 Flow: Both
 TClpInitZ(ft): 57.050         55.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13N0400X       13N0400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised length based on survey
GCS_1048_SD
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13N0700             From Node: YVONNE             Length(ft): 338.64
         Group: 13N                   To Node: 13N0600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.750         51.770                                 Flow: Both
 TClpInitZ(ft): 57.250         57.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13N0600X       13N0600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P0450C            From Node: 13P0450N           Length(ft): 605.00
         Group: 13P                   To Node: TRIPLT-M                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 53.250         50.340                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13P0450X       13P0450TMX                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
```

```
  RtSdSlp(h/v):

Revision
Added
xsecs points from terrain


-----------------------------------------------------------------------------------------------
          Name: 13P0500C            From Node: 13P0500P           Length(ft): 1100.00
         Group: 13P                   To Node: POND2                  Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 58.570         53.000                                   Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
   Manning's N: 0.030000       0.030000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 5.000          5.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00



-----------------------------------------------------------------------------------------------
          Name: 13P0860X            From Node: 13P0900N           Length(ft): 163.00
         Group: 13P                   To Node: 13P0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 66.200         63.160                                   Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13P0860X       13P0860X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Adjusted length to match aerial
Changed geometry from trapezoidal to better match terrain
xsec points from terrain
updated u/s and d/s inverts to match pipe inverts


-----------------------------------------------------------------------------------------------
          Name: 13P1000             From Node: 13P1000N           Length(ft): 303.47
         Group: 13P                   To Node: 13P0950N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 68.700         67.310                                   Flow: Both
 TClpInitZ(ft): 72.250         72.150                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.610
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13P1000X       13P0900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Changed To Node
updated u/s invert to match pipe invert
```

```
-----------------------------------------------------------------------------------------------
          Name: 13P1300             From Node: 13P1300N          Length(ft): 282.30
         Group: 13P                   To Node: 13P1200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 72.450         70.930                               Flow: Both
 TClpInitZ(ft): 77.550         75.250                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.330
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13P1300X       13P1200X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13P1400             From Node: 13P1400N          Length(ft): 192.00
         Group: 13P                   To Node: 13P1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 74.040         72.450                               Flow: Both
 TClpInitZ(ft): 78.450         77.550                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13P1400X       13P1300X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P1650             From Node: 13P1650N          Length(ft): 160.07
         Group: 13P                   To Node: 13P1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.280         74.850                               Flow: Both
 TClpInitZ(ft): 80.910         80.910                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13P1600X       13P1600X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13P1700             From Node: 13P1700N          Length(ft): 225.92
         Group: 13P                   To Node: 13P1650N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.890         75.280                               Flow: Both
 TClpInitZ(ft): 80.950         80.950                   Contraction Coef: 0.100
```

```
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13P1700X       13P1700X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13P1813C            From Node: 13P1813N           Length(ft): 150.00
         Group: 13P                   To Node: 13P1814N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 81.140         78.590                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N: 0.040000       0.060000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00

Added
Channel with dense grass/weeds
Estimated  inverts from terrian
Estimated length and slope from aerials
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
d/s invert updted to match pipe invert

-----------------------------------------------------------------------------------------------
          Name: 13P1815             From Node: 13P1814N           Length(ft): 291.00
         Group: 13P                   To Node: 13P1815N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.650         74.940                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P1815USX     13P1815DSX                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

-----------------------------------------------------------------------------------------------
          Name: 13P2250             From Node: PEARL              Length(ft): 436.00
         Group: 13P                   To Node: 13P2200N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 87.960         87.530                                Flow: Both
 TClpInitZ(ft): 88.770         88.650                      Contraction Coef: 0.100
   Manning's N:                                                  Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13P2200X       13P2200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length updated to match aerials/terrain
updated xsec points from Lidar
updated Inverts and top clip ref elevations

==================================================================================
==== Drop Structures ==============================================================
==================================================================================

         Name: 13A0730D            From Node: 13A0735P           Length(ft): 207.00
        Group: 13A                   To Node: 13A0725N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.200
   Invert(ft): 14.520         13.880                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13A0730D ***
                                                                                TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 2.800
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 18.970
               Rise(in): 60.00                  Control Elev(ft): 18.970


-------------------------------------------------------------------------------------------------
         Name: 13A2210D            From Node: 13A2220P           Length(ft): 152.00
        Group: 13A                   To Node: 13A2200N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 24.860         20.710                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13A2210D ***
                                                                                TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis            Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 33.00                        Invert(ft): 30.330
               Rise(in): 30.48                  Control Elev(ft): 30.330

*** Weir 2 of 2 for Drop Structure 13A2210D ***
                                                                                TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 2.800
               Geometry: Rectangular           Orifice Disc Coef: 0.600
```

```
              Span(in): 36.96                      Invert(ft): 32.350
              Rise(in): 48.00                 Control Elev(ft): 32.350


-----------------------------------------------------------------------------------------------
         Name: 13A2810D           From Node: 13A2820P          Length(ft): 75.00
        Group: 13A                  To Node: 13A2800N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                               Flow: Both
     Rise(in): 42.00          42.00                  Entrance Loss Coef: 0.200
   Invert(ft): 28.950         28.920                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 33.7° bevels

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 3 for Drop Structure 13A2810D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 105.36                      Invert(ft): 35.380
              Rise(in): 999.00                 Control Elev(ft): 35.380

*** Weir 2 of 3 for Drop Structure 13A2810D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 73.44                       Invert(ft): 36.380
              Rise(in): 999.00                 Control Elev(ft): 36.380

*** Weir 3 of 3 for Drop Structure 13A2810D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 15.00                       Invert(ft): 31.380
              Rise(in): 15.00                  Control Elev(ft): 31.380


-----------------------------------------------------------------------------------------------
         Name: 13A5310D           From Node: 13A5320P          Length(ft): 87.00
        Group: 13A                  To Node: 13A5300N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                               Flow: Both
     Rise(in): 24.00          24.00                  Entrance Loss Coef: 0.500
   Invert(ft): 45.070         44.890                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13A5310D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 26.40                       Invert(ft): 49.020
```

```
              Rise(in): 6.00                  Control Elev(ft): 49.020

*** Weir 2 of 2 for Drop Structure 13A5310D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.20                       Invert(ft): 50.740
              Rise(in): 24.00                 Control Elev(ft): 50.740


-----------------------------------------------------------------------------------------------
         Name: 13C0400D            From Node: 13C0500N          Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.500
   Invert(ft): 9.620          9.350                         Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                       Invert(ft): 10.350
              Rise(in): 999.00                Control Elev(ft): 10.350


-----------------------------------------------------------------------------------------------
         Name: 13C0401D            From Node: 13C0500N          Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.500
   Invert(ft): 9.270          9.110                         Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0401D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                       Invert(ft): 11.610
              Rise(in): 999.00                Control Elev(ft): 11.610


-----------------------------------------------------------------------------------------------
         Name: 13F0600D            From Node: 13F0700N          Length(ft): 50.00
        Group: 13F                   To Node: 13F0400P               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
```

```
   Invert(ft): 47.770         46.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall



*** Weir 1 of 2 for Drop Structure 13F0600D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 24.00                       Invert(ft): 49.910
               Rise(in): 9.24                   Control Elev(ft): 49.910

*** Weir 2 of 2 for Drop Structure 13F0600D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 24.00                       Invert(ft): 49.910
               Rise(in): 9.24                   Control Elev(ft): 49.910


-------------------------------------------------------------------------------------------------
         Name: 13F1200D            From Node: 13F1300P           Length(ft): 47.00
        Group: 13F                   To Node: 13F1000P                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                 Flow: Both
     Rise(in): 18.00          18.00                      Entrance Loss Coef: 0.200
   Invert(ft): 51.250         51.020                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13F1200D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 36.00                       Invert(ft): 54.870
               Rise(in): 24.00                  Control Elev(ft): 54.870


-------------------------------------------------------------------------------------------------
         Name: 13H0120D            From Node: 13H0150P           Length(ft): 247.00
        Group: 13H                   To Node: HODGE                   Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.200
   Invert(ft): 52.950         52.190                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope
```

```
*** Weir 1 of 2 for Drop Structure 13H0120D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 10.00                       Invert(ft): 53.990
              Rise(in): 10.00                  Control Elev(ft): 53.990

*** Weir 2 of 2 for Drop Structure 13H0120D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 57.800
              Rise(in): 36.00                  Control Elev(ft): 57.800


-----------------------------------------------------------------------------------------------
         Name: 13H0320D            From Node: 13H0350P           Length(ft): 100.00
        Group: 13H                   To Node: IRENE-N                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 53.700         52.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13H0320D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 10.00                       Invert(ft): 54.520
              Rise(in): 10.00                  Control Elev(ft): 54.520

*** Weir 2 of 2 for Drop Structure 13H0320D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 57.510
              Rise(in): 36.00                  Control Elev(ft): 57.510


-----------------------------------------------------------------------------------------------
         Name: 13I0605D            From Node: 13I0610P           Length(ft): 175.00
        Group: 13I                   To Node: FAIRY                   Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.200
   Invert(ft): 52.450         51.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope
```

```
*** Weir 1 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Circular              Orifice Disc Coef: 0.600

             Span(in): 4.00                        Invert(ft): 52.950
             Rise(in): 4.00                  Control Elev(ft): 52.950

*** Weir 2 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 12.00                       Invert(ft): 54.550
             Rise(in): 40.80                 Control Elev(ft): 54.550

*** Weir 3 of 3 for Drop Structure 13I0605D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.600
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                       Invert(ft): 58.450
             Rise(in): 37.00                 Control Elev(ft): 58.450


-----------------------------------------------------------------------------------------------------
         Name: 13I1400D            From Node: 13I1500P           Length(ft): 112.00
        Group: 13I                   To Node: EVERGRN                 Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                      Entrance Loss Coef: 0.200
   Invert(ft): 54.450         53.950                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                            Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 2 for Drop Structure 13I1400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 144.00                      Invert(ft): 59.980
             Rise(in): 60.00                 Control Elev(ft): 59.980

*** Weir 2 of 2 for Drop Structure 13I1400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Circular              Orifice Disc Coef: 0.600

             Span(in): 6.00                        Invert(ft): 57.950
             Rise(in): 6.00                  Control Elev(ft): 57.950


-----------------------------------------------------------------------------------------------------
         Name: 13J2221D            From Node: 13J2221P           Length(ft): 138.00
        Group: 13J                   To Node: 13J2220P                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.200
   Invert(ft): 82.950         81.950                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000         0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13J2221D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 86.950
              Rise(in): 42.00                  Control Elev(ft): 86.950


-----------------------------------------------------------------------------------------------
         Name: 13J2222D            From Node: 13J2222P           Length(ft): 125.00
        Group: 13J                   To Node: 13J2221P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                  Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.200
   Invert(ft): 83.450         82.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13J2222D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 87.950
              Rise(in): 42.00                  Control Elev(ft): 87.950


-----------------------------------------------------------------------------------------------
         Name: 13J2233D            From Node: 13J2233P           Length(ft): 9.00
        Group: 13J                   To Node: 13J2232N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.200
   Invert(ft): 76.950         76.750                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13J2233D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 80.950
              Rise(in): 42.00                  Control Elev(ft): 80.950
```

```
-----------------------------------------------------------------------------------------------
         Name: 13K1125D            From Node: 13K1150P           Length(ft): 27.00
        Group: 13K                   To Node: 13K1100N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 14.00          14.00                      Entrance Loss Coef: 0.500
   Invert(ft): 59.150         59.200                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 2 for Drop Structure 13K1125D ***
                                                                                      TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 28.80                        Invert(ft): 61.030
              Rise(in): 11.28                  Control Elev(ft): 61.030

*** Weir 2 of 2 for Drop Structure 13K1125D ***
                                                                                      TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                        Invert(ft): 61.970
              Rise(in): 24.00                  Control Elev(ft): 61.970


-----------------------------------------------------------------------------------------------
         Name: 13K1800D            From Node: GRIFFIN            Length(ft): 215.00
        Group: 13K                   To Node: 13K1750N                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                      Entrance Loss Coef: 0.500
   Invert(ft): 72.750         71.820                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure 13K1800D ***
                                                                                      TABLE
                 Count: 1                       Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis            Top Clip(ft): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
              Geometry: Trapezoidal           Orifice Disc Coef: 0.600

       Bottom Width(ft): 8.70                        Invert(ft): 74.720
       Left Sd Slp(h/v): 1.78                  Control Elev(ft): 74.720
      Right Sd Slp(h/v): 1.72             Struct Opening Dim(ft): 999.00


-----------------------------------------------------------------------------------------------
         Name: 13L1800D            From Node: 13L1825N           Length(ft): 62.00
        Group: 13L                   To Node: QUEENS                  Count: 3

              UPSTREAM       DOWNSTREAM                  Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                  Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 50.620         50.450                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L1800D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 312.00                       Invert(ft): 52.390
               Rise(in): 999.00                 Control Elev(ft): 52.390


-----------------------------------------------------------------------------------------------
         Name: 13L1890D            From Node: POND7              Length(ft): 115.00
        Group: 13L                   To Node: 13L1825N                Count: 2

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                  Flow: Both
     Rise(in): 36.00          36.00                      Entrance Loss Coef: 0.500
   Invert(ft): 49.000         48.500                         Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                            Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L1890D ***
                                                                                    TABLE
                  Count: 2                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 49.00                        Invert(ft): 53.000
               Rise(in): 37.00                  Control Elev(ft): 53.000

*** Weir 2 of 2 for Drop Structure 13L1890D ***
                                                                                    TABLE
                  Count: 2                      Bottom Clip(in): 0.000
                   Type: Vertical: Fread           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 49.00                        Invert(ft): 52.500
               Rise(in): 6.00                   Control Elev(ft): 52.500


-----------------------------------------------------------------------------------------------
         Name: 13L1900D            From Node: 13L1950P           Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P                Count: 3

               UPSTREAM       DOWNSTREAM                  Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                  Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 52.980         52.530                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                            Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall
```

```
*** Weir 1 of 1 for Drop Structure 13L1900D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13L-W190              Control Elev(ft): 54.500
             Invert(ft): 54.500           Struct Opening Dim(ft): 999.00


-----------------------------------------------------------------------------------------------
         Name: 13L2200D            From Node: 13L2300P           Length(ft): 146.00
        Group: 13L                   To Node: 13L2150N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                Flow: Both
     Rise(in): 54.00          54.00                   Entrance Loss Coef: 0.500
   Invert(ft): 56.230         56.250                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 27.60                       Invert(ft): 63.870
              Rise(in): 19.68                  Control Elev(ft): 63.870

*** Weir 2 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 79.20                       Invert(ft): 63.840
              Rise(in): 20.04                  Control Elev(ft): 63.840

*** Weir 3 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 43.20                       Invert(ft): 62.440
              Rise(in): 36.84                  Control Elev(ft): 62.440

*** Weir 4 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 22.80                       Invert(ft): 63.940
              Rise(in): 18.84                  Control Elev(ft): 63.940

*** Weir 5 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 22.80                       Invert(ft): 63.940
              Rise(in): 18.84                  Control Elev(ft): 63.940


-----------------------------------------------------------------------------------------------
         Name: 13L2450D            From Node: OXFORD             Length(ft): 120.00
```

```
        Group: 13L                  To Node: 13L2400N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                 Flow: Both
     Rise(in): 54.00          54.00                   Entrance Loss Coef: 0.500
   Invert(ft): 63.450         62.950                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L2450D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 68.450
              Rise(in): 18.00                  Control Elev(ft): 68.450

*** Weir 2 of 2 for Drop Structure 13L2450D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 52.00                       Invert(ft): 69.950
              Rise(in): 36.00                  Control Elev(ft): 69.950


-----------------------------------------------------------------------------------------------
         Name: 13L2530D            From Node: 13L2540P           Length(ft): 50.00
        Group: 13L                   To Node: OXFORD                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.500
   Invert(ft): 68.950         68.950                      Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall



*** Weir 1 of 2 for Drop Structure 13L2530D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 12.00                       Invert(ft): 71.450
              Rise(in): 60.00                  Control Elev(ft): 71.450

*** Weir 2 of 2 for Drop Structure 13L2530D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 73.950
              Rise(in): 24.00                  Control Elev(ft): 73.950


-----------------------------------------------------------------------------------------------
         Name: 13L2550D            From Node: 13L2560P           Length(ft): 580.00
        Group: 13L                   To Node: OXFORD                 Count: 1
```

```
              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                                 Flow: Both
     Rise(in): 60.00          60.00                    Entrance Loss Coef: 0.500
   Invert(ft): 78.950         76.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L2550D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 4.00                        Invert(ft): 83.950
              Rise(in): 18.00                  Control Elev(ft): 83.950

*** Weir 2 of 2 for Drop Structure 13L2550D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 85.450
              Rise(in): 24.00                  Control Elev(ft): 85.450


-------------------------------------------------------------------------------------------------
         Name: 13L2710D            From Node: 13L2720P           Length(ft): 340.00
        Group: 13L                   To Node: 13L2700N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 12.00          12.00                                 Flow: Both
     Rise(in): 12.00          12.00                    Entrance Loss Coef: 0.500
   Invert(ft): 70.950         68.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 1 for Drop Structure 13L2710D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 168.00                      Invert(ft): 72.550
              Rise(in): 999.00                 Control Elev(ft): 72.550


-------------------------------------------------------------------------------------------------
         Name: 13L3200D            From Node: 13P1800P           Length(ft): 460.00
        Group: 13L                   To Node: 13L3100N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse             Solution Algorithm: Most Restrictive
     Span(in): 68.00          68.00                                 Flow: Both
     Rise(in): 43.00          43.00                    Entrance Loss Coef: 0.200
   Invert(ft): 74.820         73.620                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
```

Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

*** Weir 1 of 1 for Drop Structure 13L3200D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Vertical: Mavis           Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 108.00                      Invert(ft): 76.600
Rise(in): 999.00                 Control Elev(ft): 76.600
```

```
         Name: 13M0200D            From Node: 13M0300N          Length(ft): 168.00
        Group: 13M                   To Node: 13L0400N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                                 Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.500
   Invert(ft): 48.580         48.500                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

*** Weir 1 of 1 for Drop Structure 13M0200D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Vertical: Mavis           Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 63.60                       Invert(ft): 50.750
Rise(in): 21.96                  Control Elev(ft): 50.750
```

```
         Name: 13M0980D            From Node: 13M0990P          Length(ft): 23.00
        Group: 13M                   To Node: 13M0970N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 52.370         51.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

*** Weir 1 of 1 for Drop Structure 13M0980D ***

TABLE

```
   Count: 1                      Bottom Clip(in): 0.000
    Type: Horizontal                Top Clip(in): 0.000
    Flow: Both                    Weir Disc Coef: 3.000
Geometry: Rectangular           Orifice Disc Coef: 0.600

Span(in): 37.00                       Invert(ft): 57.640
Rise(in): 24.00                  Control Elev(ft): 57.640
```

```
         Name: 13M1510D            From Node: 13M1520P          Length(ft): 50.00
        Group: 13M                   To Node: 13M1500N               Count: 1
```

```
              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                    Entrance Loss Coef: 0.500
   Invert(ft): 55.450         55.400                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 2 for Drop Structure 13M1510D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 12.00                       Invert(ft): 59.950
              Rise(in): 6.00                  Control Elev(ft): 59.950

*** Weir 2 of 2 for Drop Structure 13M1510D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                       Invert(ft): 60.950
              Rise(in): 24.00                 Control Elev(ft): 60.950


-----------------------------------------------------------------------------------------------
         Name: 13M1900D            From Node: 13M1925P           Length(ft): 80.00
        Group: 13M                   To Node: CONCORD                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                    Entrance Loss Coef: 0.500
   Invert(ft): 59.950         59.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 2 for Drop Structure 13M1900D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 60.950
              Rise(in): 12.00                 Control Elev(ft): 60.950

*** Weir 2 of 2 for Drop Structure 13M1900D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                       Invert(ft): 63.950
              Rise(in): 24.00                 Control Elev(ft): 63.950


-----------------------------------------------------------------------------------------------
         Name: 13M2330D            From Node: 13M2330P           Length(ft): 237.00
        Group: 13M                   To Node: 13M2333N                 Count: 1
```

```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                               Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.500
   Invert(ft): 63.440         62.920                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
Outfall structure S-33 to S-36
Assumed Type C Inlet

*** Weir 1 of 2 for Drop Structure 13M2330D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 37.00                       Invert(ft): 66.410
               Rise(in): 24.00                  Control Elev(ft): 66.410

*** Weir 2 of 2 for Drop Structure 13M2330D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Circular              Orifice Disc Coef: 0.600

               Span(in): 4.00                        Invert(ft): 65.250
               Rise(in): 4.00                   Control Elev(ft): 65.250


-------------------------------------------------------------------------------------------------
         Name: 13M2360D           From Node: QUAIL              Length(ft): 326.00
        Group: 13M                  To Node: CONCORD                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 8.00           8.00                                Flow: Both
     Rise(in): 8.00           8.00                     Entrance Loss Coef: 0.500
   Invert(ft): 61.590         56.110                       Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

added
8" PVCfield verified by BRW/CLR on 12/7/15 - see field notes
dimensions of TOG and weir from field
length and inverts from infrastrucuture
City of Casselberry Infrastructure (Assume NGVD 29)
 assumed d/s is MES

*** Weir 1 of 2 for Drop Structure 13M2360D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 37.00                       Invert(ft): 65.610
               Rise(in): 24.00                  Control Elev(ft): 65.610

*** Weir 2 of 2 for Drop Structure 13M2360D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Circular              Orifice Disc Coef: 0.600

               Span(in): 8.00                        Invert(ft): 61.940
```

```
              Rise(in): 8.00                  Control Elev(ft): 61.940


-----------------------------------------------------------------------------------------------
         Name: 13N0100D           From Node: 13N0100P          Length(ft): 73.00
        Group: 13N                  To Node: 13N0150N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 50.450         50.960                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure D110 to D110A
GCS_1048_SD (Assumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated



*** Weir 1 of 2 for Drop Structure 13N0100D ***
                                                                                        TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 52.040
              Rise(in): 3.00                  Control Elev(ft): 52.040

*** Weir 2 of 2 for Drop Structure 13N0100D ***
                                                                                        TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 40.00                       Invert(ft): 53.270
              Rise(in): 26.00                 Control Elev(ft): 53.270


-----------------------------------------------------------------------------------------------
         Name: 13N0200D           From Node: 13N0200P          Length(ft): 49.00
        Group: 13N                  To Node: 13N0250N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 50.960         50.990                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

D114 to D115
GCS_1048_SD (Assaumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated


*** Weir 1 of 2 for Drop Structure 13N0200D ***
                                                                                        TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 54.880
              Rise(in): 28.00                 Control Elev(ft): 54.880
```

```
*** Weir 2 of 2 for Drop Structure 13N0200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 54.010
              Rise(in): 3.00                  Control Elev(ft): 54.010


-----------------------------------------------------------------------------------------------
         Name: 13N0301D            From Node: 13N0301P           Length(ft): 750.00
        Group: 13N                   To Node: 13N0200P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 53.100         51.790                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D100
Assumed Type D Inlet

*** Weir 1 of 1 for Drop Structure 13N0301D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 57.990
              Rise(in): 37.00                 Control Elev(ft): 57.990


-----------------------------------------------------------------------------------------------
         Name: 13N0750D            From Node: 13N0750P           Length(ft): 500.00
        Group: 13N                   To Node: 13N0700P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 52.430         53.630                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
From field recon by BRW/CLR on 12/7/15 - see field notes
length of pipe estimated from aerials
d/s outfall location/invert/type assumed
TOG about ground level - u/s pipe invert measured from TOG in field

*** Weir 1 of 1 for Drop Structure 13N0750D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 79.00                       Invert(ft): 55.180
              Rise(in): 36.00                 Control Elev(ft): 55.180


-----------------------------------------------------------------------------------------------
         Name: 13P2300D            From Node: 13P2300P           Length(ft): 1010.00
        Group: 13P                   To Node: 13P2350N                Count: 1
```

```
              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                Flow: Both
     Rise(in): 24.00          24.00                   Entrance Loss Coef: 0.500
   Invert(ft): 84.600         83.600                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
DS-2 to S-100: See sheets 100, 99,103, 58
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

*** Weir 1 of 2 for Drop Structure 13P2300D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 88.470
              Rise(in): 36.00                  Control Elev(ft): 88.470

*** Weir 2 of 2 for Drop Structure 13P2300D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 87.800
              Rise(in): 6.00                   Control Elev(ft): 87.800


-----------------------------------------------------------------------------------------------
         Name: 13P3400D            From Node: 13P3400P           Length(ft): 502.00
        Group: 13P                   To Node: 13P3450N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                Flow: Both
     Rise(in): 30.00          30.00                   Entrance Loss Coef: 0.500
   Invert(ft): 88.250         85.950                      Exit Loss Coef: 0.000
  Manning's N: 0.012000       0.012000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Lowe's Primary Outfall (S-38)

*** Weir 1 of 2 for Drop Structure 13P3400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 91.300
              Rise(in): 37.00                  Control Elev(ft): 91.300

*** Weir 2 of 2 for Drop Structure 13P3400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 4.50                        Invert(ft): 88.250
              Rise(in): 4.50                   Control Elev(ft): 88.750


-----------------------------------------------------------------------------------------------
```

```
         Name: 13Q0810D            From Node: 13Q0820P          Length(ft): 84.00
        Group: 13Q                   To Node: 13Q0821N               Count: 2

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                    Entrance Loss Coef: 0.500
   Invert(ft): 84.160         83.900                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Structures S-125/S-125A
GCS_1046_SD
GCS_1049_CD (outfall dimensions - Sheet 75)
US/DS Inverts from Casselberry City Infrstructure (Assumed NAVD 88)
Type D Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                  Count: 2                      Bottom Clip(ft): 0.000
                   Type: Vertical: Mavis           Top Clip(ft): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13Q-W081               Control Elev(ft): 86.480
             Invert(ft): 86.480           Struct Opening Dim(ft): 999.00

*** Weir 2 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 49.00                       Invert(ft): 87.680
               Rise(in): 37.00                  Control Elev(ft): 87.680


-------------------------------------------------------------------------------------------------
         Name: 13Q0820D            From Node: 13Q0820P          Length(ft): 76.00
        Group: 13Q                   To Node: 13Q0821N               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 19.00          19.00                    Entrance Loss Coef: 0.500
   Invert(ft): 84.670         84.410                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure S-123
GCS_1046_SD
GCS_1049_CP (for outfall dimensions)
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)
Type E Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 54.00                       Invert(ft): 87.700
               Rise(in): 36.00                  Control Elev(ft): 87.700

*** Weir 2 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
```

```
              Geometry: Circular             Orifice Disc Coef: 0.600

              Span(in): 8.00                       Invert(ft): 85.300
              Rise(in): 8.00                  Control Elev(ft): 85.800


-------------------------------------------------------------------------------------------
         Name: 13Q0850D            From Node: 13Q0860P           Length(ft): 46.00
        Group: 13Q                   To Node: 13Q0861N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 86.230         86.140                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Changed To Node from 13Q0840P to 13Q0861N
Updated to match Casselberry City Infrstructure



*** Weir 1 of 1 for Drop Structure 13Q0850D ***
                                                                                   TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                      Invert(ft): 87.780
              Rise(in): 40.00                 Control Elev(ft): 87.780


-------------------------------------------------------------------------------------------
         Name: 13Q0870D            From Node: 13Q0870P           Length(ft): 80.00
        Group: 13Q                   To Node: 13Q0875N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                Flow: Both
     Rise(in): 18.00          18.00                     Entrance Loss Coef: 0.500
   Invert(ft): 82.450         85.000                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Field Recon by BRW/CLR on 12/7/15 - see field notes
estimated length from aerials
estimated weir inverts measuring to TOG (elevation at ground level)
assumed an u/s invert based on weir slot elevation
estimated d/s invert from other inverts at MH

*** Weir 1 of 2 for Drop Structure 13Q0870D ***
                                                                                   TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                      Invert(ft): 87.840
              Rise(in): 36.00                 Control Elev(ft): 87.840

*** Weir 2 of 2 for Drop Structure 13Q0870D ***
                                                                                   TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600
```

```
              Span(in): 20.00                      Invert(ft): 86.170
              Rise(in): 20.00                 Control Elev(ft): 86.170


-----------------------------------------------------------------------------------------------
         Name: 13Q2291D           From Node: 13Q2291N          Length(ft): 450.00
        Group: 13Q                  To Node: 13Q2292N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                Flow: Both
     Rise(in): 15.00          15.00                   Entrance Loss Coef: 0.500
   Invert(ft): 78.370         76.970                      Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Control Structure Basin 1

*** Weir 1 of 2 for Drop Structure 13Q2291D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13Q2291X               Control Elev(ft): 81.250
             Invert(ft): 81.250           Struct Opening Dim(ft): 9999.00

*** Weir 2 of 2 for Drop Structure 13Q2291D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                       Invert(ft): 77.450
              Rise(in): 3.00                  Control Elev(ft): 77.950


-----------------------------------------------------------------------------------------------
         Name: POND2D             From Node: POND2             Length(ft): 160.00
        Group: 13L                  To Node: TRIPLT-M               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                   Entrance Loss Coef: 0.000
   Invert(ft): 47.000         46.000                      Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 2 for Drop Structure POND2D ***
                                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                      Invert(ft): 52.000
              Rise(in): 37.00                 Control Elev(ft): 52.000

*** Weir 2 of 2 for Drop Structure POND2D ***
                                                                                      TABLE
                 Count: 2                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
```

```
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 49.00                      Invert(ft): 51.500
               Rise(in): 6.00                  Control Elev(ft): 51.500


-----------------------------------------------------------------------------------------------
         Name: POND5D              From Node: POND5              Length(ft): 800.00
        Group: 13N                   To Node: 13N0601N                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                 Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.000
   Invert(ft): 57.000         55.000                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure POND5D ***
                                                                                   TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 49.00                      Invert(ft): 61.500
               Rise(in): 37.00                 Control Elev(ft): 61.500

*** Weir 2 of 2 for Drop Structure POND5D ***
                                                                                   TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Fread            Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 49.00                      Invert(ft): 61.000
               Rise(in): 6.00                  Control Elev(ft): 61.000


=================================================================================
==== Weirs ======================================================================
=================================================================================

         Name: 12-0102X            From Node: 12-01-02
        Group: 12                    To Node: 13C0600N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Parabolic

               Top Width(ft): 300.00
            Corres Depth(ft): 0.90
                Invert(ft): 18.850
       Control Elevation(ft): 18.850
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600

MAINTENANCE/ACCESS ROAD

-----------------------------------------------------------------------------------------------
         Name: 13A0400B            From Node: 13A0500N
        Group: 13A                   To Node: 13A0300N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-B04X
                Invert(ft): 4.650
       Control Elevation(ft): 4.650
      Struct Opening Dim(ft): 14.58
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13A0730W           From Node: 13A0735P
       Group: 13A                  To Node: 13A0800N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 999.00
                 Invert(ft): 24.250
      Control Elevation(ft): 24.250
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A0810W           From Node: 13A0820P
       Group: 13A                  To Node: 13A0800N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 21.950
      Control Elevation(ft): 21.950
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A2000B           From Node: 13A2100N
       Group: 13A                  To Node: 13A1900N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A-B20X
                 Invert(ft): 19.850
      Control Elevation(ft): 19.850
     Struct Opening Dim(ft): 5.58
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A2325B           From Node: 13A2350N
       Group: 13A                  To Node: 13A2300N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A-B23X
                 Invert(ft): 20.550
      Control Elevation(ft): 20.550
     Struct Opening Dim(ft): 10.30
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A2500B           From Node: 13A2600N
       Group: 13A                  To Node: 13A2400N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A-B25X
                 Invert(ft): 22.750
      Control Elevation(ft): 22.750
     Struct Opening Dim(ft): 8.24
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3310W           From Node: 13A3320P
        Group: 13A                  To Node: 13A3300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 960.00
                   Rise(in): 999.00
                 Invert(ft): 41.950
       Control Elevation(ft): 41.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3410W           From Node: 13A3420P
        Group: 13A                  To Node: 13A3400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 720.00
                   Rise(in): 999.00
                 Invert(ft): 48.750
       Control Elevation(ft): 48.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3430W           From Node: 13A3440P
        Group: 13A                  To Node: 13A3420P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13A-W343
                 Invert(ft): 50.450
       Control Elevation(ft): 50.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3905W           From Node: 13A3910P
        Group: 13A                  To Node: 13A3900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13A-W390
                 Invert(ft): 39.150
       Control Elevation(ft): 39.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3915W           From Node: 13A3920P
        Group: 13A                  To Node: 13A3900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                  Span(in): 4800.00
                  Rise(in): 999.00
              Invert(ft): 40.950
      Control Elevation(ft): 40.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A4110W           From Node: 13A4120P
       Group: 13A                  To Node: 13A4100N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 600.00
                  Rise(in): 999.00
              Invert(ft): 40.950
      Control Elevation(ft): 40.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A4500W           From Node: 13A4600N
       Group: 13A                  To Node: 13A4400N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13A4500X
              Invert(ft): 40.550
      Control Elevation(ft): 40.550
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A4900B           From Node: 13A5000N
       Group: 13A                  To Node: 13A4800N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13A-B49X
              Invert(ft): 41.850
      Control Elevation(ft): 41.850
     Struct Opening Dim(ft): 6.71
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13A5310W           From Node: 13A5320P
       Group: 13A                  To Node: 13A5300N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 1200.00
                  Rise(in): 999.00
              Invert(ft): 51.650
      Control Elevation(ft): 51.650
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
        Name: 13A5700B           From Node: 13A5800N
       Group: 13A                  To Node: 13A5600N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13A-B57X
                Invert(ft): 47.230
     Control Elevation(ft): 47.230
    Struct Opening Dim(ft): 3.98
                                           TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13A5900W           From Node: 13A6000P
       Group: 13A                  To Node: 13A5800N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13A-W590
                Invert(ft): 48.640
     Control Elevation(ft): 48.640
    Struct Opening Dim(ft): 999.00
                                           TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 3.000
    Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13A5910W           From Node: 13A6000P
       Group: 13A                  To Node: 13A5500N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 180.00
                   Rise(in): 999.00
                Invert(ft): 52.450
     Control Elevation(ft): 52.450
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
       Weir Discharge Coef: 2.400
    Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13B0200W           From Node: 13B0200N
       Group: 13B                  To Node: 13A0300N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13B0200X
                Invert(ft): 13.950
     Control Elevation(ft): 13.950
    Struct Opening Dim(ft): 999.00
                                           TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13C1350W_1         From Node: 13C1350N
       Group: 13C                  To Node: 13C1300N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                Invert(ft): 27.550
     Control Elevation(ft): 27.550
                                           TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
```

```
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_2          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                              TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_3          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                              TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_4          From Node: 13C1350N
        Group: 13C                   To Node: 13C1300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                              TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2300W            From Node: 13C2400P
        Group: 13C                   To Node: 13C2200P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 15.50
                    Rise(in): 15.50
                  Invert(ft): 30.980
       Control Elevation(ft): 30.980
                                              TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2301W            From Node: 13C2400P
        Group: 13C                   To Node: 13C2200P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                          XSec: 13C-W230
                  Invert(ft): 35.480
```

```
       Control Elevation(ft): 35.480
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: 13D0150W           From Node: 13D0150N
        Group: 13D                  To Node: 13A2750N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 4800.00
                    Rise(in): 999.00
                  Invert(ft): 33.550
       Control Elevation(ft): 33.550
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: 13D0160W           From Node: 13D0170P
        Group: 13D                  To Node: 13D0150N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 69.60
                    Rise(in): 999.00
                  Invert(ft): 30.960
       Control Elevation(ft): 30.960
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: 13F0405W_1         From Node: 13F0410P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13F-W041
                  Invert(ft): 47.950
       Control Elevation(ft): 47.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: 13F0405W_2         From Node: 13F0410P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13F-W041
                  Invert(ft): 47.950
       Control Elevation(ft): 47.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-------------------------------------------------------------------------------------------------
         Name: 13F0435W           From Node: 13F0440P
        Group: 13F                  To Node: 13F0400P
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13F-W044
                  Invert(ft): 47.950
       Control Elevation(ft): 47.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F0445W            From Node: 13F0450P
        Group: 13F                   To Node: 13F0400P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 720.00
                    Rise(in): 999.00
                  Invert(ft): 50.950
       Control Elevation(ft): 50.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F1200W            From Node: 13F1300P
        Group: 13F                   To Node: 13F1000P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 2856.00
                    Rise(in): 999.00
                  Invert(ft): 55.150
       Control Elevation(ft): 55.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F1374W            From Node: 13F1374P
        Group: 13F                   To Node: 13F1378P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 64.950
       Control Elevation(ft): 64.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13G0550W            From Node: 13G0500N
        Group: 13G                   To Node: 13G1200P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13G0550X
                  Invert(ft): 48.150
       Control Elevation(ft): 48.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13G1000W            From Node: 13G1200P
        Group: 13G                   To Node: 13A5200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13G1000X
                  Invert(ft): 45.850
      Control Elevation(ft): 45.850
     Struct Opening Dim(ft): 999.00
                                               TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13G2200W            From Node: 13G1200P
        Group: 13G                   To Node: 13G2100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13G2200X
                  Invert(ft): 46.850
      Control Elevation(ft): 46.850
     Struct Opening Dim(ft): 999.00
                                               TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13H0100W            From Node: HODGE
        Group: 13H                   To Node: 13A5500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13H0100X
                  Invert(ft): 53.050
      Control Elevation(ft): 53.050
     Struct Opening Dim(ft): 999.00
                                               TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13H0200W            From Node: IRENE-S
        Group: 13H                   To Node: HODGE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13H0200X
                  Invert(ft): 64.850
      Control Elevation(ft): 64.850
     Struct Opening Dim(ft): 999.00
                                               TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13I0630W            From Node: LWILDMER
        Group: 13I                   To Node: WILDMERE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 120.00
            Corres Depth(ft): 0.90
                  Invert(ft): 63.050
      Control Elevation(ft): 63.050
     Struct Opening Dim(ft): 999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13I1210W           From Node: JANE
        Group: 13I                  To Node: WILDMERE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 660.00
                   Rise(in): 999.00
                 Invert(ft): 66.050
       Control Elevation(ft): 66.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13I1250W           From Node: EVERGRN
        Group: 13I                  To Node: WILDMERE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13I1250X
                 Invert(ft): 57.050
       Control Elevation(ft): 57.050
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13I1512W           From Node: 13I1512N
        Group: 13I                  To Node: 13I1510N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 66.050
       Control Elevation(ft): 66.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13I1514W           From Node: 13I1514P
        Group: 13I                  To Node: 13I1506N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 65.950
       Control Elevation(ft): 65.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J0315W           From Node: 13J0320N
        Group: 13J                  To Node: 13J0300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Horz Ellipse
```

```
                  Span(in): 72.00
                  Rise(in): 47.00
              Invert(ft): 59.150
      Control Elevation(ft): 59.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J0316W            From Node: 13J0320N
       Group: 13J                   To Node: 13J0300N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 13.00
      Left Side Slope(h/v): 7.50
     Right Side Slope(h/v): 7.50
              Invert(ft): 64.550
      Control Elevation(ft): 64.550
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J0700W            From Node: 13J0700N
       Group: 13J                   To Node: 13J0640N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 600.00
                  Rise(in): 999.00
              Invert(ft): 76.050
      Control Elevation(ft): 76.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J1805W            From Node: 13J1800N
       Group: 13J                   To Node: JANE
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

             Top Width(ft): 100.00
          Corres Depth(ft): 1.80
              Invert(ft): 77.150
      Control Elevation(ft): 77.150
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J1810W            From Node: 13J1820P
       Group: 13J                   To Node: 13J1800N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 3240.00
                  Rise(in): 999.00
              Invert(ft): 82.050
      Control Elevation(ft): 82.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13J2221W           From Node: 13J2221P
       Group: 13J                  To Node: 13J2220P
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                   Span(in): 2640.00
                   Rise(in): 999.00
                 Invert(ft): 87.450
      Control Elevation(ft): 87.450
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2222W           From Node: 13J2222P
       Group: 13J                  To Node: 13J2221P
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Trapezoidal

           Bottom Width(ft): 65.00
      Left Side Slope(h/v): 173.33
     Right Side Slope(h/v): 16.00
                 Invert(ft): 89.200
      Control Elevation(ft): 89.200
     Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2232W           From Node: 13J2232N
       Group: 13J                  To Node: 13J2200P
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                   Span(in): 144.00
                   Rise(in): 6.00
                 Invert(ft): 81.450
      Control Elevation(ft): 81.450
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2233W           From Node: 13J2233P
       Group: 13J                  To Node: 13J2232N
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 81.850
      Control Elevation(ft): 81.850
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13J2234W           From Node: 13J2234P
       Group: 13J                  To Node: 13J2233P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis     Geometry: Rectangular

                   Span(in): 72.00
                   Rise(in): 999.00
```

```
                 Invert(ft): 82.450
       Control Elevation(ft): 82.450
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0830W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0820N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 6.50
                    Rise(in): 12.60
                 Invert(ft): 61.580
       Control Elevation(ft): 61.580
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0831W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0820N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 36.00
                    Rise(in): 54.00
                 Invert(ft): 62.630
       Control Elevation(ft): 62.630
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0870W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0860N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 6.50
                    Rise(in): 12.60
                 Invert(ft): 61.070
       Control Elevation(ft): 61.070
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K0871W           From Node: 13K0900P
        Group: 13K                  To Node: 13K0860N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 36.00
                    Rise(in): 54.00
                 Invert(ft): 62.120
       Control Elevation(ft): 62.120
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13K1175W           From Node: 13K1300N
        Group: 13K                  To Node: 13K1150P
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 62.450
       Control Elevation(ft): 62.450
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1700W            From Node: 13K1750N
        Group: 13K                   To Node: 13K1600N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13K-W170
                 Invert(ft): 72.000
       Control Elevation(ft): 72.000
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1710W            From Node: 13K1750N
        Group: 13K                   To Node: 13K1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 75.510
       Control Elevation(ft): 75.510
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K2220W            From Node: 13K2240P
        Group: 13K                   To Node: TROUT
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 999.00
                 Invert(ft): 79.950
       Control Elevation(ft): 79.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3000W            From Node: 13K3050P
        Group: 13K                   To Node: GRIFFIN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13K_SJ30
                 Invert(ft): 77.900
       Control Elevation(ft): 77.900
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13K3100W            From Node: 13K3200P
        Group: 13K                   To Node: 13K3050P
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 84.00
                   Rise(in): 28.80
                 Invert(ft): 79.550
       Control Elevation(ft): 79.550
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13K3101W            From Node: 13K3200P
        Group: 13K                   To Node: 13K3050P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 2400.00
                   Rise(in): 999.00
                 Invert(ft): 81.950
       Control Elevation(ft): 81.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13K4000W            From Node: 13K4050P
        Group: 13K                   To Node: GRIFFIN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13K_SJ40
                 Invert(ft): 78.150
       Control Elevation(ft): 78.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13K4025W            From Node: 13K4050P
        Group: 13K                   To Node: 13K3050P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13K_SJ35
                 Invert(ft): 77.950
       Control Elevation(ft): 77.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------------
         Name: 13K4325W            From Node: 13K4400P
        Group: 13K                   To Node: 13K4200P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
        Left Side Slope(h/v): 62.50
       Right Side Slope(h/v): 100.00
                 Invert(ft): 82.150
       Control Elevation(ft): 82.150
```

```
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L0031W            From Node: 13L0020N
        Group: 13L                   To Node: 13L0040P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 480.00
                    Rise(in): 999.00
                  Invert(ft): 53.950
       Control Elevation(ft): 53.950
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L0810W            From Node: 13L0820P
        Group: 13L                   To Node: TRIPLT-N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L-W082
                  Invert(ft): 50.750
       Control Elevation(ft): 50.750
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revision of xsec to match terrain
Revised type from Vertical: Mavis Equation


-----------------------------------------------------------------------------------------------
         Name: 13L0900B            From Node: TRIPLT-M
        Group: 13L                   To Node: TRIPLT-N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13L-B09X
                  Invert(ft): 48.350
       Control Elevation(ft): 48.350
      Struct Opening Dim(ft): 8.72
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1200W            From Node: TRIPLT-S
        Group: 13L                   To Node: TRIPLT-M
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 52.200
       Control Elevation(ft): 52.200
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revision
Added - overtopping weir for paved golf cart path

-----------------------------------------------------------------------------------------------
```

```
         Name: 13L1202W           From Node: 13L1202N
        Group: GEE                  To Node: 13L1203N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1202XW
                  Invert(ft): 59.960
       Control Elevation(ft): 59.960
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

DEM


---------------------------------------------------------------------------------------------------
         Name: 13L1500B           From Node: 13L1600N
        Group: 13L                  To Node: 13L1400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B15X
                  Invert(ft): 49.250
       Control Elevation(ft): 49.250
      Struct Opening Dim(ft): 6.23
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
         Name: 13L1850B           From Node: 13L1875P
        Group: 13L                  To Node: 13L1825N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B18X
                  Invert(ft): 50.750
       Control Elevation(ft): 50.750
      Struct Opening Dim(ft): 4.50
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


---------------------------------------------------------------------------------------------------
         Name: 13L1890W_1         From Node: POND7
        Group: 13L                  To Node: QUEENS
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1890XW1
                  Invert(ft): 56.560
       Control Elevation(ft): 56.560
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

---------------------------------------------------------------------------------------------------
         Name: 13L1890W_2         From Node: POND7
        Group: 13L                  To Node: 13L1825N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 57.000
       Control Elevation(ft): 57.000
      Struct Opening Dim(ft): 9999.00
                                             TABLE
```

```
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
         Name: 13L1925W           From Node: 13L1950P
        Group: 13L                  To Node: 13L1895P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W192
                  Invert(ft): 54.970
       Control Elevation(ft): 54.970
      Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: 13L1945W           From Node: 13L1950P
        Group: 13L                  To Node: 13L1875P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1945X
                  Invert(ft): 58.590
       Control Elevation(ft): 58.590
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
xsec points estimated from terrain



-----------------------------------------------------------------------------------------------
         Name: 13L1960B           From Node: 13L1975P
        Group: 13L                  To Node: 13L1950P
         Flow: None                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B19X
                  Invert(ft): 52.950
       Control Elevation(ft): 52.950
      Struct Opening Dim(ft): 2.65
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1965W           From Node: 13L1975P
        Group: 13L                  To Node: 13L1950P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W196
                  Invert(ft): 55.450
       Control Elevation(ft): 55.450
      Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.620



-----------------------------------------------------------------------------------------------
         Name: 13L1975W           From Node: 13L1975P
        Group: 13L                  To Node: POND8A
```

```
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 10.00
       Left Side Slope(h/v): 4.00
      Right Side Slope(h/v): 4.00
                 Invert(ft): 56.000
      Control Elevation(ft): 56.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13L2000B            From Node: 13L2050P
        Group: 13L                   To Node: 13L1975P
         Flow: None                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13L-B20X
                 Invert(ft): 53.310
      Control Elevation(ft): 53.310
     Struct Opening Dim(ft): 2.81
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13L2050W            From Node: 13L2050P
        Group: 13L                   To Node: POND8B
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 20.00
       Left Side Slope(h/v): 4.00
      Right Side Slope(h/v): 4.00
                 Invert(ft): 56.000
      Control Elevation(ft): 56.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13L2300W            From Node: 13L2300P
        Group: 13L                   To Node: 13L2150N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L2300X
                 Invert(ft): 67.260
      Control Elevation(ft): 67.260
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2400W            From Node: 13L2400N
        Group: 13L                   To Node: 13L2300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L2400XW
                 Invert(ft): 71.830
      Control Elevation(ft): 71.830
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

-----------------------------------------------------------------------------------------------
         Name: 13L2451W            From Node: OXFORD
        Group: 13L                   To Node: 13L2400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
            Corres Depth(ft): 0.50
                  Invert(ft): 73.450
      Control Elevation(ft): 73.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2510W            From Node: 13L2520P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 48.00
                    Rise(in): 999.00
                  Invert(ft): 76.950
      Control Elevation(ft): 76.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised Type from Vertical: Mavis Equation based on aerial

-----------------------------------------------------------------------------------------------
         Name: 13L2511W            From Node: 13L2520P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 78.950
      Control Elevation(ft): 78.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2520W            From Node: 13L2520P
        Group: 13L                   To Node: 13L2400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 75.250
      Control Elevation(ft): 75.250
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2531W            From Node: 13L2540P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
```

```
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 78.950
       Control Elevation(ft): 78.950
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2560W1           From Node: 13L2560P
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 82.100
       Control Elevation(ft): 82.100
      Struct Opening Dim(ft): 9999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2560W2           From Node: 13L2560P
        Group: 13L                   To Node: 13L2540P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 260.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 85.500
       Control Elevation(ft): 85.500
      Struct Opening Dim(ft): 9999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2560W3           From Node: 13L2560P
        Group: 13L                   To Node: 13L2520P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                  Invert(ft): 87.200
       Control Elevation(ft): 87.200
      Struct Opening Dim(ft): 9999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2711W            From Node: 13L2720P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 75.950
       Control Elevation(ft): 75.950
                                            TABLE
```

```
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2750W_1          From Node: 13L2750P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 4.00
                    Rise(in): 4.00
                  Invert(ft): 73.450
       Control Elevation(ft): 73.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19

-----------------------------------------------------------------------------------------------
         Name: 13L2750W_2          From Node: 13L2750P
        Group: 13L                   To Node: 13L2700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 30.00
        Left Side Slope(h/v): 8.00
       Right Side Slope(h/v): 8.00
                  Invert(ft): 77.870
       Control Elevation(ft): 77.870
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Concrete overflow weir
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19
side slopes are estimated

-----------------------------------------------------------------------------------------------
         Name: 13L3111W            From Node: 13L3140P
        Group: 13L                   To Node: 13L3100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L-W311
                  Invert(ft): 84.060
       Control Elevation(ft): 84.060
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

updated xsec and invert


-----------------------------------------------------------------------------------------------
         Name: 13L3201W            From Node: 13P1800P
        Group: 13L                   To Node: 13L3100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 82.850
       Control Elevation(ft): 82.850
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M0985W            From Node: 13M0990P
        Group: 13M                   To Node: 13M1100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 100.00
                  Invert(ft): 57.950
       Control Elevation(ft): 57.950
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13M1100W            From Node: 13M1100N
        Group: 13M                   To Node: SECRET
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
        Left Side Slope(h/v): 12.00
       Right Side Slope(h/v): 24.00
                  Invert(ft): 57.000
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13M1400W            From Node: 13M1400N
        Group: 13M                   To Node: 13M1200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13M1400XW
                  Invert(ft): 56.150
       Control Elevation(ft): 56.150
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping sidewalk

-----------------------------------------------------------------------------------------------
         Name: 13M1515W            From Node: 13M1520P
        Group: 13M                   To Node: 13M1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 61.750
       Control Elevation(ft): 61.750
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13M1910W            From Node: 13M1925P
        Group: 13M                   To Node: CONCORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 100.00
```

```
                  Rise(in): 999.00
                Invert(ft): 66.950
      Control Elevation(ft): 66.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13M2325W           From Node: 13M2330P
       Group: 13M                  To Node: CONCORD
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 300.00
                  Rise(in): 999.00
                Invert(ft): 69.450
      Control Elevation(ft): 69.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13M2331W           From Node: 13M2332P
       Group: 13M                  To Node: 13M2331N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331X
                Invert(ft): 73.220
      Control Elevation(ft): 73.220
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Revised To Node based on aerial
xsec points from terrain


-----------------------------------------------------------------------------------------------
        Name: 13M2331W2          From Node: 13M2331N
       Group: 13M                  To Node: 13M2330P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331XW2
                Invert(ft): 67.820
      Control Elevation(ft): 67.820
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
        Name: 13M2334W           From Node: 13M2334N
       Group: 13M                  To Node: 13M2330P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 25.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                Invert(ft): 67.860
      Control Elevation(ft): 0.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M2335W           From Node: 13M2335N
        Group: 13M                  To Node: 13M2334N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 70.150
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13M2360W           From Node: QUAIL
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 65.780
       Control Elevation(ft): 65.780
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0100W           From Node: 13N0100P
        Group: 13N                  To Node: 13N0200P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 600.00
                  Invert(ft): 53.370
       Control Elevation(ft): 53.370
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm weir
invert from LiDar

-----------------------------------------------------------------------------------------------
         Name: 13N0200W           From Node: 13N0200P
        Group: 13N                  To Node: LOST
         Flow: Both                   Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13N0200X
                  Invert(ft): 55.850
       Control Elevation(ft): 55.850
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

wetland overflow weir
xsec and inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0301W           From Node: 13N0301P
        Group: 13N                  To Node: 13N0050P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                   Span(in): 240.00
                   Rise(in): 999.00
                 Invert(ft): 58.790
       Control Elevation(ft): 58.790
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
invert estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13N0350W            From Node: 13N0350N
        Group: 13N                   To Node: 13N0300N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13N0350X
                 Invert(ft): 56.390
       Control Elevation(ft): 56.390
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Overtopping Road
xsec and inverts from lidar

-----------------------------------------------------------------------------------------------
         Name: 13N0500W            From Node: 13N0600N
        Group: 13N                   To Node: 13N0400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13N0500X
                 Invert(ft): 58.640
       Control Elevation(ft): 58.640
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping road
INVERT FROM LIDAR

-----------------------------------------------------------------------------------------------
         Name: 13N0700W            From Node: 13N0700P
        Group: 13N                   To Node: 13N0350N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13N0700X
                 Invert(ft): 53.880
       Control Elevation(ft): 53.880
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

GCS_1048_SD (Assaumed NAVD 88)
Invert fron LiDAR

-----------------------------------------------------------------------------------------------
         Name: 13N0750W            From Node: 13N0750P
        Group: 13N                   To Node: 13N0900P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 720.00
                   Rise(in): 999.00
                 Invert(ft): 56.880
       Control Elevation(ft): 56.880
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
```

```
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert and span estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13N0800W           From Node: 13N0800P
        Group: 13N                  To Node: 13N0700P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 600.00
                  Invert(ft): 55.200
       Control Elevation(ft): 55.200
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm
Tract J to L
GCS_1048_SD (Assaumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_1         From Node: 13N0805N
        Group: 13N                  To Node: 13N0810N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 24.00
                   Rise(in): 16.32
                  Invert(ft): 56.590
       Control Elevation(ft): 56.590
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 -  Slot Weir

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_2         From Node: 13N0805N
        Group: 13N                  To Node: 13N0810N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Circular

                   Span(in): 4.00
                   Rise(in): 4.00
                  Invert(ft): 52.990
       Control Elevation(ft): 52.990
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 - orifice

-----------------------------------------------------------------------------------------------
         Name: 13P0400W           From Node: 13P0400N
        Group: 13P                  To Node: 13P0450N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 150.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 58.500
       Control Elevation(ft): 58.500
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
-----------------------------------------------------------------------------------------------
         Name: 13P0500W           From Node: 13P0500P
        Group: 13P                  To Node: 13P0400N
         Flow: None                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13P0400X
                  Invert(ft): 58.570
       Control Elevation(ft): 58.570
      Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert
Revised from Mavis Equation


-----------------------------------------------------------------------------------------------
         Name: 13P0501W           From Node: 13P0501N
        Group: GEE                  To Node: 13P0500P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 71.100
       Control Elevation(ft): 71.100
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13P1152W           From Node: 13P1200N
        Group: 13P                  To Node: 13P1000N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 180.00
                     Rise(in): 999.00
                  Invert(ft): 74.950
       Control Elevation(ft): 74.950
                                             TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13P1200W           From Node: 13P1200N
        Group: GEE                  To Node: 13P1250N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 74.600
       Control Elevation(ft): 74.600
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13P1750W           From Node: 13P1800P
        Group: 13P                  To Node: 13P1700N
         Flow: Both                   Count: 1
```

```
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13P-W175
                  Invert(ft): 76.490
       Control Elevation(ft): 76.490
      Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1810W            From Node: 13P1810P
        Group: 13P                   To Node: 13P1813N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 86.650
       Control Elevation(ft): 86.650
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
overtopping pond berm weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P1811W_1          From Node: 13P1811N
        Group: 13P                   To Node: 13P1812N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 67.88
                    Rise(in): 17.20
                  Invert(ft): 84.200
       Control Elevation(ft): 84.200
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

-----------------------------------------------------------------------------------------------
         Name: 13P1811W_2          From Node: 13P1811N
        Group: 13P                   To Node: 13P1812N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 4.25
                    Rise(in): 4.25
                  Invert(ft): 82.500
       Control Elevation(ft): 82.500
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

-----------------------------------------------------------------------------------------------
         Name: 13P1813W            From Node: 13P1813N
        Group: 13P                   To Node: 13P1800P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 83.360
```

```
       Control Elevation(ft): 83.360
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
overtopping channel berm weir
invert estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13P1814W           From Node: 13P1814N
        Group: 13P                  To Node: 13P1800P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 78.590
       Control Elevation(ft): 78.590
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
Wetland area to pond
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2020W           From Node: 13P2050N
        Group: 13P                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13P2020X
                  Invert(ft): 89.260
       Control Elevation(ft): 89.260
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

added
overflow weir
xsec points from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2100W           From Node: 13P2200N
        Group: 13P                  To Node: 13P2050N
         Flow: Both                   Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13P2100X
                  Invert(ft): 88.450
       Control Elevation(ft): 88.450
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
overflow weir
xsec points from terrain



-----------------------------------------------------------------------------------------------
         Name: 13P2300W           From Node: 13P2300P
        Group: 13P                  To Node: PEARL
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 94.350
```

```
       Control Elevation(ft): 94.350
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

overtopping pond berm weir
Estimated invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2400W           From Node: 13P2400P
        Group: 13P                  To Node: PRAIRIE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 91.670
       Control Elevation(ft): 91.670
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping pond berm weir
estimated invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13P2410W_1         From Node: 13P2410N
        Group: 13P                  To Node: 13P2420N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 84.85
                    Rise(in): 30.00
                  Invert(ft): 89.200
       Control Elevation(ft): 89.200
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

-----------------------------------------------------------------------------------------------
         Name: 13P2410W_2         From Node: 13P2410N
        Group: 13P                  To Node: 13P2420N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 4.25
                    Rise(in): 4.25
                  Invert(ft): 87.800
       Control Elevation(ft): 87.800
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

-----------------------------------------------------------------------------------------------
         Name: 13P2635W           From Node: 13P2640N
        Group: 13P                  To Node: PRAIRIE
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 89.950
       Control Elevation(ft): 89.950
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
```

```
      Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

-----------------------------------------------------------------------------------------------------
         Name: 13P2643W1           From Node: 13P2643N
        Group: 13P                   To Node: 13P2640N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 90.800
      Control Elevation(ft): 90.800
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------------
         Name: 13P2643W2           From Node: 13P2643N
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 80.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 91.000
      Control Elevation(ft): 91.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------------
         Name: 13P2644W1           From Node: 13P2644N
        Group: 13P                   To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 300.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 94.000
      Control Elevation(ft): 94.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------------
         Name: 13P2644W2           From Node: 13P2644N
        Group: 13P                   To Node: MALTBIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 150.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 97.200
      Control Elevation(ft): 97.200
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------------
```

```
         Name: 13P2646W           From Node: 13P2646N
        Group: 13P                  To Node: 13P2644N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 92.500
       Control Elevation(ft): 92.500
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

---------------------------------------------------------------------------------------------------
         Name: 13P2647W           From Node: LPRAIRIE
        Group: 13P                  To Node: 13P2646N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 540.00
                    Rise(in): 999.00
                  Invert(ft): 92.450
       Control Elevation(ft): 92.450
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: 13P2647W2          From Node: LPRAIRIE
        Group: 13P                  To Node: 13P2660P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 600.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 93.000
       Control Elevation(ft): 93.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

---------------------------------------------------------------------------------------------------
         Name: 13P2660W           From Node: 13P2660P
        Group: 13P                  To Node: 13P2640N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 45.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 89.500
       Control Elevation(ft): 89.500
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

---------------------------------------------------------------------------------------------------
         Name: 13P3400W1          From Node: 13P3400P
        Group: 13P                  To Node: 13P3450N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 37.00
                    Rise(in): 49.00
```

```
                 Invert(ft): 89.300
       Control Elevation(ft): 89.300
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

GRATE

-----------------------------------------------------------------------------------------------
         Name: 13Q0450W           From Node: 13Q0500N
        Group: 13Q                  To Node: GRASSY
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1000.00
                   Rise(in): 999.00
                 Invert(ft): 88.650
       Control Elevation(ft): 88.650
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

-----------------------------------------------------------------------------------------------
         Name: 13Q0820W           From Node: 13Q0820P
        Group: 13Q                  To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 89.750
       Control Elevation(ft): 89.750
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0821W           From Node: 13Q0821N
        Group: 13Q                  To Node: 13Q0880N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
       Control Elevation(ft): 87.000
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0822W1          From Node: 13Q0822N
        Group: 13Q                  To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
       Control Elevation(ft): 87.000
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0822W2           From Node: 13Q0822N
        Group: 13Q                   To Node: 13Q0890N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 89.000
       Control Elevation(ft): 89.000
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

FROM DEM

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0830W_1          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13Q-W083
                  Invert(ft): 86.480
       Control Elevation(ft): 86.480
      Struct Opening Dim(ft): 999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Revised xsec and invert from terrain

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0830W_2          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13Q0830X
                  Invert(ft): 87.570
       Control Elevation(ft): 87.570
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Added
xsec points from terrain

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0860W            From Node: 13Q0860P
        Group: 13Q                   To Node: 13Q0861N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 87.920
       Control Elevation(ft): 87.920
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Overtopping pond berm weir
invert from terrain data

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0870W            From Node: 13Q0870P
        Group: 13Q                   To Node: 13Q0865N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 88.120
       Control Elevation(ft): 88.120
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm
estimated inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0875W            From Node: 13Q0875N
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 89.600
       Control Elevation(ft): 89.600
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0895W            From Node: 13Q0895N
        Group: 13Q                   To Node: 13Q0896N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                   Span(in): 34.00
                   Rise(in): 53.00
                 Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Top of Grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top at ground level - estimated from terrain


-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_1          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13Q0896X
                 Invert(ft): 83.360
       Control Elevation(ft): 83.360
      Struct Opening Dim(ft): 2.25
                                                TABLE
             Bottom Clip(ft): 0.917
                Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Large slot opening
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
inverts estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)
Bottom clip:  removable boards - 11" total

-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_2          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular
```

```
                   Span(in): 7.00
                   Rise(in): 7.00
                 Invert(ft): 82.280
       Control Elevation(ft): 82.280
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
invert estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)

-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_3          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                   Span(in): 37.00
                   Rise(in): 22.00
                 Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Top of grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top elevation at ground level - estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q2291W            From Node: 13Q2290P
        Group: 13Q                   To Node: 13Q0860P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 87.860
       Control Elevation(ft): 87.860
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overflow weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q2294W_1          From Node: 13Q2294N
        Group: 13Q                   To Node: 13Q2295N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 48.00
                   Rise(in): 30.12
                 Invert(ft): 74.640
       Control Elevation(ft): 74.640
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1037_SD (NGVD 29)
s-8
No width available - assumed 4'

-----------------------------------------------------------------------------------------------
         Name: 13Q2295W            From Node: 13Q2300P
        Group: 13Q                   To Node: CONCORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 360.00
```

```
                  Rise(in): 999.00
                Invert(ft): 75.980
      Control Elevation(ft): 75.980
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Overtopping pond wall (at NE corner)
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
        Name: A_ALTON            From Node: 13A1300N
       Group: 13A                  To Node: 13A1100N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RA_ALTON
                Invert(ft): 19.580
      Control Elevation(ft): 19.580
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: A_COSTA            From Node: 13A2600N
       Group: 13A                  To Node: 13A2400N
        Flow: Both                   Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13A-B25R
                Invert(ft): 32.000
      Control Elevation(ft): 32.000
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: A_EDGEM1           From Node: 13A3600N
       Group: 13A                  To Node: 13A3400N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 540.00
                   Rise(in): 999.00
                Invert(ft): 40.150
      Control Elevation(ft): 40.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: A_EDGEM2           From Node: 13A3954P
       Group: 13A                  To Node: 13A3990P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                Invert(ft): 50.380
      Control Elevation(ft): 50.380
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
```

```
         Name: A_FOOTBR            From Node: 13A2350N
        Group: 13A                   To Node: 13A2300N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13A-B23R
                  Invert(ft): 31.850
      Control Elevation(ft): 31.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_HAYES             From Node: 13A2100N
        Group: 13A                   To Node: 13A1900N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13A-B20R
                  Invert(ft): 26.360
      Control Elevation(ft): 26.360
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_LAURA             From Node: 13A5800N
        Group: 13A                   To Node: 13A5600N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13A-B57R
                  Invert(ft): 52.580
      Control Elevation(ft): 52.580
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_MOSS              From Node: 13A3200N
        Group: 13A                   To Node: 13A3000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_MOSS
                  Invert(ft): 36.510
      Control Elevation(ft): 36.510
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_MURPHY            From Node: 13A3900N
        Group: 13A                   To Node: 13A3700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_MURPH
                  Invert(ft): 43.510
      Control Elevation(ft): 43.510
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
```

```
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: A_TRADEW            From Node: 13A3954P
        Group: 13A                   To Node: 13A3952P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 50.510
       Control Elevation(ft): 50.510
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: C_ALTON             From Node: 13C1000N
        Group: 13C                   To Node: 13C0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RC_ALTON
                 Invert(ft): 19.250
       Control Elevation(ft): 19.250
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: C_HAYES             From Node: 13C2200P
        Group: 13C                   To Node: 13C2000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RC_HAYES
                 Invert(ft): 33.950
       Control Elevation(ft): 33.950
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: C_JEEP              From Node: 13C0500N
        Group: 13C                   To Node: 13C0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 14.350
       Control Elevation(ft): 14.350
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
         Name: C_SHORE             From Node: 13C1700N
        Group: 13C                   To Node: 13C1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RC_SHORE
                 Invert(ft): 29.850
       Control Elevation(ft): 29.850
```

```
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_FLAMIN            From Node: 13D0700N
        Group: 13D                   To Node: 13D0500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_FLAMI
                   Invert(ft): 41.180
       Control Elevation(ft): 41.180
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_MOSS1             From Node: 13D0310N
        Group: 13D                   To Node: 13D0200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                   Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_MOSS2             From Node: 13D0330N
        Group: 13D                   To Node: 13D0200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                   Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: D_MOSS3             From Node: 13D0400N
        Group: 13D                   To Node: 13D0330N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                   Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: F_EDGEMO            From Node: 13F0700N
        Group: 13F                   To Node: 13A3990P
         Flow: Both                    Count: 1
```

```
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 51.050
       Control Elevation(ft): 51.050
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE1             From Node: CEMETERY
        Group: 13F                   To Node: 13F1300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 63.550
       Control Elevation(ft): 63.550
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE2             From Node: 13F1374P
        Group: 13F                   To Node: 13F1300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 65.450
       Control Elevation(ft): 65.450
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE3             From Node: 13F1378P
        Group: 13F                   To Node: 13F1300P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 65.750
       Control Elevation(ft): 65.750
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_MURPHY            From Node: 13F0700N
        Group: 13F                   To Node: 13F0400P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_MURPH
                  Invert(ft): 50.580
       Control Elevation(ft): 50.580
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: F_SEVENT            From Node: 13F0400P
        Group: 13F                   To Node: 13F0200N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RF_SEVEN
                  Invert(ft): 47.750
       Control Elevation(ft): 47.750
      Struct Opening Dim(ft): 999.00
                                           TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: I_CHURCH            From Node: GEM
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 470.00
            Corres Depth(ft): 0.60
                  Invert(ft): 73.350
       Control Elevation(ft): 73.350
      Struct Opening Dim(ft): 999.00
                                           TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: I_CR434             From Node: 13I1500P
        Group: 13I                   To Node: EVERGRN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RI_CR434
                  Invert(ft): 64.130
       Control Elevation(ft): 64.130
      Struct Opening Dim(ft): 999.00
                                           TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: I_EAST              From Node: FERN
        Group: 13I                   To Node: LWILDMER
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 80.00
            Corres Depth(ft): 1.50
                  Invert(ft): 62.450
       Control Elevation(ft): 62.450
      Struct Opening Dim(ft): 999.00
                                           TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: I_GRANT             From Node: 13I1514P
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 75.00
            Corres Depth(ft): 0.50
                  Invert(ft): 65.450
       Control Elevation(ft): 65.450
```

```
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_MAGNOL            From Node: ORANGE
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 75.250
       Control Elevation(ft): 75.250
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_WILDME            From Node: WILDMERE
        Group: 13I                   To Node: 13I1000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RI_WILDM
                  Invert(ft): 61.260
       Control Elevation(ft): 61.260
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_CR427             From Node: 13J2100N
        Group: 13J                   To Node: 13J1900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 83.250
       Control Elevation(ft): 83.250
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_GRANT             From Node: 13J0300N
        Group: 13J                   To Node: FAIRY
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RJ_GRANT
                  Invert(ft): 61.100
       Control Elevation(ft): 61.100
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_MARVIN            From Node: 13J0600N
        Group: 13J                   To Node: 13J0400N
         Flow: Both                    Count: 1
```

```
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_MARVI
                  Invert(ft): 74.310
       Control Elevation(ft): 74.310
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_OLEAND            From Node: 13J1000N
       Group: 13J                   To Node: 13J0900N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OLEAN
                  Invert(ft): 76.550
       Control Elevation(ft): 76.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_OVERST            From Node: 13J0800N
       Group: 13J                   To Node: 13J0700N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OVERS
                  Invert(ft): 76.150
       Control Elevation(ft): 76.150
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_TULLIS            From Node: 13J1600N
       Group: 13J                   To Node: 13J1400N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_TULLI
                  Invert(ft): 77.550
       Control Elevation(ft): 77.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: J_WILDME            From Node: 13J1300N
       Group: 13J                   To Node: 13J1100N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_WILDM
                  Invert(ft): 78.210
       Control Elevation(ft): 78.210
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: K_#1792N            From Node: 13K0650N
        Group: 13K                   To Node: 13K0400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 64.350
       Control Elevation(ft): 64.350
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: K_#1792S            From Node: 13K0750N
        Group: 13K                   To Node: 13K0650N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 64.950
       Control Elevation(ft): 64.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: K_GOLDEN            From Node: 13K0900P
        Group: 13K                   To Node: 13K0750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 63.950
       Control Elevation(ft): 63.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: K_GRIFF1            From Node: GRIFFIN
        Group: 13K                   To Node: 13K1750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 76.450
       Control Elevation(ft): 76.450
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: K_GRIFF2            From Node: GRIFFIN
        Group: 13K                   To Node: 13K0750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 76.150
       Control Elevation(ft): 76.150
                                          TABLE
             Bottom Clip(in): 0.000
```

```
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GRIFF3            From Node: GRIFFIN
        Group: 13K                   To Node: 13K1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 76.150
       Control Elevation(ft): 76.150
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SEMINO            From Node: 13K0400N
        Group: 13K                   To Node: KATHRYN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: RK_SEMIN
                  Invert(ft): 60.670
       Control Elevation(ft): 60.670
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SLUMBE            From Node: 13K1300N
        Group: 13K                   To Node: 13K0900P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 67.750
       Control Elevation(ft): 67.750
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_CGC12             From Node: 13L1875P
        Group: 13L                   To Node: 13L1825N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13L-B18R
                  Invert(ft): 56.000
       Control Elevation(ft): 56.000
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_CGC13             From Node: 13L1975P
        Group: 13L                   To Node: 13L1950P
         Flow: None                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13L-B19R
```

```
                 Invert(ft): 55.950
       Control Elevation(ft): 55.950
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_CGC14             From Node: 13L2050P
        Group: 13L                   To Node: 13L1975P
         Flow: None                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13L-B20R
                 Invert(ft): 56.250
       Control Elevation(ft): 56.250
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_KATHRY            From Node: 13L0020N
        Group: 13L                   To Node: KATHRYN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
            Corres Depth(ft): 0.90
                 Invert(ft): 54.050
       Control Elevation(ft): 54.050
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: L_NTRIPL            From Node: 13L1020P
        Group: 13L                   To Node: TRIPLT-M
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RL_NTRIP
                 Invert(ft): 54.560
       Control Elevation(ft): 54.560
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: L_OXFORD            From Node: 13L2700N
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RL_OXFOR
                 Invert(ft): 73.210
       Control Elevation(ft): 73.210
      Struct Opening Dim(ft): 999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
```

```
         Name: P_MORSE            From Node: 13P2661P
        Group: 13P                  To Node: 13P2660P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RP_MORSE
                  Invert(ft): 89.550
       Control Elevation(ft): 89.550
      Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

updated xsec and inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: P_NTRIPL           From Node: 13P0400N
        Group: 13P                  To Node: 13P0450N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RP_NTRIP
                  Invert(ft): 60.150
       Control Elevation(ft): 60.150
      Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
Changed To Node
Adjusted invert to match xsec

-----------------------------------------------------------------------------------------------
         Name: P_SOUTHC           From Node: 13P1600N
        Group: 13P                  To Node: 13P1400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RP_SOUTH
                  Invert(ft): 79.280
       Control Elevation(ft): 79.280
      Struct Opening Dim(ft): 999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: POND8B-W           From Node: POND8B
        Group: 13L                  To Node: 13L1975P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 58.000
       Control Elevation(ft): 58.000
      Struct Opening Dim(ft): 9999.00
                                             TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Berm top

-----------------------------------------------------------------------------------------------
         Name: POND8W             From Node: POND8A
        Group: 13L                  To Node: 13L1950P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 30.00
        Left Side Slope(h/v): 4.00
       Right Side Slope(h/v): 4.00
                  Invert(ft): 55.250
```

```
       Control Elevation(ft): 55.250
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_ANCHO1            From Node: 13Q0820P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 150.00
                    Rise(in): 999.00
                  Invert(ft): 89.050
       Control Elevation(ft): 89.050
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_OAK               From Node: 13Q0940P
        Group: 13Q                   To Node: 13Q0820P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_OAK
                  Invert(ft): 88.960
       Control Elevation(ft): 88.960
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec

-----------------------------------------------------------------------------------------------
         Name: Q_PINE              From Node: 13Q0924P
        Group: 13Q                   To Node: 13Q0940P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_PINE
                  Invert(ft): 88.510
       Control Elevation(ft): 88.510
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised invert to match xsec


==========================================================================================
==== Rating Curves =======================================================================
==========================================================================================

         Name: 13L101PS            From Node: 13L1020P                Count: 1
        Group: 13L                   To Node: TRIPLT-M                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
           #1: 13L-PS10        53.950          53.450
           #2:                 -1.050          -1.050
           #3:                 -1.050          -1.050
           #4:                 -1.050          -1.050



-----------------------------------------------------------------------------------------------
         Name: 13P182PS            From Node: PINEYRDG                Count: 1
        Group: 13P                   To Node: 13P1824N                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
```

```
          #1: 13P-PS18        83.950          79.350
          #2:                 -1.050          -1.050
          #3:                 -1.050          -1.050
          #4:                 -1.050          -1.050



-----------------------------------------------------------------------------------------------------
         Name: 13P270PS            From Node: MALTBIE                 Count: 1
        Group: 13P                   To Node: PRAIRIE                  Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: 13P-PS27        81.950          80.950
          #2: 13P-PS28        83.450          80.950
          #3:                 -1.050          -1.050
          #4:                 -1.050          -1.050


==========================================================================================
==== Hydrology Simulations ===============================================================
==========================================================================================

         Name: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G002YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------------
         Name: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G010YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 6.80

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------------
         Name: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G025YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------------
         Name: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 11.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

==========================================================================================
==== Routing Simulations =================================================================
==========================================================================================

         Name: G002YR24HR          Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G002YR24HR.I32
```

```
      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 2
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes


-----------------------------------------------------------------------------------------------------
         Name: G002YR24HREx        Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G002YR24HR.I32

      Execute: No          Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR              Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
```

```
13Q             No
BASE            No
GEE             No
OP_TABLES       No


-----------------------------------------------------------------------------------------------
         Name: G010YR24HR          Hydrology Sim: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G010YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B010YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 2
10 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes


-----------------------------------------------------------------------------------------------
         Name: G025YR24HR          Hydrology Sim: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G025YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B025YR24HR              Boundary Flows:

GEE CREEK - SCENARIO 2
25 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
```

```
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes


-------------------------------------------------------------------------------------------------
         Name: G100YR24HR          Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\G100YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 2
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes


-------------------------------------------------------------------------------------------------
         Name: G100YR24HREx        Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\Existing\G100YR24HR.I32

      Execute: No          Restart: No            Patch: Yes
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - EXISTING CONDITIONS
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
```

```
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              No
13A             No
13B             No
13C             No
13D             No
13F             No
13G             No
13H             No
13I             No
13J             No
13K             No
13L             No
13M             Yes
13N             No
13P             No
13Q             No
BASE            No
GEE             No
OP_TABLES       No


-------------------------------------------------------------------------------------------------
         Name: initial             Hydrology Sim:
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario2\initial.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 0.01
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows:

GEE CREEK - SCENARIO 2
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           0.100
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes


=============================================================================================
==== Boundary Conditions ====================================================================
=============================================================================================

      Name: B002YR24HR            Node: 12-01-02              Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           9.390
          0.500          12.880
```

1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.240
3.000	13.230
3.500	13.230
4.000	13.220
4.500	13.220
5.000	13.210
5.500	13.210
6.000	13.210
6.500	13.210
7.000	13.210
7.500	13.220
8.000	13.230
8.500	13.240
8.670	13.250
8.830	13.260
9.000	13.270
9.170	13.280
9.330	13.290
9.500	13.310
9.670	13.320
9.830	13.340
10.000	13.360
10.170	13.380
10.330	13.400
10.500	13.440
10.670	13.490
10.830	13.540
11.000	13.590
11.170	13.630
11.330	13.680
11.500	13.750
11.670	13.860
11.830	14.120
12.000	14.570
12.170	14.960
12.330	15.130
12.500	15.280
12.670	15.400
12.830	15.490
13.000	15.550
13.170	15.590
13.330	15.620
13.500	15.650
13.670	15.670
13.830	15.690
14.000	15.720
14.170	15.750
14.330	15.780
14.500	15.810
14.670	15.830
14.830	15.860
15.000	15.880
15.170	15.910
15.330	15.920
15.500	15.940
15.670	15.950
15.830	15.960
16.000	15.960
16.170	15.960
16.670	15.950
17.170	15.920
17.670	15.900
18.170	15.870
18.670	15.830
19.170	15.780
19.670	15.740
20.170	15.700
20.670	15.660
21.170	15.620
21.670	15.580
22.170	15.550
22.670	15.530
23.170	15.500
23.670	15.470
24.170	15.450
24.670	15.410
25.170	15.370
25.670	15.330
26.170	15.280
26.670	15.220
27.170	15.170
27.670	15.110

28.170	15.060
28.670	15.010
29.170	14.970
29.670	14.930
30.170	14.900
30.670	14.830
31.170	14.800
31.670	14.770
32.170	14.760
32.670	14.740
33.170	14.730
33.670	14.710
34.170	14.700
34.670	14.680
35.170	14.670
35.670	14.650
36.170	14.630
36.670	14.620
37.170	14.600
37.670	14.590
38.170	14.570
38.670	14.550
39.170	14.530
39.670	14.520
40.170	14.500
40.670	14.470
41.170	14.450
41.670	14.430
42.170	14.410
42.670	14.380
43.170	14.360
43.670	14.330
44.170	14.310
44.670	14.290
45.170	14.260
45.670	14.240
46.170	14.210
46.670	14.190
47.170	14.160
47.670	14.140
48.170	14.120
48.670	14.090
49.170	14.070
49.670	14.050
50.170	14.030
50.670	14.010
51.170	13.980
51.670	13.960
52.170	13.940
52.670	13.920
53.170	13.900
53.670	13.880
54.170	13.860
54.670	13.830
55.170	13.810
55.670	13.790
56.170	13.770
56.670	13.750
57.170	13.730
57.670	13.710
58.170	13.690
58.670	13.670
59.170	13.650
59.670	13.630
60.170	13.600
60.670	13.580
61.170	13.560
61.670	13.540
62.170	13.520
62.670	13.500
63.170	13.480
63.670	13.450
64.170	13.440
64.670	13.430
65.170	13.410
65.670	13.390
66.170	13.370
66.670	13.350
67.170	13.330
67.670	13.310
68.170	13.290
68.670	13.270
69.170	13.250
69.670	13.230
70.170	13.210

70.670	13.190
71.170	13.170
71.670	13.150
72.000	13.140

Name: B010YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.240
3.000	13.240
3.500	13.250
4.000	13.250
4.500	13.260
5.000	13.270
5.500	13.280
6.000	13.300
6.500	13.330
7.000	13.360
7.500	13.400
8.000	13.450
8.500	13.530
8.670	13.570
8.830	13.590
9.000	13.620
9.170	13.650
9.330	13.680
9.500	13.710
9.670	13.740
9.830	13.780
10.000	13.820
10.170	13.860
10.330	13.900
10.500	13.950
10.670	14.010
10.830	14.060
11.000	14.130
11.170	14.210
11.330	14.310
11.500	14.440
11.670	14.660
11.830	14.930
12.000	15.140
12.170	15.390
12.330	15.640
12.500	15.850
12.670	16.050
12.830	16.210
13.000	16.330
13.170	16.420
13.330	16.500
13.500	16.570
13.670	16.630
13.830	16.700
14.000	16.770
14.170	16.830
14.330	16.900
14.500	16.960
14.670	17.010
14.830	17.060
15.000	17.110
15.170	17.150
15.330	17.180
15.500	17.220
15.670	17.240
15.830	17.270
16.000	17.290
16.170	17.300
16.670	17.330
17.170	17.330
17.670	17.310
18.170	17.290
18.670	17.250
19.170	17.170
19.670	17.090
20.170	17.000
20.670	16.940
21.170	16.890
21.670	16.860

22.170	16.830
22.670	16.800
23.170	16.770
23.670	16.740
24.170	16.710
24.670	16.670
25.170	16.630
25.670	16.580
26.170	16.530
26.670	16.470
27.170	16.410
27.670	16.350
28.170	16.290
28.670	16.230
29.170	16.180
29.670	16.130
30.170	16.080
30.670	16.030
31.170	15.990
31.670	15.950
32.170	15.920
32.670	15.890
33.170	15.870
33.670	15.840
34.170	15.820
34.670	15.810
35.170	15.790
35.670	15.770
36.170	15.760
36.670	15.750
37.170	15.730
37.670	15.720
38.170	15.710
38.670	15.700
39.170	15.690
39.670	15.680
40.170	15.660
40.670	15.650
41.170	15.640
41.670	15.630
42.170	15.620
42.670	15.600
43.170	15.590
43.670	15.580
44.170	15.560
44.670	15.550
45.170	15.530
45.670	15.520
46.170	15.500
46.670	15.490
47.170	15.470
47.670	15.450
48.170	15.440
48.670	15.420
49.170	15.400
49.670	15.390
50.170	15.370
50.670	15.350
51.170	15.330
51.670	15.310
52.170	15.300
52.670	15.280
53.170	15.260
53.670	15.240
54.170	15.220
54.670	15.200
55.170	15.180
55.670	15.160
56.170	15.140
56.670	15.120
57.170	15.100
57.670	15.080
58.170	15.060
58.670	15.040
59.170	15.010
59.670	14.990
60.170	14.970
60.670	14.950
61.170	14.920
61.670	14.900
62.170	14.860
62.670	14.820
63.170	14.790
63.670	14.770
64.170	14.750

64.670	14.730
65.170	14.710
65.670	14.680
66.170	14.660
66.670	14.640
67.170	14.620
67.670	14.590
68.170	14.570
68.670	14.550
69.170	14.520
69.670	14.500
70.170	14.470
70.670	14.440
71.170	14.420
71.670	14.390
72.000	14.370

Name: B025YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.250
3.000	13.260
3.500	13.270
4.000	13.280
4.500	13.310
5.000	13.330
5.500	13.360
6.000	13.400
6.500	13.450
7.000	13.520
7.500	13.600
8.000	13.670
8.500	13.760
8.670	13.790
8.830	13.830
9.000	13.870
9.170	13.900
9.330	13.940
9.500	13.980
9.670	14.020
9.830	14.060
10.000	14.110
10.170	14.160
10.330	14.240
10.500	14.320
10.670	14.420
10.830	14.530
11.000	14.640
11.170	14.750
11.330	14.850
11.500	14.910
11.670	14.990
11.830	15.160
12.000	15.390
12.170	15.650
12.330	15.920
12.500	16.160
12.670	16.380
12.830	16.580
13.000	16.750
13.170	16.880
13.330	16.990
13.500	17.090
13.670	17.180
13.830	17.270
14.000	17.360
14.170	17.450
14.330	17.530
14.500	17.610
14.670	17.680
14.830	17.750
15.000	17.810
15.170	17.860
15.330	17.910
15.500	17.950
15.670	17.990
15.830	18.020
16.000	18.050

16.170	18.070
16.670	18.120
17.170	18.140
17.670	18.140
18.170	18.120
18.670	18.100
19.170	18.060
19.670	18.030
20.170	17.990
20.670	17.960
21.670	17.910
22.170	17.890
22.670	17.880
23.170	17.870
23.670	17.860
24.170	17.860
24.670	17.850
25.170	17.840
25.670	17.830
26.170	17.810
26.670	17.780
27.170	17.740
27.670	17.700
28.170	17.650
28.670	17.600
29.170	17.540
29.670	17.470
30.170	17.400
30.670	17.330
31.170	17.250
31.670	17.160
32.170	17.080
32.670	17.010
33.170	16.950
33.670	16.910
34.170	16.880
34.670	16.850
35.170	16.820
35.670	16.780
36.170	16.740
36.670	16.690
37.170	16.640
37.670	16.580
38.170	16.530
38.670	16.480
39.170	16.430
39.670	16.380
40.170	16.330
40.670	16.280
41.170	16.240
41.670	16.200
42.170	16.170
42.670	16.130
43.170	16.100
43.670	16.080
44.170	16.050
44.670	16.030
45.170	16.010
45.670	15.990
46.170	15.980
46.670	15.960
47.170	15.950
47.670	15.930
48.170	15.920
48.670	15.900
49.170	15.890
49.670	15.880
50.170	15.860
50.670	15.850
51.170	15.840
51.670	15.820
52.170	15.810
52.670	15.800
53.170	15.780
53.670	15.770
54.170	15.760
54.670	15.740
55.170	15.730
55.670	15.720
56.170	15.700
56.670	15.690
57.170	15.670
57.670	15.660
58.170	15.640
58.670	15.620

59.170	15.610
59.670	15.590
60.170	15.570
60.670	15.550
61.170	15.530
61.670	15.510
62.170	15.500
62.670	15.480
63.170	15.460
63.670	15.440
64.170	15.420
64.670	15.400
65.170	15.380
65.670	15.360
66.170	15.340
66.670	15.320
67.170	15.300
67.670	15.280
68.170	15.260
68.670	15.240
69.170	15.220
69.670	15.190
70.170	15.170
70.670	15.150
71.170	15.130
71.670	15.110
72.000	15.100

Name: B100YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.250
2.500	13.270
3.000	13.300
3.500	13.330
4.000	13.370
4.500	13.420
5.000	13.490
5.500	13.590
6.000	13.650
6.500	13.730
7.000	13.820
7.500	13.920
8.000	14.020
8.500	14.140
8.670	14.190
8.830	14.250
9.000	14.330
9.170	14.410
9.330	14.490
9.500	14.570
9.670	14.640
9.830	14.720
10.000	14.790
10.170	14.860
10.330	14.900
10.500	14.940
10.670	14.990
10.830	15.040
11.000	15.110
11.170	15.180
11.330	15.250
11.500	15.330
11.670	15.440
11.830	15.610
12.000	15.850
12.170	16.130
12.330	16.420
12.500	16.700
12.670	16.970
12.830	17.190
13.000	17.390
13.170	17.560
13.330	17.720
13.500	17.870
13.670	18.010
13.830	18.140
14.000	18.260
14.170	18.370

14.330	18.480
14.500	18.580
14.670	18.670
14.830	18.760
15.000	18.830
15.170	18.890
15.330	18.950
15.500	19.000
15.670	19.040
15.830	19.080
16.000	19.120
16.170	19.150
16.670	19.250
17.170	19.350
17.670	19.450
18.170	19.540
18.670	19.620
19.170	19.680
19.670	19.730
20.170	19.780
20.670	19.810
21.170	19.830
21.670	19.850
22.170	19.860
22.670	19.850
23.170	19.840
23.670	19.820
24.170	19.800
24.670	19.780
25.170	19.750
25.670	19.720
26.170	19.680
26.670	19.640
27.170	19.600
27.670	19.550
28.170	19.510
28.670	19.460
29.170	19.410
29.670	19.360
30.170	19.310
30.670	19.260
31.170	19.210
31.670	19.160
32.170	19.100
32.670	19.050
33.170	18.990
33.670	18.930
34.170	18.860
34.670	18.790
35.170	18.720
35.670	18.640
36.170	18.550
36.670	18.460
37.170	18.370
37.670	18.270
38.170	18.170
38.670	18.070
39.170	17.970
39.670	17.870
40.170	17.760
40.670	17.650
41.170	17.540
41.670	17.430
42.170	17.320
42.670	17.220
43.170	17.110
43.670	17.020
44.170	16.960
44.670	16.910
45.170	16.880
45.670	16.860
46.170	16.830
46.670	16.790
47.170	16.760
47.670	16.720
48.170	16.680
48.670	16.640
49.170	16.590
49.670	16.550
50.170	16.510
50.670	16.470
51.170	16.430
51.670	16.390
52.170	16.350
52.670	16.320

53.170	16.290
53.670	16.250
54.170	16.220
54.670	16.190
55.170	16.170
55.670	16.140
56.170	16.130
56.670	16.110
57.170	16.090
57.670	16.080
58.170	16.060
58.670	16.050
59.170	16.030
59.670	16.020
60.170	16.000
60.670	15.990
61.170	15.970
61.670	15.960
62.170	15.950
62.670	15.930
63.170	15.920
63.670	15.900
64.170	15.890
64.670	15.870
65.170	15.860
65.670	15.840
66.170	15.830
66.670	15.810
67.170	15.800
67.670	15.780
68.170	15.770
68.670	15.760
69.170	15.740
69.670	15.730
70.170	15.710
70.670	15.700
71.170	15.690
71.670	15.670
72.000	15.660

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.6 Basin Max Comparison Report – Scenario 2

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A0100B	GEE	12.07	13.14	2.811	70822
G010YR24HR	13A0100B	GEE	12.07	23.29	5.054	127319
G025YR24HR	13A0100B	GEE	12.07	30.47	6.689	168505
G100YR24HR	13A0100B	GEE	12.07	43.05	9.616	242252
G002YR24HR	13A0300B	GEE	13.17	16.16	2.466	264466
G010YR24HR	13A0300B	GEE	13.17	30.63	4.625	495907
G025YR24HR	13A0300B	GEE	13.17	41.13	6.221	667082
G100YR24HR	13A0300B	GEE	13.08	59.76	9.102	976023
G002YR24HR	13A0600B	GEE	13.33	6.80	3.510	123321
G010YR24HR	13A0600B	GEE	13.33	11.19	5.862	205991
G025YR24HR	13A0600B	GEE	13.33	14.27	7.544	265070
G100YR24HR	13A0600B	GEE	13.33	19.68	10.523	369768
G002YR24HR	13A0725B	GEE	12.07	2.69	2.627	14497
G010YR24HR	13A0725B	GEE	12.07	4.91	4.828	26639
G025YR24HR	13A0725B	GEE	12.07	6.48	6.444	35557
G100YR24HR	13A0725B	GEE	12.07	9.25	9.350	51587
G002YR24HR	13A0735B	GEE	12.58	20.31	3.094	227643
G010YR24HR	13A0735B	GEE	12.58	34.95	5.388	396480
G025YR24HR	13A0735B	GEE	12.58	45.28	7.045	518391
G100YR24HR	13A0735B	GEE	12.58	63.35	9.997	735574
G002YR24HR	13A0800B	GEE	12.33	12.72	1.855	110558
G010YR24HR	13A0800B	GEE	12.33	27.04	3.812	227199
G025YR24HR	13A0800B	GEE	12.33	37.81	5.311	316564
G100YR24HR	13A0800B	GEE	12.33	57.25	8.073	481181
G002YR24HR	13A0820B	GEE	13.75	18.78	3.289	409145
G010YR24HR	13A0820B	GEE	13.75	31.80	5.614	698442
G025YR24HR	13A0820B	GEE	13.75	40.99	7.285	906221
G100YR24HR	13A0820B	GEE	13.75	57.11	10.252	1275361
G002YR24HR	13A0950B	GEE	12.24	11.46	2.071	81939
G010YR24HR	13A0950B	GEE	12.18	23.12	4.108	162547
G025YR24HR	13A0950B	GEE	12.18	31.79	5.647	223448
G100YR24HR	13A0950B	GEE	12.18	47.29	8.459	334708
G002YR24HR	13A1000B	GEE	12.10	7.78	2.164	42096
G010YR24HR	13A1000B	GEE	12.07	15.29	4.232	82345
G025YR24HR	13A1000B	GEE	12.07	20.82	5.787	112588
G100YR24HR	13A1000B	GEE	12.07	30.63	8.617	167666
G002YR24HR	13A1001B	GEE	12.67	6.79	1.771	81466
G010YR24HR	13A1001B	GEE	12.67	14.78	3.694	169879
G025YR24HR	13A1001B	GEE	12.67	20.85	5.175	238018
G100YR24HR	13A1001B	GEE	12.67	31.87	7.914	363975
G002YR24HR	13A1002B	GEE	12.07	4.75	2.728	25548
G010YR24HR	13A1002B	GEE	12.07	8.51	4.952	46380
G025YR24HR	13A1002B	GEE	12.07	11.19	6.579	61615
G100YR24HR	13A1002B	GEE	12.07	15.87	9.497	88942
G002YR24HR	13A1101B	GEE	13.00	14.95	2.534	214168
G010YR24HR	13A1101B	GEE	12.92	28.00	4.710	398062
G025YR24HR	13A1101B	GEE	12.92	37.43	6.315	533643
G100YR24HR	13A1101B	GEE	12.92	54.10	9.205	777913
G002YR24HR	13A1102B	GEE	12.07	8.60	2.739	46329
G010YR24HR	13A1102B	GEE	12.07	15.41	4.966	83997
G025YR24HR	13A1102B	GEE	12.07	20.24	6.593	111534
G100YR24HR	13A1102B	GEE	12.07	28.70	9.513	160914
G002YR24HR	13A1300B	GEE	12.33	12.88	2.984	112773
G010YR24HR	13A1300B	GEE	12.33	22.44	5.259	198735
G025YR24HR	13A1300B	GEE	12.33	29.19	6.907	261015
G100YR24HR	13A1300B	GEE	12.33	41.01	9.849	372164
G002YR24HR	13A1400B	GEE	12.10	8.94	2.336	48171
G010YR24HR	13A1400B	GEE	12.07	17.04	4.459	91935
G025YR24HR	13A1400B	GEE	12.07	22.92	6.039	124513
G100YR24HR	13A1400B	GEE	12.07	33.32	8.901	183525
G002YR24HR	13A1600B	GEE	12.07	9.19	3.299	50304
G010YR24HR	13A1600B	GEE	12.07	15.30	5.627	85794
G025YR24HR	13A1600B	GEE	12.07	19.58	7.299	111278
G100YR24HR	13A1600B	GEE	12.07	27.07	10.268	156548
G002YR24HR	13A1601B	GEE	12.12	12.85	2.727	76426
G010YR24HR	13A1601B	GEE	12.12	23.07	4.951	138748
G025YR24HR	13A1601B	GEE	12.12	30.33	6.578	184327

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13A1601B	GEE	12.12	43.05	9.495	266081
G002YR24HR	13A1700B	GEE	12.07	10.68	3.276	58396
G010YR24HR	13A1700B	GEE	12.07	17.83	5.601	99828
G025YR24HR	13A1700B	GEE	12.07	22.84	7.271	129596
G100YR24HR	13A1700B	GEE	12.07	31.60	10.239	182492
G002YR24HR	13A1701B	GEE	12.17	45.38	2.728	306575
G010YR24HR	13A1701B	GEE	12.17	81.77	4.952	556559
G025YR24HR	13A1701B	GEE	12.17	107.64	6.579	739383
G100YR24HR	13A1701B	GEE	12.17	153.04	9.497	1067307
G002YR24HR	13A1800B	GEE	12.07	10.04	3.231	54780
G010YR24HR	13A1800B	GEE	12.07	16.85	5.550	94077
G025YR24HR	13A1800B	GEE	12.07	21.62	7.217	122343
G100YR24HR	13A1800B	GEE	12.07	29.97	10.182	172602
G002YR24HR	13A1801B	GEE	12.07	11.79	2.656	63436
G010YR24HR	13A1801B	GEE	12.07	21.37	4.863	116166
G025YR24HR	13A1801B	GEE	12.07	28.19	6.483	154843
G100YR24HR	13A1801B	GEE	12.07	40.17	9.392	224327
G002YR24HR	13A1802B	GEE	12.10	2.83	2.453	15224
G010YR24HR	13A1802B	GEE	12.07	5.29	4.608	28604
G025YR24HR	13A1802B	GEE	12.07	7.06	6.204	38508
G100YR24HR	13A1802B	GEE	12.07	10.19	9.084	56390
G002YR24HR	13A1901B	GEE	12.20	20.62	2.739	147441
G010YR24HR	13A1901B	GEE	12.20	37.11	4.965	267278
G025YR24HR	13A1901B	GEE	12.20	48.85	6.592	354879
G100YR24HR	13A1901B	GEE	12.20	69.43	9.510	511964
G002YR24HR	13A1902B	GEE	12.10	3.44	2.126	18597
G010YR24HR	13A1902B	GEE	12.07	6.80	4.182	36584
G025YR24HR	13A1902B	GEE	12.07	9.28	5.730	50129
G100YR24HR	13A1902B	GEE	12.07	13.69	8.553	74828
G002YR24HR	13A2100B	GEE	12.07	8.04	2.728	43273
G010YR24HR	13A2100B	GEE	12.07	14.42	4.952	78558
G025YR24HR	13A2100B	GEE	12.07	18.95	6.579	104364
G100YR24HR	13A2100B	GEE	12.07	26.88	9.497	150650
G002YR24HR	13A2200B	GEE	12.07	16.56	3.499	91834
G010YR24HR	13A2200B	GEE	12.07	27.00	5.852	153580
G025YR24HR	13A2200B	GEE	12.07	34.31	7.534	197717
G100YR24HR	13A2200B	GEE	12.07	47.11	10.514	275945
G002YR24HR	13A2201B	GEE	12.20	26.95	2.608	193021
G010YR24HR	13A2201B	GEE	12.20	49.52	4.803	355509
G025YR24HR	13A2201B	GEE	12.20	65.66	6.417	474926
G100YR24HR	13A2201B	GEE	12.20	94.05	9.318	689697
G002YR24HR	13A2202B	GEE	12.10	4.76	2.426	25627
G010YR24HR	13A2202B	GEE	12.07	8.94	4.574	48320
G025YR24HR	13A2202B	GEE	12.07	11.96	6.166	65137
G100YR24HR	13A2202B	GEE	12.07	17.28	9.043	95524
G002YR24HR	13A2220B	GEE	12.10	14.54	1.338	84780
G010YR24HR	13A2220B	GEE	12.10	35.57	3.056	193715
G025YR24HR	13A2220B	GEE	12.10	52.08	4.431	280837
G100YR24HR	13A2220B	GEE	12.07	82.78	7.030	445566
G002YR24HR	13A2300B	GEE	12.07	3.12	2.726	16823
G010YR24HR	13A2300B	GEE	12.07	5.61	4.950	30547
G025YR24HR	13A2300B	GEE	12.07	7.37	6.577	40584
G100YR24HR	13A2300B	GEE	12.07	10.46	9.494	58589
G002YR24HR	13A2350B	GEE	12.07	8.64	3.268	47219
G010YR24HR	13A2350B	GEE	12.07	14.44	5.592	80788
G025YR24HR	13A2350B	GEE	12.07	18.50	7.262	104910
G100YR24HR	13A2350B	GEE	12.07	25.60	10.229	147779
G002YR24HR	13A2351B	GEE	12.07	6.70	2.721	36047
G010YR24HR	13A2351B	GEE	12.07	12.02	4.943	65497
G025YR24HR	13A2351B	GEE	12.07	15.81	6.569	87041
G100YR24HR	13A2351B	GEE	12.07	22.44	9.486	125690
G002YR24HR	13A2400B	GEE	12.07	9.64	2.707	51885
G010YR24HR	13A2400B	GEE	12.07	17.34	4.927	94427
G025YR24HR	13A2400B	GEE	12.07	22.81	6.551	125566
G100YR24HR	13A2400B	GEE	12.07	32.41	9.467	181443
G002YR24HR	13A2600B	GEE	12.07	7.99	3.356	43858

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13A2600B	GEE	12.07	13.21	5.692	74378
G025YR24HR	13A2600B	GEE	12.07	16.87	7.366	96262
G100YR24HR	13A2600B	GEE	12.07	23.28	10.339	135111
G002YR24HR	13A2601B	GEE	12.32	36.16	2.266	288182
G010YR24HR	13A2601B	GEE	12.32	70.08	4.367	555306
G025YR24HR	13A2601B	GEE	12.24	94.91	5.936	754875
G100YR24HR	13A2601B	GEE	12.24	139.29	8.785	1117122
G002YR24HR	13A2701B	GEE	12.07	4.98	2.575	26828
G010YR24HR	13A2701B	GEE	12.07	9.15	4.763	49621
G025YR24HR	13A2701B	GEE	12.07	12.13	6.373	66397
G100YR24HR	13A2701B	GEE	12.07	17.36	9.272	96593
G002YR24HR	13A2750B	GEE	12.13	24.52	2.435	149175
G010YR24HR	13A2750B	GEE	12.13	46.09	4.585	280956
G025YR24HR	13A2750B	GEE	12.13	61.63	6.178	378577
G100YR24HR	13A2750B	GEE	12.13	89.02	9.056	554924
G002YR24HR	13A2820B	GEE	12.17	14.56	2.562	98485
G010YR24HR	13A2820B	GEE	12.17	26.91	4.746	182461
G025YR24HR	13A2820B	GEE	12.17	35.77	6.355	244305
G100YR24HR	13A2820B	GEE	12.17	51.35	9.252	355656
G002YR24HR	13A2900B	GEE	12.92	8.70	1.554	126777
G010YR24HR	13A2900B	GEE	12.92	20.11	3.381	275772
G025YR24HR	13A2900B	GEE	12.92	28.99	4.813	392583
G100YR24HR	13A2900B	GEE	12.83	45.45	7.488	610761
G002YR24HR	13A2901B	GEE	13.33	15.77	1.837	289326
G010YR24HR	13A2901B	GEE	13.33	33.89	3.787	596277
G025YR24HR	13A2901B	GEE	13.33	47.67	5.282	831721
G100YR24HR	13A2901B	GEE	13.25	72.84	8.038	1265722
G002YR24HR	13A2902B	GEE	15.14	12.98	1.321	188711
G010YR24HR	13A2902B	GEE	15.05	32.46	3.030	432854
G025YR24HR	13A2902B	GEE	15.05	48.10	4.398	628416
G100YR24HR	13A2902B	GEE	15.05	77.37	6.989	998535
G002YR24HR	13A2903B	GEE	17.72	3.02	0.574	69908
G010YR24HR	13A2903B	GEE	17.47	12.15	1.768	215495
G025YR24HR	13A2903B	GEE	17.47	20.89	2.837	345681
G100YR24HR	13A2903B	GEE	17.38	38.95	5.001	609439
G002YR24HR	13A3200B	GEE	12.07	8.50	2.857	45845
G010YR24HR	13A3200B	GEE	12.07	14.97	5.110	81982
G025YR24HR	13A3200B	GEE	12.07	19.54	6.749	108281
G100YR24HR	13A3200B	GEE	12.07	27.54	9.681	155328
G002YR24HR	13A3201B	GEE	12.17	23.38	2.674	158011
G010YR24HR	13A3201B	GEE	12.17	42.48	4.886	288724
G025YR24HR	13A3201B	GEE	12.17	56.09	6.507	384530
G100YR24HR	13A3201B	GEE	12.17	79.99	9.418	556577
G002YR24HR	13A3202B	GEE	12.10	4.06	2.045	22046
G010YR24HR	13A3202B	GEE	12.07	8.16	4.073	43911
G025YR24HR	13A3202B	GEE	12.07	11.20	5.608	60457
G100YR24HR	13A3202B	GEE	12.07	16.64	8.414	90713
G002YR24HR	13A3300B	GEE	12.07	8.54	3.024	46220
G010YR24HR	13A3300B	GEE	12.07	14.70	5.309	81130
G025YR24HR	13A3300B	GEE	12.07	19.03	6.962	106392
G100YR24HR	13A3300B	GEE	12.07	26.61	9.910	151450
G002YR24HR	13A3320B	GEE	12.10	18.09	2.182	97749
G010YR24HR	13A3320B	GEE	12.07	35.41	4.257	190685
G025YR24HR	13A3320B	GEE	12.07	48.14	5.814	260443
G100YR24HR	13A3320B	GEE	12.07	70.73	8.649	387406
G002YR24HR	13A3400B	GEE	12.23	51.21	2.682	393359
G010YR24HR	13A3400B	GEE	12.23	93.14	4.896	717944
G025YR24HR	13A3400B	GEE	12.23	123.05	6.517	955754
G100YR24HR	13A3400B	GEE	12.23	175.60	9.429	1382720
G002YR24HR	13A3420B	GEE	12.10	9.00	1.605	50446
G010YR24HR	13A3420B	GEE	12.10	20.12	3.455	108621
G025YR24HR	13A3420B	GEE	12.10	28.61	4.900	154041
G100YR24HR	13A3420B	GEE	12.07	44.23	7.592	238664
G002YR24HR	13A3440B	GEE	14.58	1.66	0.754	52647
G010YR24HR	13A3440B	GEE	14.33	5.43	2.098	146529
G025YR24HR	13A3440B	GEE	14.25	8.82	3.258	227533
G100YR24HR	13A3440B	GEE	14.17	15.64	5.557	388092

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A3600B	GEE	12.07	19.18	2.942	103579
G010YR24HR	13A3600B	GEE	12.07	33.38	5.211	183472
G025YR24HR	13A3600B	GEE	12.07	43.39	6.857	241445
G100YR24HR	13A3600B	GEE	12.07	60.89	9.798	344991
G002YR24HR	13A3910B	GEE	12.07	23.83	2.881	128547
G010YR24HR	13A3910B	GEE	12.07	41.82	5.139	229243
G025YR24HR	13A3910B	GEE	12.07	54.52	6.780	302465
G100YR24HR	13A3910B	GEE	12.07	76.74	9.715	433393
G002YR24HR	13A3920B	GEE	12.07	26.65	3.690	150135
G010YR24HR	13A3920B	GEE	12.07	42.68	6.061	246630
G025YR24HR	13A3920B	GEE	12.07	53.92	7.750	315369
G100YR24HR	13A3920B	GEE	12.07	73.64	10.739	436996
G002YR24HR	13A3921B	GEE	12.07	27.95	2.663	150415
G010YR24HR	13A3921B	GEE	12.07	50.62	4.872	275204
G025YR24HR	13A3921B	GEE	12.07	66.75	6.492	366708
G100YR24HR	13A3921B	GEE	12.07	95.06	9.402	531070
G002YR24HR	13A3930B	GEE	12.07	37.98	2.682	204438
G010YR24HR	13A3930B	GEE	12.07	68.60	4.896	373194
G025YR24HR	13A3930B	GEE	12.07	90.37	6.518	496841
G100YR24HR	13A3930B	GEE	12.07	128.56	9.430	718845
G002YR24HR	13A3940B	GEE	12.07	8.28	2.728	44560
G010YR24HR	13A3940B	GEE	12.07	14.85	4.952	80895
G025YR24HR	13A3940B	GEE	12.07	19.51	6.579	107468
G100YR24HR	13A3940B	GEE	12.07	27.68	9.497	155132
G002YR24HR	13A3950B	GEE	12.07	18.24	2.708	98202
G010YR24HR	13A3950B	GEE	12.07	32.82	4.928	178701
G025YR24HR	13A3950B	GEE	12.07	43.17	6.553	237620
G100YR24HR	13A3950B	GEE	12.07	61.33	9.468	343346
G002YR24HR	13A3952B	GEE	13.25	14.34	1.458	248498
G010YR24HR	13A3952B	GEE	13.17	34.23	3.239	551856
G025YR24HR	13A3952B	GEE	13.08	49.94	4.646	791692
G100YR24HR	13A3952B	GEE	13.08	79.29	7.289	1241966
G002YR24HR	13A3954B	GEE	12.18	23.43	1.274	163352
G010YR24HR	13A3954B	GEE	12.13	59.26	2.958	379276
G025YR24HR	13A3954B	GEE	12.13	88.07	4.314	553081
G100YR24HR	13A3954B	GEE	12.13	141.88	6.887	883022
G002YR24HR	13A3956B	GEE	12.13	3.24	0.755	24164
G010YR24HR	13A3956B	GEE	12.10	11.58	2.100	67239
G025YR24HR	13A3956B	GEE	12.10	18.79	3.261	104401
G100YR24HR	13A3956B	GEE	12.10	32.89	5.561	178056
G002YR24HR	13A3960B	GEE	12.10	9.95	1.767	54893
G010YR24HR	13A3960B	GEE	12.10	21.28	3.688	114591
G025YR24HR	13A3960B	GEE	12.07	29.84	5.169	160619
G100YR24HR	13A3960B	GEE	12.07	45.40	7.908	245726
G002YR24HR	13A3962B	GEE	12.16	33.37	2.533	221323
G010YR24HR	13A3962B	GEE	12.16	61.95	4.710	411544
G025YR24HR	13A3962B	GEE	12.16	82.45	6.316	551812
G100YR24HR	13A3962B	GEE	12.16	118.54	9.208	804548
G002YR24HR	13A3964B	GEE	12.07	30.82	2.799	166028
G010YR24HR	13A3964B	GEE	12.07	54.71	5.039	298894
G025YR24HR	13A3964B	GEE	12.07	71.62	6.673	395798
G100YR24HR	13A3964B	GEE	12.07	101.24	9.599	569353
G002YR24HR	13A3990B	GEE	12.10	45.05	1.775	248474
G010YR24HR	13A3990B	GEE	12.10	96.17	3.699	517933
G025YR24HR	13A3990B	GEE	12.07	134.80	5.182	725566
G100YR24HR	13A3990B	GEE	12.07	204.91	7.923	1109350
G002YR24HR	13A4000B	GEE	12.07	15.31	3.679	86133
G010YR24HR	13A4000B	GEE	12.07	24.53	6.049	141633
G025YR24HR	13A4000B	GEE	12.07	31.00	7.738	181175
G100YR24HR	13A4000B	GEE	12.07	42.35	10.727	251147
G002YR24HR	13A4120B	GEE	12.07	30.36	2.932	163918
G010YR24HR	13A4120B	GEE	12.07	52.90	5.199	290656
G025YR24HR	13A4120B	GEE	12.07	68.79	6.845	382652
G100YR24HR	13A4120B	GEE	12.07	96.59	9.785	546994
G002YR24HR	13A4200B	GEE	12.07	8.26	3.382	45418
G010YR24HR	13A4200B	GEE	12.07	13.62	5.720	76830

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13A4200B	GEE	12.07	17.38	7.396	99340
G100YR24HR	13A4200B	GEE	12.07	23.96	10.371	139289
G002YR24HR	13A4300B	GEE	12.07	41.02	3.045	222200
G010YR24HR	13A4300B	GEE	12.07	70.43	5.333	389140
G025YR24HR	13A4300B	GEE	12.07	91.11	6.988	509869
G100YR24HR	13A4300B	GEE	12.07	127.26	9.938	725124
G002YR24HR	13A4301B	GEE	12.10	23.92	2.441	128769
G010YR24HR	13A4301B	GEE	12.07	44.83	4.594	242303
G025YR24HR	13A4301B	GEE	12.07	59.90	6.188	326380
G100YR24HR	13A4301B	GEE	12.07	86.45	9.067	478232
G002YR24HR	13A4700B	GEE	12.10	33.92	2.544	182629
G010YR24HR	13A4700B	GEE	12.07	62.59	4.723	339142
G025YR24HR	13A4700B	GEE	12.07	83.12	6.330	454499
G100YR24HR	13A4700B	GEE	12.07	119.20	9.224	662296
G002YR24HR	13A4701B	GEE	12.07	11.25	2.640	60559
G010YR24HR	13A4701B	GEE	12.07	20.45	4.843	111117
G025YR24HR	13A4701B	GEE	12.07	27.01	6.461	148225
G100YR24HR	13A4701B	GEE	12.07	38.51	9.368	214916
G002YR24HR	13A4720B	GEE	12.33	2.38	0.429	24364
G010YR24HR	13A4720B	GEE	12.10	12.82	1.486	84361
G025YR24HR	13A4720B	GEE	12.10	23.71	2.467	140071
G100YR24HR	13A4720B	GEE	12.10	46.13	4.501	255518
G002YR24HR	13A4721B	GEE	12.83	2.22	0.393	24247
G010YR24HR	13A4721B	GEE	12.63	12.91	1.411	87130
G025YR24HR	13A4721B	GEE	12.60	24.44	2.368	146193
G100YR24HR	13A4721B	GEE	12.60	48.41	4.363	269409
G002YR24HR	13A5001B	GEE	12.07	24.68	3.499	136798
G010YR24HR	13A5001B	GEE	12.07	40.22	5.852	228777
G025YR24HR	13A5001B	GEE	12.07	51.11	7.534	294524
G100YR24HR	13A5001B	GEE	12.07	70.17	10.514	411054
G002YR24HR	13A5002B	GEE	12.07	6.06	3.114	32897
G010YR24HR	13A5002B	GEE	12.07	10.31	5.414	57190
G025YR24HR	13A5002B	GEE	12.07	13.30	7.074	74722
G100YR24HR	13A5002B	GEE	12.07	18.52	10.030	105947
G002YR24HR	13A5100B	GEE	12.07	35.26	3.705	198890
G010YR24HR	13A5100B	GEE	12.07	56.39	6.077	326270
G025YR24HR	13A5100B	GEE	12.07	71.21	7.767	416989
G100YR24HR	13A5100B	GEE	12.07	97.21	10.756	577487
G002YR24HR	13A5101B	GEE	12.07	21.67	2.728	116649
G010YR24HR	13A5101B	GEE	12.07	38.86	4.952	211766
G025YR24HR	13A5101B	GEE	12.07	51.07	6.579	281329
G100YR24HR	13A5101B	GEE	12.07	72.46	9.497	406101
G002YR24HR	13A5300B	GEE	12.07	6.96	3.107	37789
G010YR24HR	13A5300B	GEE	12.07	11.86	5.406	65741
G025YR24HR	13A5300B	GEE	12.07	15.30	7.065	85918
G100YR24HR	13A5300B	GEE	12.07	21.31	10.021	121857
G002YR24HR	13A5320B	GEE	12.10	6.59	1.078	41248
G010YR24HR	13A5320B	GEE	12.10	18.27	2.647	101289
G025YR24HR	13A5320B	GEE	12.10	27.75	3.939	150704
G100YR24HR	13A5320B	GEE	12.10	45.66	6.425	245813
G002YR24HR	13A5400B	GEE	12.20	32.76	2.720	234284
G010YR24HR	13A5400B	GEE	12.20	59.14	4.942	425670
G025YR24HR	13A5400B	GEE	12.20	77.92	6.567	565678
G100YR24HR	13A5400B	GEE	12.20	110.87	9.483	816840
G002YR24HR	13A5500B	GEE	12.10	16.81	2.305	90633
G010YR24HR	13A5500B	GEE	12.07	32.22	4.419	173714
G025YR24HR	13A5500B	GEE	12.07	43.42	5.994	235659
G100YR24HR	13A5500B	GEE	12.07	63.24	8.851	347970
G002YR24HR	13A5600B	GEE	12.07	21.64	3.098	117397
G010YR24HR	13A5600B	GEE	12.07	36.90	5.395	204447
G025YR24HR	13A5600B	GEE	12.07	47.62	7.053	267300
G100YR24HR	13A5600B	GEE	12.07	66.37	10.008	379271
G002YR24HR	13A5800B	GEE	12.07	6.37	3.499	35308
G010YR24HR	13A5800B	GEE	12.07	10.38	5.851	59049
G025YR24HR	13A5800B	GEE	12.07	13.19	7.533	76020
G100YR24HR	13A5800B	GEE	12.07	18.11	10.514	106099

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A6000B	GEE	12.07	184.99	2.843	997162
G010YR24HR	13A6000B	GEE	12.07	326.35	5.092	1786184
G025YR24HR	13A6000B	GEE	12.07	426.30	6.729	2360724
G100YR24HR	13A6000B	GEE	12.07	601.25	9.660	3388833
G002YR24HR	13A6200B	GEE	12.33	224.12	3.546	2061076
G010YR24HR	13A6200B	GEE	12.33	365.38	5.901	3429449
G025YR24HR	13A6200B	GEE	12.33	464.39	7.582	4406564
G100YR24HR	13A6200B	GEE	12.33	637.77	10.560	6137486
G002YR24HR	13A6201B	GEE	12.07	16.74	3.614	93660
G010YR24HR	13A6201B	GEE	12.07	26.99	5.978	154944
G025YR24HR	13A6201B	GEE	12.07	34.17	7.665	198655
G100YR24HR	13A6201B	GEE	12.07	46.76	10.651	276045
G002YR24HR	13B0200B	GEE	12.75	3.65	1.167	48077
G010YR24HR	13B0200B	GEE	12.67	9.73	2.789	114919
G025YR24HR	13B0200B	GEE	12.67	14.71	4.110	169349
G100YR24HR	13B0200B	GEE	12.67	24.13	6.636	273422
G002YR24HR	13B0400B	GEE	14.57	0.16	0.105	5438
G010YR24HR	13B0400B	GEE	12.33	3.89	0.728	37529
G025YR24HR	13B0400B	GEE	12.13	9.61	1.417	73075
G100YR24HR	13B0400B	GEE	12.10	25.14	2.985	153992
G002YR24HR	13B0500B	GEE	12.37	0.95	0.333	11954
G010YR24HR	13B0500B	GEE	12.13	6.52	1.285	46123
G025YR24HR	13B0500B	GEE	12.10	12.87	2.198	78904
G100YR24HR	13B0500B	GEE	12.10	26.36	4.126	148129
G002YR24HR	13B0710B	GEE	12.23	49.31	2.637	379009
G010YR24HR	13B0710B	GEE	12.23	90.33	4.839	695608
G025YR24HR	13B0710B	GEE	12.23	119.65	6.456	928007
G100YR24HR	13B0710B	GEE	12.23	171.20	9.361	1345691
G002YR24HR	13B0740B	GEE	12.10	4.49	1.866	24582
G010YR24HR	13B0740B	GEE	12.10	9.37	3.827	50426
G025YR24HR	13B0740B	GEE	12.07	13.04	5.328	70211
G100YR24HR	13B0740B	GEE	12.07	19.66	8.093	106642
G002YR24HR	13C0100B	GEE	12.29	13.73	2.368	110901
G010YR24HR	13C0100B	GEE	12.29	26.25	4.500	210701
G025YR24HR	13C0100B	GEE	12.29	35.32	6.083	284869
G100YR24HR	13C0100B	GEE	12.29	51.37	8.950	419091
G002YR24HR	13C0500B	GEE	12.07	9.60	2.823	51751
G010YR24HR	13C0500B	GEE	12.07	16.99	5.068	92908
G025YR24HR	13C0500B	GEE	12.07	22.21	6.704	122898
G100YR24HR	13C0500B	GEE	12.07	31.36	9.633	176585
G002YR24HR	13C0600B	GEE	12.07	25.48	3.666	143186
G010YR24HR	13C0600B	GEE	12.07	40.88	6.035	235728
G025YR24HR	13C0600B	GEE	12.07	51.68	7.724	301676
G100YR24HR	13C0600B	GEE	12.07	70.62	10.712	418385
G002YR24HR	13C0800B	GEE	12.07	2.06	2.728	11091
G010YR24HR	13C0800B	GEE	12.07	3.69	4.952	20134
G025YR24HR	13C0800B	GEE	12.07	4.86	6.579	26748
G100YR24HR	13C0800B	GEE	12.07	6.89	9.497	38611
G002YR24HR	13C1000B	GEE	12.07	13.74	3.622	76919
G010YR24HR	13C1000B	GEE	12.07	22.13	5.987	127147
G025YR24HR	13C1000B	GEE	12.07	28.02	7.674	162968
G100YR24HR	13C1000B	GEE	12.07	38.33	10.661	226383
G002YR24HR	13C1001B	GEE	12.07	5.85	2.731	31521
G010YR24HR	13C1001B	GEE	12.07	10.50	4.956	57204
G025YR24HR	13C1001B	GEE	12.07	13.79	6.583	75986
G100YR24HR	13C1001B	GEE	12.07	19.57	9.501	109672
G002YR24HR	13C1100B	GEE	12.07	17.22	3.632	96502
G010YR24HR	13C1100B	GEE	12.07	27.72	5.998	159375
G025YR24HR	13C1100B	GEE	12.07	35.08	7.685	204206
G100YR24HR	13C1100B	GEE	12.07	47.98	10.672	283567
G002YR24HR	13C1120B	GEE	12.16	40.78	2.917	270241
G010YR24HR	13C1120B	GEE	12.16	71.44	5.181	479993
G025YR24HR	13C1120B	GEE	12.16	93.10	6.826	632324
G100YR24HR	13C1120B	GEE	12.16	131.00	9.764	904527
G002YR24HR	13C1200B	GEE	12.07	8.95	3.622	50096
G010YR24HR	13C1200B	GEE	12.07	14.41	5.987	82809
G025YR24HR	13C1200B	GEE	12.07	18.25	7.674	106138

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13C1200B	GEE	12.07	24.96	10.661	147439
G002YR24HR	13C1201B	GEE	12.07	8.83	2.728	47531
G010YR24HR	13C1201B	GEE	12.07	15.84	4.952	86288
G025YR24HR	13C1201B	GEE	12.07	20.81	6.579	114633
G100YR24HR	13C1201B	GEE	12.07	29.53	9.497	165474
G002YR24HR	13C1300B	GEE	12.07	10.78	3.734	60990
G010YR24HR	13C1300B	GEE	12.07	17.20	6.109	99786
G025YR24HR	13C1300B	GEE	12.07	21.70	7.799	127403
G100YR24HR	13C1300B	GEE	12.07	29.61	10.790	176253
G002YR24HR	13C1301B	GEE	12.07	4.69	2.728	25251
G010YR24HR	13C1301B	GEE	12.07	8.41	4.952	45841
G025YR24HR	13C1301B	GEE	12.07	11.05	6.579	60899
G100YR24HR	13C1301B	GEE	12.07	15.69	9.497	87908
G002YR24HR	13C1350B	GEE	14.25	46.90	2.130	1202542
G010YR24HR	13C1350B	GEE	14.17	94.67	4.187	2363644
G025YR24HR	13C1350B	GEE	14.17	130.42	5.736	3237720
G100YR24HR	13C1350B	GEE	14.17	194.83	8.558	4831255
G002YR24HR	13C1370B	GEE	16.77	14.10	1.145	86252
G010YR24HR	13C1370B	GEE	16.77	37.65	2.755	207531
G025YR24HR	13C1370B	GEE	16.77	56.59	4.070	306550
G100YR24HR	13C1370B	GEE	16.77	92.17	6.587	496184
G002YR24HR	13C1400B	GEE	12.07	10.48	2.728	56443
G010YR24HR	13C1400B	GEE	12.07	18.80	4.952	102467
G025YR24HR	13C1400B	GEE	12.07	24.71	6.579	136127
G100YR24HR	13C1400B	GEE	12.07	35.06	9.497	196500
G002YR24HR	13C1700B	GEE	12.07	10.01	2.728	53868
G010YR24HR	13C1700B	GEE	12.07	17.95	4.952	97793
G025YR24HR	13C1700B	GEE	12.07	23.58	6.579	129917
G100YR24HR	13C1700B	GEE	12.07	33.46	9.497	187537
G002YR24HR	13C1800B	GEE	12.07	18.85	2.728	101499
G010YR24HR	13C1800B	GEE	12.07	33.81	4.952	184261
G025YR24HR	13C1800B	GEE	12.07	44.44	6.579	244789
G100YR24HR	13C1800B	GEE	12.07	63.05	9.497	353356
G002YR24HR	13C1801B	GEE	12.50	16.19	1.811	162955
G010YR24HR	13C1801B	GEE	12.50	34.70	3.749	337365
G025YR24HR	13C1801B	GEE	12.50	48.67	5.238	471389
G100YR24HR	13C1801B	GEE	12.50	73.95	7.987	718708
G002YR24HR	13C1802B	GEE	12.92	13.44	1.027	211842
G010YR24HR	13C1802B	GEE	12.83	38.39	2.563	528722
G025YR24HR	13C1802B	GEE	12.83	59.46	3.835	791174
G100YR24HR	13C1802B	GEE	12.83	99.93	6.294	1298318
G002YR24HR	13C1850B	GEE	13.00	28.19	3.219	423051
G010YR24HR	13C1850B	GEE	13.00	47.89	5.535	727272
G025YR24HR	13C1850B	GEE	13.00	61.76	7.200	946160
G100YR24HR	13C1850B	GEE	13.00	86.06	10.162	1335396
G002YR24HR	13C1851B	GEE	12.07	4.54	2.728	24459
G010YR24HR	13C1851B	GEE	12.07	8.15	4.952	44402
G025YR24HR	13C1851B	GEE	12.07	10.71	6.579	58988
G100YR24HR	13C1851B	GEE	12.07	15.19	9.497	85150
G002YR24HR	13C1900B	GEE	12.10	5.55	2.190	29974
G010YR24HR	13C1900B	GEE	12.07	10.85	4.268	58403
G025YR24HR	13C1900B	GEE	12.07	14.73	5.826	79732
G100YR24HR	13C1900B	GEE	12.07	21.64	8.662	118542
G002YR24HR	13C1901B	GEE	14.70	6.15	1.069	116381
G010YR24HR	13C1901B	GEE	14.62	17.14	2.632	286555
G025YR24HR	13C1901B	GEE	14.62	26.35	3.920	426758
G100YR24HR	13C1901B	GEE	14.53	44.04	6.401	696786
G002YR24HR	13C2200B	GEE	12.50	18.58	1.864	181477
G010YR24HR	13C2200B	GEE	12.50	39.18	3.825	372358
G025YR24HR	13C2200B	GEE	12.42	54.82	5.326	518512
G100YR24HR	13C2200B	GEE	12.42	83.13	8.090	787637
G002YR24HR	13C2220B	GEE	12.10	9.79	1.264	57981
G010YR24HR	13C2220B	GEE	12.10	24.69	2.942	134995
G025YR24HR	13C2220B	GEE	12.10	36.50	4.295	197055
G100YR24HR	13C2220B	GEE	12.07	58.52	6.864	314947
G002YR24HR	13C2240B	GEE	12.13	4.59	0.803	33045

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13C2240B	GEE	12.10	15.63	2.186	89898
G025YR24HR	13C2240B	GEE	12.10	25.06	3.369	138546
G100YR24HR	13C2240B	GEE	12.10	43.38	5.701	234475
G002YR24HR	13C2260B	GEE	12.10	15.78	1.362	91604
G010YR24HR	13C2260B	GEE	12.10	38.25	3.093	208075
G025YR24HR	13C2260B	GEE	12.10	55.84	4.475	301004
G100YR24HR	13C2260B	GEE	12.07	88.51	7.083	476453
G002YR24HR	13C2280B	GEE	12.27	74.72	1.544	592122
G010YR24HR	13C2280B	GEE	12.27	172.15	3.366	1291015
G025YR24HR	13C2280B	GEE	12.27	247.35	4.796	1839458
G100YR24HR	13C2280B	GEE	12.20	385.36	7.469	2864424
G002YR24HR	13C2400B	GEE	12.07	41.97	3.203	228678
G010YR24HR	13C2400B	GEE	12.07	70.67	5.516	393887
G025YR24HR	13C2400B	GEE	12.07	90.79	7.182	512817
G100YR24HR	13C2400B	GEE	12.07	125.98	10.145	724357
G002YR24HR	13C2401B	GEE	12.10	15.04	1.269	89021
G010YR24HR	13C2401B	GEE	12.10	37.86	2.951	206956
G025YR24HR	13C2401B	GEE	12.10	55.93	4.305	301935
G100YR24HR	13C2401B	GEE	12.07	89.61	6.877	482295
G002YR24HR	13C2402B	GEE	12.22	31.24	1.981	216582
G010YR24HR	13C2402B	GEE	12.17	64.43	3.986	435809
G025YR24HR	13C2402B	GEE	12.17	89.15	5.509	602368
G100YR24HR	13C2402B	GEE	12.17	133.48	8.302	907659
G002YR24HR	13D0170B	GEE	12.13	19.35	2.877	117695
G010YR24HR	13D0170B	GEE	12.13	33.98	5.133	209997
G025YR24HR	13D0170B	GEE	12.13	44.32	6.774	277126
G100YR24HR	13D0170B	GEE	12.13	62.43	9.708	397169
G002YR24HR	13D0310B	GEE	12.07	2.02	2.748	10873
G010YR24HR	13D0310B	GEE	12.07	3.61	4.977	19691
G025YR24HR	13D0310B	GEE	12.07	4.74	6.606	26136
G100YR24HR	13D0310B	GEE	12.07	6.72	9.526	37690
G002YR24HR	13D0330B	GEE	12.24	49.20	2.716	358671
G010YR24HR	13D0330B	GEE	12.24	88.56	4.937	652004
G025YR24HR	13D0330B	GEE	12.24	116.56	6.562	866627
G100YR24HR	13D0330B	GEE	12.18	165.83	9.478	1251680
G002YR24HR	13D0610B	GEE	12.18	26.85	2.728	188639
G010YR24HR	13D0610B	GEE	12.18	48.44	4.952	342456
G025YR24HR	13D0610B	GEE	12.18	63.80	6.579	454950
G100YR24HR	13D0610B	GEE	12.18	90.76	9.497	656725
G002YR24HR	13D0630B	GEE	12.07	6.84	2.728	36837
G010YR24HR	13D0630B	GEE	12.07	12.27	4.952	66873
G025YR24HR	13D0630B	GEE	12.07	16.13	6.579	88841
G100YR24HR	13D0630B	GEE	12.07	22.88	9.497	128242
G002YR24HR	13D0750B	GEE	12.07	8.94	2.728	48125
G010YR24HR	13D0750B	GEE	12.07	16.03	4.952	87367
G025YR24HR	13D0750B	GEE	12.07	21.07	6.579	116066
G100YR24HR	13D0750B	GEE	12.07	29.90	9.497	167542
G002YR24HR	13D0751B	GEE	12.16	38.21	2.851	253024
G010YR24HR	13D0751B	GEE	12.16	67.56	5.102	452800
G025YR24HR	13D0751B	GEE	12.16	88.34	6.740	598227
G100YR24HR	13D0751B	GEE	12.16	124.72	9.672	858417
G002YR24HR	13D0801B	GEE	12.42	34.18	2.522	320023
G010YR24HR	13D0801B	GEE	12.42	63.77	4.696	595735
G025YR24HR	13D0801B	GEE	12.42	85.06	6.299	799124
G100YR24HR	13D0801B	GEE	12.42	122.60	9.188	1165671
G002YR24HR	13D0802B	GEE	12.13	22.07	2.692	137303
G010YR24HR	13D0802B	GEE	12.13	39.87	4.908	250320
G025YR24HR	13D0802B	GEE	12.13	52.55	6.531	333091
G100YR24HR	13D0802B	GEE	12.13	74.78	9.444	481669
G002YR24HR	13F0400B	GEE	12.50	90.08	3.422	946914
G010YR24HR	13F0400B	GEE	12.50	148.93	5.766	1595214
G025YR24HR	13F0400B	GEE	12.50	190.21	7.443	2059372
G100YR24HR	13F0400B	GEE	12.50	262.43	10.419	2882690
G002YR24HR	13F0401B	GEE	13.50	9.34	2.991	178277
G010YR24HR	13F0401B	GEE	13.42	16.40	5.268	314003
G025YR24HR	13F0401B	GEE	13.42	21.42	6.918	412324
G100YR24HR	13F0401B	GEE	13.42	30.25	9.861	587780

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13F0410B	GEE	12.10	14.37	2.214	77632
G010YR24HR	13F0410B	GEE	12.07	27.99	4.299	150743
G025YR24HR	13F0410B	GEE	12.07	37.96	5.861	205523
G100YR24HR	13F0410B	GEE	12.07	55.64	8.701	305123
G002YR24HR	13F0420B	GEE	12.10	14.68	2.406	79054
G010YR24HR	13F0420B	GEE	12.07	27.67	4.549	149448
G025YR24HR	13F0420B	GEE	12.07	37.05	6.139	201666
G100YR24HR	13F0420B	GEE	12.07	53.60	9.012	296067
G002YR24HR	13F0430B	GEE	12.16	57.72	3.464	390286
G010YR24HR	13F0430B	GEE	12.16	94.62	5.813	654925
G025YR24HR	13F0430B	GEE	12.16	120.47	7.493	844233
G100YR24HR	13F0430B	GEE	12.16	165.71	10.472	1179879
G002YR24HR	13F0440B	GEE	12.07	1.93	4.343	11982
G010YR24HR	13F0440B	GEE	12.07	2.99	6.744	18606
G025YR24HR	13F0440B	GEE	12.07	3.74	8.445	23297
G100YR24HR	13F0440B	GEE	12.07	5.06	11.446	31577
G002YR24HR	13F0450B	GEE	12.75	10.83	2.776	137033
G010YR24HR	13F0450B	GEE	12.75	19.50	5.010	247330
G025YR24HR	13F0450B	GEE	12.75	25.69	6.641	327840
G100YR24HR	13F0450B	GEE	12.75	36.56	9.563	472100
G002YR24HR	13F0750B	GEE	12.10	4.29	1.284	25310
G010YR24HR	13F0750B	GEE	12.10	10.73	2.974	58616
G025YR24HR	13F0750B	GEE	12.10	15.82	4.333	85398
G100YR24HR	13F0750B	GEE	12.07	25.31	6.910	136208
G002YR24HR	13F0760B	GEE	12.10	3.50	1.088	21806
G010YR24HR	13F0760B	GEE	12.10	9.64	2.664	53377
G025YR24HR	13F0760B	GEE	12.10	14.61	3.959	79328
G100YR24HR	13F0760B	GEE	12.10	24.01	6.450	129237
G002YR24HR	13F0770B	GEE	12.75	3.55	0.942	49314
G010YR24HR	13F0770B	GEE	12.67	10.66	2.422	126776
G025YR24HR	13F0770B	GEE	12.67	16.73	3.662	191666
G100YR24HR	13F0770B	GEE	12.67	28.43	6.074	317950
G002YR24HR	13F1000B	GEE	12.37	20.41	1.355	180376
G010YR24HR	13F1000B	GEE	12.37	49.83	3.082	410369
G025YR24HR	13F1000B	GEE	12.29	73.37	4.461	593990
G100YR24HR	13F1000B	GEE	12.29	117.24	7.066	940804
G002YR24HR	13F1001B	GEE	12.33	8.46	1.380	69790
G010YR24HR	13F1001B	GEE	12.26	20.51	3.121	157819
G025YR24HR	13F1001B	GEE	12.26	30.07	4.508	227927
G100YR24HR	13F1001B	GEE	12.26	47.79	7.122	360144
G002YR24HR	13F1110B	GEE	12.37	0.38	0.315	5084
G010YR24HR	13F1110B	GEE	12.13	2.80	1.247	20091
G025YR24HR	13F1110B	GEE	12.10	5.59	2.146	34589
G100YR24HR	13F1110B	GEE	12.10	11.58	4.053	65324
G002YR24HR	13F1120B	GEE	12.30	1.02	0.645	8407
G010YR24HR	13F1120B	GEE	12.10	4.15	1.902	24788
G025YR24HR	13F1120B	GEE	12.10	6.96	3.009	39215
G100YR24HR	13F1120B	GEE	12.10	12.53	5.231	68175
G002YR24HR	13F1130B	GEE	12.58	3.03	0.726	39396
G010YR24HR	13F1130B	GEE	12.50	10.71	2.049	111131
G025YR24HR	13F1130B	GEE	12.50	17.60	3.196	173325
G100YR24HR	13F1130B	GEE	12.50	31.20	5.476	296969
G002YR24HR	13F1150B	GEE	12.50	6.15	1.254	60849
G010YR24HR	13F1150B	GEE	12.42	15.77	2.925	141983
G025YR24HR	13F1150B	GEE	12.42	23.45	4.274	207420
G100YR24HR	13F1150B	GEE	12.33	37.82	6.836	331794
G002YR24HR	13F1154B	GEE	12.92	0.93	0.413	18393
G010YR24HR	13F1154B	GEE	12.67	4.97	1.453	64681
G025YR24HR	13F1154B	GEE	12.67	9.14	2.424	107870
G100YR24HR	13F1154B	GEE	12.58	18.07	4.441	197620
G002YR24HR	13F1158B	GEE	12.42	1.32	0.539	15079
G010YR24HR	13F1158B	GEE	12.30	5.79	1.704	47619
G025YR24HR	13F1158B	GEE	12.24	10.06	2.753	76951
G100YR24HR	13F1158B	GEE	12.24	18.87	4.890	136672
G002YR24HR	13F1170B	GEE	12.23	5.08	0.939	39542
G010YR24HR	13F1170B	GEE	12.18	15.37	2.418	101809

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13F1170B	GEE	12.13	24.02	3.657	154002
G100YR24HR	13F1170B	GEE	12.13	40.83	6.070	255610
G002YR24HR	13F1300B	GEE	12.07	11.97	2.887	64560
G010YR24HR	13F1300B	GEE	12.07	20.98	5.145	115057
G025YR24HR	13F1300B	GEE	12.07	27.35	6.787	151769
G100YR24HR	13F1300B	GEE	12.07	38.48	9.723	217406
G002YR24HR	13F1301B	GEE	12.10	2.27	1.137	13952
G010YR24HR	13F1301B	GEE	12.10	6.10	2.743	33650
G025YR24HR	13F1301B	GEE	12.10	9.18	4.054	49746
G100YR24HR	13F1301B	GEE	12.10	14.97	6.568	80591
G002YR24HR	13F1320B	GEE	12.07	5.21	2.728	28023
G010YR24HR	13F1320B	GEE	12.07	9.34	4.952	50874
G025YR24HR	13F1320B	GEE	12.07	12.27	6.579	67586
G100YR24HR	13F1320B	GEE	12.07	17.41	9.497	97561
G002YR24HR	13F1324B	GEE	12.67	15.17	1.765	170776
G010YR24HR	13F1324B	GEE	12.58	33.03	3.684	356544
G025YR24HR	13F1324B	GEE	12.58	46.62	5.164	499782
G100YR24HR	13F1324B	GEE	12.58	71.29	7.901	764642
G002YR24HR	13F1340B	GEE	12.17	12.56	2.495	85127
G010YR24HR	13F1340B	GEE	12.17	23.49	4.662	159071
G025YR24HR	13F1340B	GEE	12.17	31.35	6.263	213692
G100YR24HR	13F1340B	GEE	12.17	45.20	9.150	312204
G002YR24HR	13F1360B	GEE	12.07	7.67	2.728	41293
G010YR24HR	13F1360B	GEE	12.07	13.76	4.952	74963
G025YR24HR	13F1360B	GEE	12.07	18.08	6.579	99587
G100YR24HR	13F1360B	GEE	12.07	25.65	9.497	143756
G002YR24HR	13F1374B	GEE	12.16	11.06	1.875	73990
G010YR24HR	13F1374B	GEE	12.16	23.30	3.840	151512
G025YR24HR	13F1374B	GEE	12.16	32.47	5.343	210821
G100YR24HR	13F1374B	GEE	12.16	48.97	8.109	319980
G002YR24HR	13F1378B	GEE	12.40	6.14	0.862	59370
G010YR24HR	13F1378B	GEE	12.33	19.39	2.287	157497
G025YR24HR	13F1378B	GEE	12.26	30.76	3.495	240682
G100YR24HR	13F1378B	GEE	12.26	53.10	5.863	403766
G002YR24HR	13F1380B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13F1380B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13F1380B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13F1380B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13F1400B	GEE	12.24	11.95	2.724	87119
G010YR24HR	13F1400B	GEE	12.24	21.48	4.947	158213
G025YR24HR	13F1400B	GEE	12.24	28.26	6.573	210214
G100YR24HR	13F1400B	GEE	12.18	40.19	9.490	303492
G002YR24HR	13F1404B	GEE	12.07	8.04	2.793	43287
G010YR24HR	13F1404B	GEE	12.07	14.28	5.031	77986
G025YR24HR	13F1404B	GEE	12.07	18.70	6.664	103300
G100YR24HR	13F1404B	GEE	12.07	26.44	9.590	148643
G002YR24HR	13F1420B	GEE	12.07	3.83	2.652	20603
G010YR24HR	13F1420B	GEE	12.07	6.94	4.859	37746
G025YR24HR	13F1420B	GEE	12.07	9.16	6.478	50322
G100YR24HR	13F1420B	GEE	12.07	13.06	9.387	72916
G002YR24HR	13F1440B	GEE	12.07	7.39	3.008	39966
G010YR24HR	13F1440B	GEE	12.07	12.74	5.290	70276
G025YR24HR	13F1440B	GEE	12.07	16.51	6.941	92221
G100YR24HR	13F1440B	GEE	12.07	23.10	9.888	131374
G002YR24HR	13F1500B	GEE	12.10	10.16	1.446	58144
G010YR24HR	13F1500B	GEE	12.10	23.89	3.220	129515
G025YR24HR	13F1500B	GEE	12.10	34.54	4.625	186012
G100YR24HR	13F1500B	GEE	12.07	54.24	7.264	292159
G002YR24HR	13G0400B	GEE	12.07	3.58	3.108	19408
G010YR24HR	13G0400B	GEE	12.07	6.09	5.407	33761
G025YR24HR	13G0400B	GEE	12.07	7.86	7.067	44121
G100YR24HR	13G0400B	GEE	12.07	10.94	10.022	62573
G002YR24HR	13G0500B	GEE	12.07	4.71	3.071	25525
G010YR24HR	13G0500B	GEE	12.07	8.06	5.363	44581
G025YR24HR	13G0500B	GEE	12.07	10.41	7.020	58352
G100YR24HR	13G0500B	GEE	12.07	14.53	9.972	82894

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13G0501B	GEE	12.50	17.73	3.018	177925
G010YR24HR	13G0501B	GEE	12.50	30.74	5.299	312405
G025YR24HR	13G0501B	GEE	12.50	39.91	6.950	409733
G100YR24HR	13G0501B	GEE	12.50	55.98	9.895	583332
G002YR24HR	13G0600B	GEE	12.07	8.99	2.885	48493
G010YR24HR	13G0600B	GEE	12.07	15.76	5.143	86442
G025YR24HR	13G0600B	GEE	12.07	20.55	6.785	114032
G100YR24HR	13G0600B	GEE	12.07	28.92	9.720	163364
G002YR24HR	13G1200B	GEE	12.07	88.23	3.652	495275
G010YR24HR	13G1200B	GEE	12.07	141.75	6.020	816422
G025YR24HR	13G1200B	GEE	12.07	179.27	7.708	1045333
G100YR24HR	13G1200B	GEE	12.07	245.06	10.695	1450488
G002YR24HR	13G1201B	GEE	12.22	5.08	1.555	36635
G010YR24HR	13G1201B	GEE	12.17	11.63	3.383	79691
G025YR24HR	13G1201B	GEE	12.17	16.74	4.815	113446
G100YR24HR	13G1201B	GEE	12.17	26.12	7.492	176494
G002YR24HR	13G1202B	GEE	12.07	44.91	2.752	241811
G010YR24HR	13G1202B	GEE	12.07	80.27	4.981	437758
G025YR24HR	13G1202B	GEE	12.07	105.35	6.610	580930
G100YR24HR	13G1202B	GEE	12.07	149.29	9.531	837603
G002YR24HR	13G2200B	GEE	12.24	8.62	3.035	63125
G010YR24HR	13G2200B	GEE	12.24	14.84	5.321	110667
G025YR24HR	13G2200B	GEE	12.18	19.24	6.974	145059
G100YR24HR	13G2200B	GEE	12.18	26.96	9.923	206389
G002YR24HR	13G2201B	GEE	12.24	17.21	1.821	129842
G010YR24HR	13G2201B	GEE	12.24	36.72	3.765	268384
G025YR24HR	13G2201B	GEE	12.24	51.41	5.257	374778
G100YR24HR	13G2201B	GEE	12.24	77.91	8.010	571036
G002YR24HR	13H0100B	GEE	12.10	54.31	1.759	299893
G010YR24HR	13H0100B	GEE	12.10	116.39	3.677	626871
G025YR24HR	13H0100B	GEE	12.07	163.33	5.157	879113
G100YR24HR	13H0100B	GEE	12.07	248.64	7.894	1345665
G002YR24HR	13H0101B	GEE	12.16	19.76	2.533	128350
G010YR24HR	13H0101B	GEE	12.16	36.58	4.709	238648
G025YR24HR	13H0101B	GEE	12.16	48.65	6.314	319980
G100YR24HR	13H0101B	GEE	12.16	69.88	9.206	466521
G002YR24HR	13H0150B	GEE	12.10	19.07	2.308	102795
G010YR24HR	13H0150B	GEE	12.07	36.53	4.422	196956
G025YR24HR	13H0150B	GEE	12.07	49.23	5.998	267154
G100YR24HR	13H0150B	GEE	12.07	71.68	8.855	394417
G002YR24HR	13H0200B	GEE	12.10	44.50	2.071	241381
G010YR24HR	13H0200B	GEE	12.07	88.97	4.108	478843
G025YR24HR	13H0200B	GEE	12.07	121.93	5.647	658248
G100YR24HR	13H0200B	GEE	12.07	180.68	8.459	986007
G002YR24HR	13H0220B	GEE	12.07	5.33	3.617	29803
G010YR24HR	13H0220B	GEE	12.07	8.58	5.982	49290
G025YR24HR	13H0220B	GEE	12.07	10.87	7.668	63188
G100YR24HR	13H0220B	GEE	12.07	14.87	10.654	87793
G002YR24HR	13H0240B	GEE	12.07	16.28	3.609	91061
G010YR24HR	13H0240B	GEE	12.07	26.26	5.974	150703
G025YR24HR	13H0240B	GEE	12.07	33.25	7.660	193247
G100YR24HR	13H0240B	GEE	12.07	45.51	10.646	268573
G002YR24HR	13H0300B	GEE	12.07	49.80	3.396	274187
G010YR24HR	13H0300B	GEE	12.07	82.05	5.737	463146
G025YR24HR	13H0300B	GEE	12.07	104.63	7.414	598515
G100YR24HR	13H0300B	GEE	12.07	144.13	10.389	838706
G002YR24HR	13H0320B	GEE	12.07	7.61	3.624	42626
G010YR24HR	13H0320B	GEE	12.07	12.26	5.990	70447
G025YR24HR	13H0320B	GEE	12.07	15.52	7.677	90287
G100YR24HR	13H0320B	GEE	12.07	21.23	10.663	125411
G002YR24HR	13H0340B	GEE	12.07	6.21	3.808	35385
G010YR24HR	13H0340B	GEE	12.07	9.84	6.188	57507
G025YR24HR	13H0340B	GEE	12.07	12.40	7.881	73238
G100YR24HR	13H0340B	GEE	12.07	16.88	10.874	101051
G002YR24HR	13H0350B	GEE	12.10	15.85	2.140	85770
G010YR24HR	13H0350B	GEE	12.07	31.27	4.201	168361
G025YR24HR	13H0350B	GEE	12.07	42.64	5.752	230503

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13H0350B	GEE	12.07	62.85	8.578	343762
G002YR24HR	13I0300B	GEE	12.33	21.92	3.533	190332
G010YR24HR	13I0300B	GEE	12.33	35.72	5.888	317164
G025YR24HR	13I0300B	GEE	12.33	45.39	7.569	407757
G100YR24HR	13I0300B	GEE	12.33	62.33	10.549	568264
G002YR24HR	13I0600B	GEE	12.07	205.88	2.948	1112110
G010YR24HR	13I0600B	GEE	12.07	358.00	5.218	1968555
G025YR24HR	13I0600B	GEE	12.07	465.23	6.865	2589894
G100YR24HR	13I0600B	GEE	12.07	652.76	9.806	3699560
G002YR24HR	13I0610B	GEE	12.10	6.56	1.884	35913
G010YR24HR	13I0610B	GEE	12.10	13.64	3.853	73430
G025YR24HR	13I0610B	GEE	12.07	18.96	5.358	102116
G100YR24HR	13I0610B	GEE	12.07	28.54	8.128	154894
G002YR24HR	13I0620B	GEE	12.50	8.39	0.980	89725
G010YR24HR	13I0620B	GEE	12.42	24.55	2.485	227563
G025YR24HR	13I0620B	GEE	12.42	38.15	3.739	342437
G100YR24HR	13I0620B	GEE	12.42	64.20	6.172	565269
G002YR24HR	13I0630B	GEE	12.75	49.26	3.053	606983
G010YR24HR	13I0630B	GEE	12.75	85.14	5.340	1061677
G025YR24HR	13I0630B	GEE	12.75	110.47	6.993	1390390
G100YR24HR	13I0630B	GEE	12.75	154.85	9.941	1976358
G002YR24HR	13I0631B	GEE	13.04	27.10	2.439	208725
G010YR24HR	13I0631B	GEE	12.97	51.16	4.590	392861
G025YR24HR	13I0631B	GEE	12.97	68.59	6.183	529235
G100YR24HR	13I0631B	GEE	12.97	99.38	9.061	775553
G002YR24HR	13I0640B	GEE	12.39	17.63	1.221	157817
G010YR24HR	13I0640B	GEE	12.32	45.58	2.875	371573
G025YR24HR	13I0640B	GEE	12.32	68.12	4.214	544596
G100YR24HR	13I0640B	GEE	12.32	110.39	6.765	874190
G002YR24HR	13I0660B	GEE	12.07	35.31	2.642	190052
G010YR24HR	13I0660B	GEE	12.07	64.16	4.846	348638
G025YR24HR	13I0660B	GEE	12.07	84.72	6.464	465027
G100YR24HR	13I0660B	GEE	12.07	120.80	9.371	674191
G002YR24HR	13I0900B	GEE	12.10	8.06	1.268	47688
G010YR24HR	13I0900B	GEE	12.10	20.29	2.949	110902
G025YR24HR	13I0900B	GEE	12.10	29.97	4.303	161818
G100YR24HR	13I0900B	GEE	12.07	48.03	6.874	258513
G002YR24HR	13I1000B	GEE	12.10	18.42	2.076	99908
G010YR24HR	13I1000B	GEE	12.07	36.80	4.115	198049
G025YR24HR	13I1000B	GEE	12.07	50.41	5.655	272174
G100YR24HR	13I1000B	GEE	12.07	74.67	8.467	407572
G002YR24HR	13I1200B	GEE	12.33	85.19	2.485	715523
G010YR24HR	13I1200B	GEE	12.33	159.56	4.649	1338687
G025YR24HR	13I1200B	GEE	12.33	213.11	6.249	1799212
G100YR24HR	13I1200B	GEE	12.33	307.57	9.134	2630002
G002YR24HR	13I1201B	GEE	12.50	53.90	2.618	516682
G010YR24HR	13I1201B	GEE	12.42	98.96	4.816	950416
G025YR24HR	13I1201B	GEE	12.42	131.36	6.430	1269041
G100YR24HR	13I1201B	GEE	12.42	188.41	9.333	1841942
G002YR24HR	13I1220B	GEE	12.42	17.56	2.472	158086
G010YR24HR	13I1220B	GEE	12.42	32.90	4.630	296131
G025YR24HR	13I1220B	GEE	12.42	43.95	6.226	398193
G100YR24HR	13I1220B	GEE	12.33	63.54	9.105	582360
G002YR24HR	13I1300B	GEE	12.10	11.29	2.066	61276
G010YR24HR	13I1300B	GEE	12.07	22.60	4.102	121646
G025YR24HR	13I1300B	GEE	12.07	30.99	5.640	167270
G100YR24HR	13I1300B	GEE	12.07	45.93	8.451	250634
G002YR24HR	13I1500B	GEE	12.58	6.80	3.190	75510
G010YR24HR	13I1500B	GEE	12.58	11.55	5.500	130171
G025YR24HR	13I1500B	GEE	12.58	14.90	7.163	169529
G100YR24HR	13I1500B	GEE	12.58	20.75	10.121	239544
G002YR24HR	13I1501B	GEE	12.42	104.09	2.783	923917
G010YR24HR	13I1501B	GEE	12.33	186.35	5.016	1665607
G025YR24HR	13I1501B	GEE	12.33	245.05	6.646	2206794
G100YR24HR	13I1501B	GEE	12.33	348.03	9.566	3176292
G002YR24HR	13I1502B	GEE	12.07	1.05	3.301	5753

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13I1502B	GEE	12.07	1.75	5.630	9809
G025YR24HR	13I1502B	GEE	12.07	2.24	7.301	12722
G100YR24HR	13I1502B	GEE	12.07	3.09	10.271	17896
G002YR24HR	13I1504B	GEE	12.07	2.19	3.301	11984
G010YR24HR	13I1504B	GEE	12.07	3.64	5.630	20436
G025YR24HR	13I1504B	GEE	12.07	4.66	7.301	26504
G100YR24HR	13I1504B	GEE	12.07	6.45	10.271	37283
G002YR24HR	13I1510B	GEE	12.67	17.61	2.394	196503
G010YR24HR	13I1510B	GEE	12.58	33.60	4.532	371931
G025YR24HR	13I1510B	GEE	12.58	45.25	6.118	502123
G100YR24HR	13I1510B	GEE	12.58	65.87	8.986	737545
G002YR24HR	13I1512B	GEE	12.67	2.41	2.394	26855
G010YR24HR	13I1512B	GEE	12.58	4.59	4.532	50830
G025YR24HR	13I1512B	GEE	12.58	6.18	6.118	68623
G100YR24HR	13I1512B	GEE	12.58	9.00	8.986	100797
G002YR24HR	13I1514B	GEE	12.33	93.75	3.063	809770
G010YR24HR	13I1514B	GEE	12.33	161.48	5.352	1414892
G025YR24HR	13I1514B	GEE	12.33	209.20	7.006	1852222
G100YR24HR	13I1514B	GEE	12.33	292.69	9.954	2631690
G002YR24HR	13I1540B	GEE	12.10	23.37	2.211	126227
G010YR24HR	13I1540B	GEE	12.07	45.53	4.295	245218
G025YR24HR	13I1540B	GEE	12.07	61.77	5.856	334392
G100YR24HR	13I1540B	GEE	12.07	90.56	8.696	496542
G002YR24HR	13I1560B	GEE	12.07	39.22	2.759	211186
G010YR24HR	13I1560B	GEE	12.07	70.02	4.990	382000
G025YR24HR	13I1560B	GEE	12.07	91.87	6.620	506774
G100YR24HR	13I1560B	GEE	12.07	130.14	9.541	730430
G002YR24HR	13J0300B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13J0300B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13J0300B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13J0300B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13J0320B	GEE	12.07	1.34	2.728	7229
G010YR24HR	13J0320B	GEE	12.07	2.41	4.952	13123
G025YR24HR	13J0320B	GEE	12.07	3.16	6.579	17434
G100YR24HR	13J0320B	GEE	12.07	4.49	9.497	25166
G002YR24HR	13J0340B	GEE	12.07	5.79	2.728	31192
G010YR24HR	13J0340B	GEE	12.07	10.39	4.952	56627
G025YR24HR	13J0340B	GEE	12.07	13.66	6.579	75228
G100YR24HR	13J0340B	GEE	12.07	19.38	9.497	108592
G002YR24HR	13J0341B	GEE	12.13	20.16	2.727	125438
G010YR24HR	13J0341B	GEE	12.13	36.23	4.951	227725
G025YR24HR	13J0341B	GEE	12.13	47.66	6.578	302533
G100YR24HR	13J0341B	GEE	12.13	67.69	9.495	436713
G002YR24HR	13J0401B	GEE	13.08	8.35	1.441	135605
G010YR24HR	13J0401B	GEE	13.00	20.01	3.213	302319
G025YR24HR	13J0401B	GEE	13.00	29.28	4.616	434331
G100YR24HR	13J0401B	GEE	13.00	46.52	7.253	682414
G002YR24HR	13J0402B	GEE	12.85	6.10	1.942	33280
G010YR24HR	13J0402B	GEE	12.85	12.52	3.933	67388
G025YR24HR	13J0402B	GEE	12.82	17.33	5.449	93368
G100YR24HR	13J0402B	GEE	12.82	25.95	8.233	141056
G002YR24HR	13J0600B	GEE	12.07	8.42	2.728	45353
G010YR24HR	13J0600B	GEE	12.07	15.11	4.952	82333
G025YR24HR	13J0600B	GEE	12.07	19.86	6.579	109379
G100YR24HR	13J0600B	GEE	12.07	28.17	9.497	157890
G002YR24HR	13J0640B	GEE	12.07	4.25	2.728	22874
G010YR24HR	13J0640B	GEE	12.07	7.62	4.952	41526
G025YR24HR	13J0640B	GEE	12.07	10.01	6.579	55167
G100YR24HR	13J0640B	GEE	12.07	14.21	9.497	79634
G002YR24HR	13J0800B	GEE	12.07	7.63	2.728	41095
G010YR24HR	13J0800B	GEE	12.07	13.69	4.952	74603
G025YR24HR	13J0800B	GEE	12.07	17.99	6.579	99110
G100YR24HR	13J0800B	GEE	12.07	25.53	9.497	143066
G002YR24HR	13J1000B	GEE	12.75	8.58	1.724	109814
G010YR24HR	13J1000B	GEE	12.75	18.91	3.626	230974
G025YR24HR	13J1000B	GEE	12.75	26.80	5.096	324676
G100YR24HR	13J1000B	GEE	12.75	41.15	7.821	498251

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13J1300B	GEE	12.42	6.29	2.616	58019
G010YR24HR	13J1300B	GEE	12.42	11.55	4.812	106724
G025YR24HR	13J1300B	GEE	12.42	15.31	6.425	142503
G100YR24HR	13J1300B	GEE	12.42	21.93	9.326	206835
G002YR24HR	13J1800B	GEE	12.19	23.94	2.330	166172
G010YR24HR	13J1800B	GEE	12.19	45.99	4.450	317408
G025YR24HR	13J1800B	GEE	12.19	61.99	6.029	430026
G100YR24HR	13J1800B	GEE	12.19	90.30	8.889	634060
G002YR24HR	13J1820B	GEE	12.10	1.41	2.273	7591
G010YR24HR	13J1820B	GEE	12.07	2.71	4.377	14616
G025YR24HR	13J1820B	GEE	12.07	3.66	5.948	19863
G100YR24HR	13J1820B	GEE	12.07	5.35	8.799	29384
G002YR24HR	13J1821B	GEE	12.33	7.39	2.924	61889
G010YR24HR	13J1821B	GEE	12.33	12.94	5.190	109833
G025YR24HR	13J1821B	GEE	12.33	16.87	6.835	144643
G100YR24HR	13J1821B	GEE	12.33	23.75	9.774	206837
G002YR24HR	13J1822B	GEE	12.67	10.40	1.668	117061
G010YR24HR	13J1822B	GEE	12.58	23.24	3.547	248888
G025YR24HR	13J1822B	GEE	12.58	33.08	5.006	351285
G100YR24HR	13J1822B	GEE	12.58	51.05	7.717	541468
G002YR24HR	13J1900B	GEE	12.07	7.95	3.572	44344
G010YR24HR	13J1900B	GEE	12.07	12.87	5.932	73647
G025YR24HR	13J1900B	GEE	12.07	16.32	7.617	94564
G100YR24HR	13J1900B	GEE	12.07	22.36	10.601	131611
G002YR24HR	13J2200B	GEE	12.25	112.02	2.987	873807
G010YR24HR	13J2200B	GEE	12.25	194.87	5.265	1539901
G025YR24HR	13J2200B	GEE	12.25	253.35	6.914	2022501
G100YR24HR	13J2200B	GEE	12.25	355.67	9.859	2883782
G002YR24HR	13J2220B	GEE	12.67	35.49	2.704	405042
G010YR24HR	13J2220B	GEE	12.67	64.35	4.922	737225
G025YR24HR	13J2220B	GEE	12.67	84.96	6.546	980376
G100YR24HR	13J2220B	GEE	12.58	121.29	9.459	1416711
G002YR24HR	13J2221B	GEE	12.07	12.32	3.516	68406
G010YR24HR	13J2221B	GEE	12.07	20.05	5.870	114217
G025YR24HR	13J2221B	GEE	12.07	25.47	7.553	146953
G100YR24HR	13J2221B	GEE	12.07	34.95	10.534	204964
G002YR24HR	13J2222B	GEE	12.07	19.44	3.448	107399
G010YR24HR	13J2222B	GEE	12.07	31.85	5.795	180494
G025YR24HR	13J2222B	GEE	12.07	40.55	7.475	232799
G100YR24HR	13J2222B	GEE	12.07	55.76	10.453	325552
G002YR24HR	13J2231B	GEE	12.07	1.50	3.601	8366
G010YR24HR	13J2231B	GEE	12.07	2.42	5.964	13856
G025YR24HR	13J2231B	GEE	12.07	3.06	7.650	17773
G100YR24HR	13J2231B	GEE	12.07	4.19	10.636	24709
G002YR24HR	13J2232B	GEE	12.50	32.97	3.403	331207
G010YR24HR	13J2232B	GEE	12.50	54.50	5.742	558808
G025YR24HR	13J2232B	GEE	12.50	69.59	7.417	721818
G100YR24HR	13J2232B	GEE	12.50	96.01	10.388	1011011
G002YR24HR	13J2233B	GEE	12.83	18.73	3.163	254206
G010YR24HR	13J2233B	GEE	12.83	32.02	5.470	439611
G025YR24HR	13J2233B	GEE	12.83	41.39	7.132	573221
G100YR24HR	13J2233B	GEE	12.83	57.79	10.091	811005
G002YR24HR	13J2234B	GEE	12.42	12.90	2.467	119261
G010YR24HR	13J2234B	GEE	12.42	24.25	4.624	223579
G025YR24HR	13J2234B	GEE	12.42	32.45	6.220	300727
G100YR24HR	13J2234B	GEE	12.42	46.91	9.099	439959
G002YR24HR	13K0250B	GEE	12.07	7.90	3.763	44804
G010YR24HR	13K0250B	GEE	12.07	12.57	6.140	73109
G025YR24HR	13K0250B	GEE	12.07	15.85	7.832	93250
G100YR24HR	13K0250B	GEE	12.07	21.60	10.823	128867
G002YR24HR	13K0400B	GEE	12.07	10.37	3.759	58805
G010YR24HR	13K0400B	GEE	12.07	16.51	6.136	95994
G025YR24HR	13K0400B	GEE	12.07	20.82	7.827	122457
G100YR24HR	13K0400B	GEE	12.07	28.38	10.818	169257
G002YR24HR	13K0550B	GEE	12.07	10.22	3.612	57160
G010YR24HR	13K0550B	GEE	12.07	16.48	5.976	94579

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13K0550B	GEE	12.07	20.86	7.662	121269
G100YR24HR	13K0550B	GEE	12.07	28.55	10.648	168526
G002YR24HR	13K0751B	GEE	12.07	45.72	2.851	246504
G010YR24HR	13K0751B	GEE	12.07	80.57	5.102	441133
G025YR24HR	13K0751B	GEE	12.07	105.20	6.740	582812
G100YR24HR	13K0751B	GEE	12.07	148.31	9.672	836299
G002YR24HR	13K0752B	GEE	12.07	13.93	3.508	77306
G010YR24HR	13K0752B	GEE	12.07	22.69	5.862	129168
G025YR24HR	13K0752B	GEE	12.07	28.83	7.544	166233
G100YR24HR	13K0752B	GEE	12.07	39.57	10.526	231920
G002YR24HR	13K0900B	GEE	12.07	16.25	3.338	89177
G010YR24HR	13K0900B	GEE	12.07	26.95	5.671	151509
G025YR24HR	13K0900B	GEE	12.07	34.44	7.345	196224
G100YR24HR	13K0900B	GEE	12.07	47.54	10.316	275619
G002YR24HR	13K1150B	GEE	12.07	17.48	2.746	94100
G010YR24HR	13K1150B	GEE	12.07	31.26	4.975	170463
G025YR24HR	13K1150B	GEE	12.07	41.04	6.603	226270
G100YR24HR	13K1150B	GEE	12.07	58.18	9.523	326330
G002YR24HR	13K1300B	GEE	12.20	18.89	2.594	135295
G010YR24HR	13K1300B	GEE	12.20	34.78	4.785	249626
G025YR24HR	13K1300B	GEE	12.20	46.16	6.397	333704
G100YR24HR	13K1300B	GEE	12.20	66.17	9.297	484966
G002YR24HR	13K1500B	GEE	12.07	9.62	2.728	51789
G010YR24HR	13K1500B	GEE	12.07	17.25	4.952	94018
G025YR24HR	13K1500B	GEE	12.07	22.67	6.579	124902
G100YR24HR	13K1500B	GEE	12.07	32.17	9.497	180298
G002YR24HR	13K1600B	GEE	12.10	14.42	2.160	77999
G010YR24HR	13K1600B	GEE	12.07	28.36	4.227	152667
G025YR24HR	13K1600B	GEE	12.07	38.61	5.781	208786
G100YR24HR	13K1600B	GEE	12.07	56.82	8.611	311000
G002YR24HR	13K1650B	GEE	12.07	13.20	3.300	72244
G010YR24HR	13K1650B	GEE	12.07	21.97	5.628	123201
G025YR24HR	13K1650B	GEE	12.07	28.11	7.300	159790
G100YR24HR	13K1650B	GEE	12.07	38.86	10.269	224786
G002YR24HR	13K1900B	GEE	12.42	31.27	1.468	283451
G010YR24HR	13K1900B	GEE	12.33	73.66	3.253	628246
G025YR24HR	13K1900B	GEE	12.33	107.04	4.664	900627
G100YR24HR	13K1900B	GEE	12.33	168.63	7.310	1411750
G002YR24HR	13K2200B	GEE	12.07	96.39	2.769	519135
G010YR24HR	13K2200B	GEE	12.07	171.86	5.002	937889
G025YR24HR	13K2200B	GEE	12.07	225.35	6.633	1243654
G100YR24HR	13K2200B	GEE	12.07	319.05	9.556	1791616
G002YR24HR	13K2240B	GEE	12.07	23.68	3.661	133011
G010YR24HR	13K2240B	GEE	12.07	38.01	6.029	219085
G025YR24HR	13K2240B	GEE	12.07	48.06	7.718	280430
G100YR24HR	13K2240B	GEE	12.07	65.68	10.705	388996
G002YR24HR	13K2280B	GEE	12.37	11.26	0.939	101753
G010YR24HR	13K2280B	GEE	12.31	33.74	2.417	262002
G025YR24HR	13K2280B	GEE	12.24	52.85	3.656	396328
G100YR24HR	13K2280B	GEE	12.24	89.75	6.069	657837
G002YR24HR	13K3050B	GEE	12.07	34.96	2.724	188190
G010YR24HR	13K3050B	GEE	12.07	62.73	4.948	341790
G025YR24HR	13K3050B	GEE	12.07	82.45	6.574	454140
G100YR24HR	13K3050B	GEE	12.07	117.02	9.492	655673
G002YR24HR	13K3200B	GEE	12.42	34.17	3.767	323812
G010YR24HR	13K3200B	GEE	12.33	54.52	6.141	527911
G025YR24HR	13K3200B	GEE	12.33	68.82	7.831	673121
G100YR24HR	13K3200B	GEE	12.33	93.92	10.818	929901
G002YR24HR	13K4050B	GEE	12.10	35.09	2.073	190331
G010YR24HR	13K4050B	GEE	12.07	70.13	4.111	377433
G025YR24HR	13K4050B	GEE	12.07	96.09	5.651	518770
G100YR24HR	13K4050B	GEE	12.07	142.36	8.463	776960
G002YR24HR	13K4200B	GEE	12.13	19.98	1.635	127791
G010YR24HR	13K4200B	GEE	12.13	44.77	3.499	273499
G025YR24HR	13K4200B	GEE	12.13	63.71	4.952	386982
G100YR24HR	13K4200B	GEE	12.13	98.21	7.653	598095

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13K4400B	GEE	12.07	24.63	3.563	137225
G010YR24HR	13K4400B	GEE	12.07	39.90	5.922	228099
G025YR24HR	13K4400B	GEE	12.07	50.60	7.607	292976
G100YR24HR	13K4400B	GEE	12.07	69.33	10.591	407892
G002YR24HR	13L0020B	GEE	12.07	11.74	2.752	63225
G010YR24HR	13L0020B	GEE	12.07	20.99	4.981	114457
G025YR24HR	13L0020B	GEE	12.07	27.54	6.610	151891
G100YR24HR	13L0020B	GEE	12.07	39.03	9.531	219001
G002YR24HR	13L0040B	GEE	12.20	75.92	3.257	568120
G010YR24HR	13L0040B	GEE	12.20	127.68	5.579	973104
G025YR24HR	13L0040B	GEE	12.20	164.01	7.248	1264218
G100YR24HR	13L0040B	GEE	12.20	227.52	10.215	1781638
G002YR24HR	13L0060B	GEE	12.07	8.00	3.449	44199
G010YR24HR	13L0060B	GEE	12.07	13.11	5.796	74274
G025YR24HR	13L0060B	GEE	12.07	16.68	7.476	95794
G100YR24HR	13L0060B	GEE	12.07	22.94	10.454	133955
G002YR24HR	13L0080B	GEE	12.07	27.06	3.826	154594
G010YR24HR	13L0080B	GEE	12.07	42.85	6.208	250825
G025YR24HR	13L0080B	GEE	12.07	53.95	7.902	319241
G100YR24HR	13L0080B	GEE	12.07	73.45	10.895	440181
G002YR24HR	13L0200B	GEE	12.19	42.33	2.738	291898
G010YR24HR	13L0200B	GEE	12.19	76.05	4.964	529246
G025YR24HR	13L0200B	GEE	12.19	100.02	6.592	702756
G100YR24HR	13L0200B	GEE	12.19	142.06	9.510	1013904
G002YR24HR	13L0400B	GEE	12.07	9.00	3.236	49108
G010YR24HR	13L0400B	GEE	12.07	15.09	5.555	84292
G025YR24HR	13L0400B	GEE	12.07	19.36	7.223	109598
G100YR24HR	13L0400B	GEE	12.07	26.83	10.188	154588
G002YR24HR	13L0800B	GEE	12.42	96.62	2.842	878312
G010YR24HR	13L0800B	GEE	12.42	171.21	5.088	1572621
G025YR24HR	13L0800B	GEE	12.42	224.10	6.724	2078126
G100YR24HR	13L0800B	GEE	12.42	316.81	9.651	2982635
G002YR24HR	13L0820B	GEE	12.25	35.46	3.093	277103
G010YR24HR	13L0820B	GEE	12.25	60.83	5.389	482785
G025YR24HR	13L0820B	GEE	12.25	78.69	7.047	631313
G100YR24HR	13L0820B	GEE	12.25	109.92	10.000	895927
G002YR24HR	13L1000B	GEE	12.07	243.89	3.653	1369167
G010YR24HR	13L1000B	GEE	12.07	391.79	6.021	2256742
G025YR24HR	13L1000B	GEE	12.07	495.48	7.709	2889388
G100YR24HR	13L1000B	GEE	12.07	677.29	10.697	4009109
G002YR24HR	13L1001B	GEE	12.83	12.19	2.566	156268
G010YR24HR	13L1001B	GEE	12.75	22.64	4.750	289322
G025YR24HR	13L1001B	GEE	12.75	30.19	6.358	387287
G100YR24HR	13L1001B	GEE	12.75	43.52	9.254	563650
G002YR24HR	13L1020B	GEE	12.33	34.31	3.122	301006
G010YR24HR	13L1020B	GEE	12.33	58.70	5.421	522636
G025YR24HR	13L1020B	GEE	12.33	75.86	7.079	682527
G100YR24HR	13L1020B	GEE	12.33	105.88	10.032	967244
G002YR24HR	13L1200B	GEE	12.07	148.30	3.386	815931
G010YR24HR	13L1200B	GEE	12.07	244.59	5.725	1379681
G025YR24HR	13L1200B	GEE	12.07	312.04	7.401	1783648
G100YR24HR	13L1200B	GEE	12.07	430.01	10.376	2500508
G002YR24HR	13L1201B	GEE	12.75	5.23	1.659	65984
G010YR24HR	13L1201B	GEE	12.75	11.70	3.533	140549
G025YR24HR	13L1201B	GEE	12.75	16.66	4.990	198512
G100YR24HR	13L1201B	GEE	12.67	25.81	7.697	306215
G002YR24HR	13L1202B	GEE	12.32	11.58	1.961	96801
G010YR24HR	13L1202B	GEE	12.32	23.98	3.958	195422
G025YR24HR	13L1202B	GEE	12.32	33.21	5.478	270446
G100YR24HR	13L1202B	GEE	12.32	49.77	8.266	408066
G002YR24HR	13L1203B	GEE	12.32	1.86	2.989	15191
G010YR24HR	13L1203B	GEE	12.32	3.23	5.267	26767
G025YR24HR	13L1203B	GEE	12.32	4.20	6.917	35154
G100YR24HR	13L1203B	GEE	12.24	5.89	9.862	50121
G002YR24HR	13L1700B	GEE	12.07	94.26	3.201	513539
G010YR24HR	13L1700B	GEE	12.07	158.74	5.514	884729
G025YR24HR	13L1700B	GEE	12.07	203.98	7.180	1151953

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13L1700B	GEE	12.07	283.04	10.142	1627277
G002YR24HR	13L1825B	GEE	12.07	0.85	3.202	4649
G010YR24HR	13L1825B	GEE	12.07	1.44	5.515	8008
G025YR24HR	13L1825B	GEE	12.07	1.85	7.181	10427
G100YR24HR	13L1825B	GEE	12.07	2.56	10.143	14728
G002YR24HR	13L1829B	GEE	12.23	33.46	3.721	265849
G010YR24HR	13L1829B	GEE	12.23	53.57	6.095	435391
G025YR24HR	13L1829B	GEE	12.23	67.68	7.784	556103
G100YR24HR	13L1829B	GEE	12.23	92.43	10.773	769637
G002YR24HR	13L1875B	GEE	12.25	69.47	3.861	604015
G010YR24HR	13L1875B	GEE	12.25	110.03	6.243	976769
G025YR24HR	13L1875B	GEE	12.25	138.54	7.936	1241658
G100YR24HR	13L1875B	GEE	12.25	188.62	10.929	1709807
G002YR24HR	13L1876B	GEE	12.33	91.60	3.136	760352
G010YR24HR	13L1876B	GEE	12.33	155.93	5.438	1318535
G025YR24HR	13L1876B	GEE	12.25	201.17	7.098	1721088
G100YR24HR	13L1876B	GEE	12.25	280.77	10.053	2437780
G002YR24HR	13L1877B	Scenario2	12.19	50.30	3.006	347903
G010YR24HR	13L1877B	Scenario2	12.19	87.04	5.287	611828
G025YR24HR	13L1877B	Scenario2	12.19	112.92	6.938	802930
G100YR24HR	13L1877B	Scenario2	12.19	158.20	9.884	1143873
G002YR24HR	13L1878B	Scenario2	12.26	25.88	3.006	195656
G010YR24HR	13L1878B	Scenario2	12.26	44.77	5.287	344087
G025YR24HR	13L1878B	Scenario2	12.26	58.08	6.938	451561
G100YR24HR	13L1878B	Scenario2	12.26	81.37	9.884	643306
G002YR24HR	13L1895B	GEE	12.07	16.10	3.471	89082
G010YR24HR	13L1895B	GEE	12.07	26.32	5.821	149380
G025YR24HR	13L1895B	GEE	12.07	33.47	7.501	192508
G100YR24HR	13L1895B	GEE	12.07	46.00	10.480	268968
G002YR24HR	13L1950B	GEE	12.18	93.11	3.916	692280
G010YR24HR	13L1950B	GEE	12.18	146.71	6.303	1114333
G025YR24HR	13L1950B	GEE	12.18	184.43	7.999	1414076
G100YR24HR	13L1950B	GEE	12.18	250.73	10.995	1943673
G002YR24HR	13L1952B	GEE	12.50	69.00	3.130	678891
G010YR24HR	13L1952B	GEE	12.42	117.74	5.431	1177907
G025YR24HR	13L1952B	GEE	12.42	152.26	7.090	1537843
G100YR24HR	13L1952B	GEE	12.42	212.64	10.045	2178711
G002YR24HR	13L1975B	GEE	12.25	11.31	4.046	100451
G010YR24HR	13L1975B	GEE	12.25	17.68	6.438	159846
G025YR24HR	13L1975B	GEE	12.25	22.17	8.135	201977
G100YR24HR	13L1975B	GEE	12.25	30.08	11.131	276371
G002YR24HR	13L2050B	GEE	12.07	29.59	3.872	169912
G010YR24HR	13L2050B	GEE	12.07	46.70	6.256	274573
G025YR24HR	13L2050B	GEE	12.07	58.73	7.951	348940
G100YR24HR	13L2050B	GEE	12.07	79.89	10.946	480367
G002YR24HR	13L2051B	GEE	12.18	16.12	3.007	113419
G010YR24HR	13L2051B	GEE	12.18	27.95	5.288	199456
G025YR24HR	13L2051B	GEE	12.18	36.28	6.940	261752
G100YR24HR	13L2051B	GEE	12.18	50.87	9.887	372894
G002YR24HR	13L2052B	Scenario2	12.29	12.55	3.005	100914
G010YR24HR	13L2052B	Scenario2	12.29	21.76	5.285	177473
G025YR24HR	13L2052B	Scenario2	12.29	28.25	6.936	232909
G100YR24HR	13L2052B	Scenario2	12.29	39.61	9.882	331811
G002YR24HR	13L2053B	Scenario2	12.33	36.58	3.020	320400
G010YR24HR	13L2053B	Scenario2	12.33	63.43	5.301	562449
G025YR24HR	13L2053B	Scenario2	12.33	82.37	6.952	737618
G100YR24HR	13L2053B	Scenario2	12.33	115.52	9.896	1050048
G002YR24HR	13L2151B	GEE	12.07	9.08	3.007	49123
G010YR24HR	13L2151B	GEE	12.07	15.67	5.288	86386
G025YR24HR	13L2151B	GEE	12.07	20.30	6.940	113367
G100YR24HR	13L2151B	GEE	12.07	28.40	9.887	161504
G002YR24HR	13L2152B	Scenario2	12.12	33.12	3.005	212519
G010YR24HR	13L2152B	Scenario2	12.12	57.37	5.285	373749
G025YR24HR	13L2152B	Scenario2	12.12	74.46	6.936	490493
G100YR24HR	13L2152B	Scenario2	12.12	104.36	9.882	698775
G002YR24HR	13L2300B	GEE	12.07	6.65	3.222	36252

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13L2300B	GEE	12.07	11.17	5.538	62321
G025YR24HR	13L2300B	GEE	12.07	14.34	7.205	81078
G100YR24HR	13L2300B	GEE	12.07	19.88	10.169	114432
G002YR24HR	13L2400B	GEE	12.07	8.62	3.007	46612
G010YR24HR	13L2400B	GEE	12.07	14.86	5.288	81971
G025YR24HR	13L2400B	GEE	12.07	19.26	6.940	107573
G100YR24HR	13L2400B	GEE	12.07	26.95	9.887	153249
G002YR24HR	13L2500B	GEE	12.19	33.81	3.517	239116
G010YR24HR	13L2500B	GEE	12.19	55.11	5.871	399178
G025YR24HR	13L2500B	GEE	12.19	70.04	7.553	513550
G100YR24HR	13L2500B	GEE	12.19	96.17	10.534	716223
G002YR24HR	13L2520B	GEE	12.13	21.82	2.140	133937
G010YR24HR	13L2520B	GEE	12.13	43.29	4.201	262911
G025YR24HR	13L2520B	GEE	12.13	59.04	5.752	359952
G100YR24HR	13L2520B	GEE	12.13	87.05	8.578	536817
G002YR24HR	13L2540B	GEE	12.07	10.09	3.763	57234
G010YR24HR	13L2540B	GEE	12.07	16.05	6.140	93392
G025YR24HR	13L2540B	GEE	12.07	20.24	7.832	119121
G100YR24HR	13L2540B	GEE	12.07	27.59	10.823	164620
G002YR24HR	13L2560B	GEE	12.13	27.31	3.219	167889
G010YR24HR	13L2560B	GEE	12.13	45.91	5.535	288708
G025YR24HR	13L2560B	GEE	12.13	58.97	7.201	375645
G100YR24HR	13L2560B	GEE	12.13	81.79	10.165	530246
G002YR24HR	13L2700B	GEE	12.12	10.91	3.345	64596
G010YR24HR	13L2700B	GEE	12.12	18.06	5.679	109670
G025YR24HR	13L2700B	GEE	12.08	23.10	7.353	141999
G100YR24HR	13L2700B	GEE	12.08	31.90	10.325	199396
G002YR24HR	13L2720B	GEE	12.07	10.67	3.018	57730
G010YR24HR	13L2720B	GEE	12.07	18.38	5.301	101405
G025YR24HR	13L2720B	GEE	12.07	23.81	6.953	133019
G100YR24HR	13L2720B	GEE	12.07	33.29	9.901	189410
G002YR24HR	13L2750B	GEE	12.19	53.39	3.593	379628
G010YR24HR	13L2750B	GEE	12.19	86.37	5.955	629219
G025YR24HR	13L2750B	GEE	12.19	109.50	7.640	807308
G100YR24HR	13L2750B	GEE	12.19	150.00	10.624	1122668
G002YR24HR	13L3000B	GEE	12.07	3.81	3.600	21300
G010YR24HR	13L3000B	GEE	12.07	6.15	5.963	35283
G025YR24HR	13L3000B	GEE	12.07	7.79	7.649	45259
G100YR24HR	13L3000B	GEE	12.07	10.67	10.634	62923
G002YR24HR	13L3140B	GEE	12.20	61.17	3.183	440109
G010YR24HR	13L3140B	GEE	12.20	103.64	5.493	759500
G025YR24HR	13L3140B	GEE	12.20	133.47	7.157	989536
G100YR24HR	13L3140B	GEE	12.20	185.63	10.117	1398807
G002YR24HR	13M0400B	GEE	12.92	24.91	3.226	354787
G010YR24HR	13M0400B	GEE	12.92	42.25	5.541	609482
G025YR24HR	13M0400B	GEE	12.92	54.46	7.207	792704
G100YR24HR	13M0400B	GEE	12.92	75.84	10.169	1118482
G002YR24HR	13M0500B	GEE	12.07	7.26	2.978	39236
G010YR24HR	13M0500B	GEE	12.07	12.57	5.253	69224
G025YR24HR	13M0500B	GEE	12.07	16.31	6.903	90958
G100YR24HR	13M0500B	GEE	12.07	22.86	9.847	129752
G002YR24HR	13M0600B	GEE	12.33	35.46	3.379	318424
G010YR24HR	13M0600B	GEE	12.33	58.83	5.714	538485
G025YR24HR	13M0600B	GEE	12.33	75.23	7.388	696179
G100YR24HR	13M0600B	GEE	12.33	103.91	10.357	976018
G002YR24HR	13M0601B	GEE	12.42	8.17	2.871	75253
G010YR24HR	13M0601B	GEE	12.42	14.44	5.124	134298
G025YR24HR	13M0601B	GEE	12.42	18.88	6.763	177243
G100YR24HR	13M0601B	GEE	12.42	26.66	9.693	254042
G002YR24HR	13M0850B	GEE	12.07	2.77	3.064	15015
G010YR24HR	13M0850B	GEE	12.07	4.75	5.355	26243
G025YR24HR	13M0850B	GEE	12.07	6.13	7.011	34358
G100YR24HR	13M0850B	GEE	12.07	8.56	9.963	48823
G002YR24HR	13M0950B	GEE	12.07	12.62	3.506	70005
G010YR24HR	13M0950B	GEE	12.07	20.56	5.860	116993
G025YR24HR	13M0950B	GEE	12.07	26.12	7.542	150575
G100YR24HR	13M0950B	GEE	12.07	35.85	10.523	210092

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13M0990B	GEE	12.07	14.90	3.481	82524
G010YR24HR	13M0990B	GEE	12.07	24.34	5.832	138245
G025YR24HR	13M0990B	GEE	12.07	30.94	7.513	178089
G100YR24HR	13M0990B	GEE	12.07	42.51	10.493	248722
G002YR24HR	13M1200B	GEE	12.07	3.42	3.506	18965
G010YR24HR	13M1200B	GEE	12.07	5.57	5.860	31694
G025YR24HR	13M1200B	GEE	12.07	7.07	7.542	40792
G100YR24HR	13M1200B	GEE	12.07	9.71	10.523	56916
G002YR24HR	13M1400B	GEE	12.07	5.12	3.506	28384
G010YR24HR	13M1400B	GEE	12.07	8.33	5.860	47435
G025YR24HR	13M1400B	GEE	12.07	10.59	7.542	61051
G100YR24HR	13M1400B	GEE	12.07	14.53	10.523	85183
G002YR24HR	13M1500B	GEE	12.07	9.59	3.471	53046
G010YR24HR	13M1500B	GEE	12.07	15.67	5.821	88952
G025YR24HR	13M1500B	GEE	12.07	19.93	7.501	114633
G100YR24HR	13M1500B	GEE	12.07	27.39	10.480	160163
G002YR24HR	13M1520B	GEE	12.07	11.24	3.516	62408
G010YR24HR	13M1520B	GEE	12.07	18.30	5.870	104202
G025YR24HR	13M1520B	GEE	12.07	23.24	7.553	134067
G100YR24HR	13M1520B	GEE	12.07	31.89	10.534	186991
G002YR24HR	13M1800B	GEE	12.07	102.58	3.677	577088
G010YR24HR	13M1800B	GEE	12.07	164.44	6.047	949123
G025YR24HR	13M1800B	GEE	12.07	207.82	7.736	1214199
G100YR24HR	13M1800B	GEE	12.07	283.90	10.724	1683269
G002YR24HR	13M1925B	GEE	12.13	23.65	3.845	152558
G010YR24HR	13M1925B	GEE	12.13	37.42	6.228	247110
G025YR24HR	13M1925B	GEE	12.13	47.09	7.922	314316
G100YR24HR	13M1925B	GEE	12.13	64.09	10.916	433104
G002YR24HR	13M2110B	GEE	12.07	7.78	2.830	41920
G010YR24HR	13M2110B	GEE	12.07	13.75	5.077	75195
G025YR24HR	13M2110B	GEE	12.07	17.97	6.714	99435
G100YR24HR	13M2110B	GEE	12.07	25.36	9.643	142821
G002YR24HR	13M2130B	GEE	13.00	26.44	2.390	392068
G010YR24HR	13M2130B	GEE	13.00	50.69	4.528	742706
G025YR24HR	13M2130B	GEE	13.00	68.35	6.114	1003005
G100YR24HR	13M2130B	GEE	13.00	99.70	8.984	1473780
G002YR24HR	13M2150B	GEE	12.10	24.23	2.447	130461
G010YR24HR	13M2150B	GEE	12.07	45.38	4.601	245321
G025YR24HR	13M2150B	GEE	12.07	60.62	6.195	330359
G100YR24HR	13M2150B	GEE	12.07	87.46	9.075	483925
G002YR24HR	13M2210B	GEE	12.07	3.29	2.841	17736
G010YR24HR	13M2210B	GEE	12.07	5.81	5.089	31777
G025YR24HR	13M2210B	GEE	12.07	7.59	6.727	42001
G100YR24HR	13M2210B	GEE	12.07	10.70	9.658	60298
G002YR24HR	13M2230B	GEE	12.07	1.60	2.976	8642
G010YR24HR	13M2230B	GEE	12.07	2.77	5.251	15249
G025YR24HR	13M2230B	GEE	12.07	3.59	6.900	20039
G100YR24HR	13M2230B	GEE	12.07	5.04	9.844	28588
G002YR24HR	13M2250B	GEE	12.07	1.40	3.075	7589
G010YR24HR	13M2250B	GEE	12.07	2.39	5.368	13249
G025YR24HR	13M2250B	GEE	12.07	3.09	7.024	17339
G100YR24HR	13M2250B	GEE	12.07	4.32	9.977	24627
G002YR24HR	13M2254B	GEE	12.24	24.28	3.628	197650
G010YR24HR	13M2254B	GEE	12.24	39.23	5.992	326500
G025YR24HR	13M2254B	GEE	12.24	49.71	7.679	418378
G100YR24HR	13M2254B	GEE	12.24	68.07	10.664	581027
G002YR24HR	13M2270B	GEE	12.07	2.12	3.107	11502
G010YR24HR	13M2270B	GEE	12.07	3.61	5.405	20013
G025YR24HR	13M2270B	GEE	12.07	4.66	7.064	26156
G100YR24HR	13M2270B	GEE	12.07	6.49	10.019	37098
G002YR24HR	13M2290B	GEE	12.07	1.34	3.040	7283
G010YR24HR	13M2290B	GEE	12.07	2.31	5.327	12762
G025YR24HR	13M2290B	GEE	12.07	2.99	6.981	16725
G100YR24HR	13M2290B	GEE	12.07	4.18	9.931	23792
G002YR24HR	13M2330B	GEE	12.07	11.03	3.513	61205
G010YR24HR	13M2330B	GEE	12.07	17.95	5.867	102224

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13M2330B	GEE	12.07	22.80	7.549	131537
G100YR24HR	13M2330B	GEE	12.07	31.29	10.531	183484
G002YR24HR	13M2331B	GEE	12.07	10.17	2.914	54906
G010YR24HR	13M2331B	GEE	12.07	17.77	5.178	97553
G025YR24HR	13M2331B	GEE	12.07	23.13	6.822	128528
G100YR24HR	13M2331B	GEE	12.07	32.50	9.760	183880
G002YR24HR	13M2332B	GEE	12.12	13.22	3.398	80304
G010YR24HR	13M2332B	GEE	12.12	21.78	5.739	135613
G025YR24HR	13M2332B	GEE	12.12	27.78	7.415	175233
G100YR24HR	13M2332B	GEE	12.12	38.28	10.390	245532
G002YR24HR	13M2334B	GEE	12.07	8.16	3.614	45650
G010YR24HR	13M2334B	GEE	12.07	13.15	5.978	75519
G025YR24HR	13M2334B	GEE	12.07	16.66	7.665	96823
G100YR24HR	13M2334B	GEE	12.07	22.79	10.651	134543
G002YR24HR	13M2335B	GEE	12.07	7.88	3.099	42744
G010YR24HR	13M2335B	GEE	12.07	13.43	5.396	74431
G025YR24HR	13M2335B	GEE	12.07	17.34	7.055	97310
G100YR24HR	13M2335B	GEE	12.07	24.16	10.009	138067
G002YR24HR	13M2340B	GEE	12.24	24.30	3.514	182005
G010YR24HR	13M2340B	GEE	12.18	39.70	5.867	303930
G025YR24HR	13M2340B	GEE	12.18	50.50	7.549	391057
G100YR24HR	13M2340B	GEE	12.18	69.40	10.530	545454
G002YR24HR	13M2341B	GEE	12.29	15.59	3.134	125707
G010YR24HR	13M2341B	GEE	12.29	26.58	5.436	218051
G025YR24HR	13M2341B	GEE	12.29	34.31	7.097	284653
G100YR24HR	13M2341B	GEE	12.29	47.82	10.053	403233
G002YR24HR	13M2400B	GEE	12.07	26.57	3.294	145420
G010YR24HR	13M2400B	GEE	12.07	44.26	5.622	248142
G025YR24HR	13M2400B	GEE	12.07	56.66	7.293	321912
G100YR24HR	13M2400B	GEE	12.07	78.34	10.262	452964
G002YR24HR	13N0050B	GEE	12.10	21.40	2.382	115250
G010YR24HR	13N0050B	GEE	12.07	40.49	4.518	218596
G025YR24HR	13N0050B	GEE	12.07	54.31	6.104	295352
G100YR24HR	13N0050B	GEE	12.07	78.68	8.973	434207
G002YR24HR	13N0100B	GEE	12.07	26.99	2.563	145313
G010YR24HR	13N0100B	GEE	12.07	49.66	4.748	269189
G025YR24HR	13N0100B	GEE	12.07	65.86	6.356	360413
G100YR24HR	13N0100B	GEE	12.07	94.34	9.253	524659
G002YR24HR	13N0200B	GEE	12.07	8.62	3.841	49354
G010YR24HR	13N0200B	GEE	12.07	13.64	6.224	79973
G025YR24HR	13N0200B	GEE	12.07	17.17	7.917	101738
G100YR24HR	13N0200B	GEE	12.07	23.37	10.911	140210
G002YR24HR	13N0200B2	GEE	12.20	62.19	3.493	470395
G010YR24HR	13N0200B2	GEE	12.20	101.84	5.845	787145
G025YR24HR	13N0200B2	GEE	12.20	129.62	7.526	1013592
G100YR24HR	13N0200B2	GEE	12.20	178.24	10.507	1414967
G002YR24HR	13N0201B	GEE	12.83	3.01	1.220	41508
G010YR24HR	13N0201B	GEE	12.75	7.84	2.874	97742
G025YR24HR	13N0201B	GEE	12.75	11.76	4.212	143263
G100YR24HR	13N0201B	GEE	12.75	19.14	6.762	229981
G002YR24HR	13N0301B	GEE	12.29	17.72	2.724	142209
G010YR24HR	13N0301B	GEE	12.29	31.97	4.947	258239
G025YR24HR	13N0301B	GEE	12.29	42.11	6.573	343106
G100YR24HR	13N0301B	GEE	12.29	59.90	9.489	495334
G002YR24HR	13N0600B	GEE	12.23	39.63	2.719	304320
G010YR24HR	13N0600B	GEE	12.23	71.68	4.941	552970
G025YR24HR	13N0600B	GEE	12.23	94.50	6.566	734875
G100YR24HR	13N0600B	GEE	12.23	134.56	9.482	1061204
G002YR24HR	13N0650B	GEE	12.17	69.64	3.069	472089
G010YR24HR	13N0650B	GEE	12.17	119.63	5.361	824698
G025YR24HR	13N0650B	GEE	12.17	154.80	7.017	1079519
G100YR24HR	13N0650B	GEE	12.17	216.32	9.969	1533682
G002YR24HR	13N0700B	GEE	12.07	11.49	3.998	67047
G010YR24HR	13N0700B	GEE	12.07	17.98	6.390	107157
G025YR24HR	13N0700B	GEE	12.07	22.56	8.087	135620
G100YR24HR	13N0700B	GEE	12.07	30.62	11.084	185891

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13N0700B2	GEE	12.30	106.06	2.185	822404
G010YR24HR	13N0700B2	GEE	12.23	208.90	4.260	1603478
G025YR24HR	13N0700B2	GEE	12.23	284.99	5.817	2189641
G100YR24HR	13N0700B2	GEE	12.23	420.42	8.651	3256358
G002YR24HR	13N0701B	GEE	12.58	26.45	2.408	278957
G010YR24HR	13N0701B	GEE	12.58	50.21	4.550	527234
G025YR24HR	13N0701B	GEE	12.58	67.41	6.140	711391
G100YR24HR	13N0701B	GEE	12.50	98.08	9.013	1044299
G002YR24HR	13N0710B	GEE	12.07	22.83	3.090	123833
G010YR24HR	13N0710B	GEE	12.07	38.97	5.386	215833
G025YR24HR	13N0710B	GEE	12.07	50.31	7.044	282276
G100YR24HR	13N0710B	GEE	12.07	70.14	9.998	400657
G002YR24HR	13N0720B	GEE	12.07	15.96	3.007	86347
G010YR24HR	13N0720B	GEE	12.07	27.54	5.288	151848
G025YR24HR	13N0720B	GEE	12.07	35.68	6.940	199274
G100YR24HR	13N0720B	GEE	12.07	49.93	9.887	283888
G002YR24HR	13N0730B	GEE	12.25	26.35	3.006	205605
G010YR24HR	13N0730B	GEE	12.25	45.72	5.287	361580
G025YR24HR	13N0730B	GEE	12.25	59.39	6.938	474517
G100YR24HR	13N0730B	GEE	12.25	83.30	9.885	676007
G002YR24HR	13N0740B	GEE	12.50	13.01	3.006	135315
G010YR24HR	13N0740B	GEE	12.50	22.64	5.287	237962
G025YR24HR	13N0740B	GEE	12.50	29.44	6.938	312285
G100YR24HR	13N0740B	GEE	12.50	41.36	9.884	444883
G002YR24HR	13N0750B	GEE	12.07	7.40	3.212	40337
G010YR24HR	13N0750B	GEE	12.07	12.45	5.527	69415
G025YR24HR	13N0750B	GEE	12.07	15.99	7.193	90342
G100YR24HR	13N0750B	GEE	12.07	22.17	10.156	127560
G002YR24HR	13N0751B	GEE	12.19	71.75	3.006	496209
G010YR24HR	13N0751B	GEE	12.19	124.14	5.287	872642
G025YR24HR	13N0751B	GEE	12.19	161.06	6.938	1145208
G100YR24HR	13N0751B	GEE	12.19	225.64	9.884	1631490
G002YR24HR	13N0752B	GEE	12.07	16.01	2.977	86552
G010YR24HR	13N0752B	GEE	12.07	27.74	5.252	152718
G025YR24HR	13N0752B	GEE	12.07	35.99	6.902	200674
G100YR24HR	13N0752B	GEE	12.07	50.43	9.846	286276
G002YR24HR	13N0800B	GEE	12.07	10.21	3.137	55452
G010YR24HR	13N0800B	GEE	12.07	17.32	5.440	96172
G025YR24HR	13N0800B	GEE	12.07	22.32	7.101	125540
G100YR24HR	13N0800B	GEE	12.07	31.05	10.059	177827
G002YR24HR	13N0850B	GEE	12.07	10.84	3.715	61230
G010YR24HR	13N0850B	GEE	12.07	17.32	6.089	100346
G025YR24HR	13N0850B	GEE	12.07	21.87	7.779	128199
G100YR24HR	13N0850B	GEE	12.07	29.85	10.769	177472
G002YR24HR	13N0900B	GEE	12.07	14.09	2.839	75947
G010YR24HR	13N0900B	GEE	12.07	24.87	5.087	136099
G025YR24HR	13N0900B	GEE	12.07	32.49	6.725	179906
G100YR24HR	13N0900B	GEE	12.07	45.84	9.655	258301
G002YR24HR	13P0200B	GEE	12.07	19.89	2.750	107101
G010YR24HR	13P0200B	GEE	12.07	35.56	4.979	193930
G025YR24HR	13P0200B	GEE	12.07	46.68	6.608	257378
G100YR24HR	13P0200B	GEE	12.07	66.15	9.528	371128
G002YR24HR	13P0400B	GEE	12.07	3.81	2.677	20507
G010YR24HR	13P0400B	GEE	12.07	6.89	4.890	37455
G025YR24HR	13P0400B	GEE	12.07	9.07	6.512	49875
G100YR24HR	13P0400B	GEE	12.07	12.91	9.423	72176
G002YR24HR	13P0500B	GEE	12.10	24.51	2.456	131945
G010YR24HR	13P0500B	GEE	12.07	45.83	4.613	247804
G025YR24HR	13P0500B	GEE	12.07	61.18	6.208	333543
G100YR24HR	13P0500B	GEE	12.07	88.22	9.090	488336
G002YR24HR	13P0501B	GEE	12.07	9.50	3.140	51629
G010YR24HR	13P0501B	GEE	12.07	16.12	5.444	89514
G025YR24HR	13P0501B	GEE	12.07	20.76	7.105	116835
G100YR24HR	13P0501B	GEE	12.07	28.89	10.063	165475
G002YR24HR	13P0502B	GEE	12.07	9.47	3.088	51340
G010YR24HR	13P0502B	GEE	12.07	16.16	5.383	89502
G025YR24HR	13P0502B	GEE	12.07	20.87	7.041	117064

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13P0502B	GEE	12.07	29.09	9.995	166172
G002YR24HR	13P0800B	GEE	12.07	1.53	3.009	8302
G010YR24HR	13P0800B	GEE	12.07	2.65	5.291	14596
G025YR24HR	13P0800B	GEE	12.07	3.43	6.943	19153
G100YR24HR	13P0800B	GEE	12.07	4.80	9.890	27283
G002YR24HR	13P0900B	GEE	12.07	4.87	3.113	26445
G010YR24HR	13P0900B	GEE	12.07	8.29	5.413	45979
G025YR24HR	13P0900B	GEE	12.07	10.69	7.073	60076
G100YR24HR	13P0900B	GEE	12.07	14.89	10.028	85183
G002YR24HR	13P0950B	GEE	12.42	11.42	3.088	109641
G010YR24HR	13P0950B	GEE	12.42	19.65	5.383	191098
G025YR24HR	13P0950B	GEE	12.42	25.44	7.040	249926
G100YR24HR	13P0950B	GEE	12.42	35.58	9.992	354740
G002YR24HR	13P1000B	GEE	12.20	18.09	3.126	129933
G010YR24HR	13P1000B	GEE	12.20	30.87	5.427	225566
G025YR24HR	13P1000B	GEE	12.20	39.85	7.087	294557
G100YR24HR	13P1000B	GEE	12.20	55.56	10.043	417404
G002YR24HR	13P1250B	GEE	12.07	8.89	3.181	48381
G010YR24HR	13P1250B	GEE	12.07	15.00	5.491	83522
G025YR24HR	13P1250B	GEE	12.07	19.29	7.156	108835
G100YR24HR	13P1250B	GEE	12.07	26.80	10.117	153872
G002YR24HR	13P1300B	GEE	12.07	3.09	3.030	16719
G010YR24HR	13P1300B	GEE	12.07	5.31	5.316	29329
G025YR24HR	13P1300B	GEE	12.07	6.88	6.969	38452
G100YR24HR	13P1300B	GEE	12.07	9.61	9.918	54723
G002YR24HR	13P1650B	GEE	12.07	4.69	3.286	25649
G010YR24HR	13P1650B	GEE	12.07	7.82	5.612	43802
G025YR24HR	13P1650B	GEE	12.07	10.01	7.283	56842
G100YR24HR	13P1650B	GEE	12.07	13.84	10.252	80009
G002YR24HR	13P1800B	GEE	12.16	12.65	3.576	86184
G010YR24HR	13P1800B	GEE	12.16	20.50	5.936	143085
G025YR24HR	13P1800B	GEE	12.16	26.01	7.621	183699
G100YR24HR	13P1800B	GEE	12.16	35.65	10.606	255630
G002YR24HR	13P1801B	GEE	12.07	7.60	3.481	42083
G010YR24HR	13P1801B	GEE	12.07	12.41	5.832	70498
G025YR24HR	13P1801B	GEE	12.07	15.78	7.513	90817
G100YR24HR	13P1801B	GEE	12.07	21.68	10.493	126837
G002YR24HR	13P1810B	GEE	12.07	21.95	3.292	120113
G010YR24HR	13P1810B	GEE	12.07	36.57	5.619	205001
G025YR24HR	13P1810B	GEE	12.07	46.82	7.290	265966
G100YR24HR	13P1810B	GEE	12.07	64.74	10.259	374274
G002YR24HR	13P1814B	GEE	12.02	14.09	3.844	70885
G010YR24HR	13P1814B	GEE	12.02	22.25	6.227	114829
G025YR24HR	13P1814B	GEE	12.02	27.99	7.921	146064
G100YR24HR	13P1814B	GEE	12.02	38.08	10.915	201273
G002YR24HR	13P1826B	GEE	12.24	28.65	3.439	230572
G010YR24HR	13P1826B	GEE	12.24	47.20	5.784	387784
G025YR24HR	13P1826B	GEE	12.24	60.20	7.462	500300
G100YR24HR	13P1826B	GEE	12.24	82.95	10.438	699843
G002YR24HR	13P1900B	GEE	12.13	57.24	4.008	376826
G010YR24HR	13P1900B	GEE	12.13	89.57	6.400	601730
G025YR24HR	13P1900B	GEE	12.13	112.36	8.098	761312
G100YR24HR	13P1900B	GEE	12.13	152.48	11.095	1043149
G002YR24HR	13P1901B	GEE	12.07	5.96	3.059	32314
G010YR24HR	13P1901B	GEE	12.07	10.22	5.349	56508
G025YR24HR	13P1901B	GEE	12.07	13.21	7.005	73997
G100YR24HR	13P1901B	GEE	12.07	18.44	9.957	105174
G002YR24HR	13P1902B	GEE	12.07	4.48	3.839	25638
G010YR24HR	13P1902B	GEE	12.07	7.09	6.221	41552
G025YR24HR	13P1902B	GEE	12.07	8.92	7.915	52865
G100YR24HR	13P1902B	GEE	12.07	12.15	10.909	72861
G002YR24HR	13P1920B	GEE	12.07	22.01	3.828	125739
G010YR24HR	13P1920B	GEE	12.07	34.85	6.209	203989
G025YR24HR	13P1920B	GEE	12.07	43.87	7.903	259620
G100YR24HR	13P1920B	GEE	12.07	59.72	10.896	357960
G002YR24HR	13P2010B	GEE	12.07	1.70	2.773	9162

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13P2010B	GEE	12.07	3.03	5.008	16543
G025YR24HR	13P2010B	GEE	12.07	3.97	6.639	21931
G100YR24HR	13P2010B	GEE	12.07	5.62	9.562	31587
G002YR24HR	13P2014B	GEE	12.07	3.14	2.773	16908
G010YR24HR	13P2014B	GEE	12.07	5.59	5.007	30534
G025YR24HR	13P2014B	GEE	12.07	7.33	6.638	40481
G100YR24HR	13P2014B	GEE	12.07	10.38	9.561	58307
G002YR24HR	13P2050B	GEE	12.18	12.17	3.716	88634
G010YR24HR	13P2050B	GEE	12.18	19.48	6.090	145242
G025YR24HR	13P2050B	GEE	12.18	24.61	7.780	185550
G100YR24HR	13P2050B	GEE	12.18	33.60	10.770	256857
G002YR24HR	13P2250B	GEE	12.17	94.85	3.665	663174
G010YR24HR	13P2250B	GEE	12.17	152.49	6.034	1091893
G025YR24HR	13P2250B	GEE	12.17	192.90	7.722	1397416
G100YR24HR	13P2250B	GEE	12.17	263.76	10.710	1938110
G002YR24HR	13P2300B	GEE	12.07	20.20	3.416	111365
G010YR24HR	13P2300B	GEE	12.07	33.21	5.759	187743
G025YR24HR	13P2300B	GEE	12.07	42.32	7.437	242436
G100YR24HR	13P2300B	GEE	12.07	58.26	10.414	339456
G002YR24HR	13P2400B	GEE	12.07	13.97	3.330	76632
G010YR24HR	13P2400B	GEE	12.07	23.19	5.662	130300
G025YR24HR	13P2400B	GEE	12.07	29.64	7.335	168808
G100YR24HR	13P2400B	GEE	12.07	40.93	10.306	237189
G002YR24HR	13P2400BZ	GEE	12.07	10.32	3.650	57898
G010YR24HR	13P2400BZ	GEE	12.07	16.58	6.018	95460
G025YR24HR	13P2400BZ	GEE	12.07	20.97	7.706	122235
G100YR24HR	13P2400BZ	GEE	12.07	28.66	10.693	169624
G002YR24HR	13P2600B	GEE	12.24	590.28	3.539	4429139
G010YR24HR	13P2600B	GEE	12.18	962.18	5.895	7378510
G025YR24HR	13P2600B	GEE	12.18	1222.80	7.578	9485077
G100YR24HR	13P2600B	GEE	12.18	1679.11	10.560	13217228
G002YR24HR	13P2640B	GEE	12.07	18.94	3.381	104184
G010YR24HR	13P2640B	GEE	12.07	31.26	5.719	176257
G025YR24HR	13P2640B	GEE	12.07	39.88	7.395	227909
G100YR24HR	13P2640B	GEE	12.07	54.97	10.369	319572
G002YR24HR	13P2645B	GEE	12.07	9.48	3.495	52523
G010YR24HR	13P2645B	GEE	12.07	15.45	5.847	87872
G025YR24HR	13P2645B	GEE	12.07	19.64	7.529	113143
G100YR24HR	13P2645B	GEE	12.07	26.97	10.509	157934
G002YR24HR	13P2646B	GEE	12.07	23.77	3.629	133166
G010YR24HR	13P2646B	GEE	12.07	38.27	5.994	219992
G025YR24HR	13P2646B	GEE	12.07	48.44	7.682	281907
G100YR24HR	13P2646B	GEE	12.07	66.25	10.668	391511
G002YR24HR	13P2648B	GEE	12.07	52.75	2.924	284754
G010YR24HR	13P2648B	GEE	12.07	92.01	5.189	505398
G025YR24HR	13P2648B	GEE	12.07	119.71	6.834	665603
G100YR24HR	13P2648B	GEE	12.07	168.16	9.773	951842
G002YR24HR	13P2660B	GEE	12.10	45.11	2.550	242858
G010YR24HR	13P2660B	GEE	12.07	83.16	4.731	450637
G025YR24HR	13P2660B	GEE	12.07	110.38	6.338	603737
G100YR24HR	13P2660B	GEE	12.07	158.24	9.233	879481
G002YR24HR	13P2661B	GEE	12.10	21.46	1.193	129460
G010YR24HR	13P2661B	GEE	12.10	55.94	2.832	307231
G025YR24HR	13P2661B	GEE	12.10	83.49	4.162	451580
G100YR24HR	13P2661B	GEE	12.07	135.06	6.701	727093
G002YR24HR	13P2800B	GEE	12.25	223.38	3.181	1749547
G010YR24HR	13P2800B	GEE	12.25	378.97	5.491	3020061
G025YR24HR	13P2800B	GEE	12.25	488.28	7.155	3935200
G100YR24HR	13P2800B	GEE	12.25	679.44	10.116	5563438
G002YR24HR	13P2900B	GEE	12.25	34.95	3.094	273146
G010YR24HR	13P2900B	GEE	12.25	59.95	5.390	475843
G025YR24HR	13P2900B	GEE	12.25	77.55	7.048	622211
G100YR24HR	13P2900B	GEE	12.25	108.32	10.002	882972
G002YR24HR	13P3400B	GEE	12.02	42.74	3.819	214445
G010YR24HR	13P3400B	GEE	12.02	67.64	6.200	348170
G025YR24HR	13P3400B	GEE	12.02	85.14	7.893	443252
G100YR24HR	13P3400B	GEE	12.02	115.89	10.886	611339

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13Q0500B	GEE	12.07	7.35	3.175	39993
G010YR24HR	13Q0500B	GEE	12.07	12.41	5.485	69084
G025YR24HR	13Q0500B	GEE	12.07	15.97	7.148	90042
G100YR24HR	13Q0500B	GEE	12.07	22.18	10.109	127334
G002YR24HR	13Q0820B	GEE	12.26	60.34	3.162	458222
G010YR24HR	13Q0820B	GEE	12.26	102.33	5.469	792530
G025YR24HR	13Q0820B	GEE	12.26	131.84	7.132	1033455
G100YR24HR	13Q0820B	GEE	12.26	183.43	10.091	1462233
G002YR24HR	13Q0840B	GEE	12.07	7.79	4.068	45928
G010YR24HR	13Q0840B	GEE	12.07	12.15	6.463	72962
G025YR24HR	13Q0840B	GEE	12.07	15.22	8.161	92135
G100YR24HR	13Q0840B	GEE	12.07	20.64	11.160	125989
G002YR24HR	13Q0860B	GEE	12.30	4.76	0.916	42085
G010YR24HR	13Q0860B	GEE	12.24	14.57	2.379	109314
G025YR24HR	13Q0860B	GEE	12.24	22.90	3.609	165855
G100YR24HR	13Q0860B	GEE	12.24	38.94	6.009	276157
G002YR24HR	13Q0861B	GEE	12.10	6.91	2.042	37502
G010YR24HR	13Q0861B	GEE	12.07	13.89	4.069	74734
G025YR24HR	13Q0861B	GEE	12.07	19.07	5.603	102913
G100YR24HR	13Q0861B	GEE	12.07	28.33	8.409	154448
G002YR24HR	13Q0870B	GEE	12.07	23.12	3.480	127981
G010YR24HR	13Q0870B	GEE	12.07	37.75	5.831	214417
G025YR24HR	13Q0870B	GEE	12.07	48.00	7.512	276226
G100YR24HR	13Q0870B	GEE	12.07	65.94	10.492	385797
G002YR24HR	13Q0875B	GEE	12.16	8.71	3.126	57985
G010YR24HR	13Q0875B	GEE	12.16	14.84	5.428	100680
G025YR24HR	13Q0875B	GEE	12.16	19.16	7.088	131481
G100YR24HR	13Q0875B	GEE	12.16	26.69	10.045	186329
G002YR24HR	13Q0880B	GEE	12.26	10.90	2.894	82244
G010YR24HR	13Q0880B	GEE	12.26	19.14	5.153	146455
G025YR24HR	13Q0880B	GEE	12.26	24.97	6.795	193125
G100YR24HR	13Q0880B	GEE	12.26	35.18	9.730	276555
G002YR24HR	13Q0885B	GEE	12.29	12.20	2.994	98029
G010YR24HR	13Q0885B	GEE	12.29	21.17	5.272	172617
G025YR24HR	13Q0885B	GEE	12.29	27.51	6.922	226645
G100YR24HR	13Q0885B	GEE	12.29	38.59	9.866	323053
G002YR24HR	13Q0895B	GEE	12.13	4.43	2.729	27541
G010YR24HR	13Q0895B	GEE	12.13	7.95	4.954	49989
G025YR24HR	13Q0895B	GEE	12.13	10.46	6.580	66405
G100YR24HR	13Q0895B	GEE	12.13	14.86	9.498	95848
G002YR24HR	13Q0924B	GEE	12.26	7.65	3.169	58093
G010YR24HR	13Q0924B	GEE	12.26	12.96	5.477	100403
G025YR24HR	13Q0924B	GEE	12.26	16.69	7.140	130890
G100YR24HR	13Q0924B	GEE	12.26	23.22	10.100	185141
G002YR24HR	13Q0940B	GEE	12.07	10.60	3.218	57814
G010YR24HR	13Q0940B	GEE	12.07	17.82	5.534	99430
G025YR24HR	13Q0940B	GEE	12.07	22.88	7.200	129376
G100YR24HR	13Q0940B	GEE	12.07	31.73	10.164	182630
G002YR24HR	13Q1100B	GEE	12.07	4.90	3.351	26883
G010YR24HR	13Q1100B	GEE	12.07	8.11	5.686	45613
G025YR24HR	13Q1100B	GEE	12.07	10.35	7.360	59046
G100YR24HR	13Q1100B	GEE	12.07	14.29	10.333	82893
G002YR24HR	13Q1300B	GEE	12.07	1.79	3.332	9796
G010YR24HR	13Q1300B	GEE	12.07	2.96	5.664	16654
G025YR24HR	13Q1300B	GEE	12.07	3.79	7.337	21574
G100YR24HR	13Q1300B	GEE	12.07	5.23	10.309	30311
G002YR24HR	13Q1600B	GEE	12.07	7.72	3.587	43101
G010YR24HR	13Q1600B	GEE	12.07	12.48	5.949	71481
G025YR24HR	13Q1600B	GEE	12.07	15.81	7.635	91732
G100YR24HR	13Q1600B	GEE	12.07	21.65	10.619	127595
G002YR24HR	13Q1900B	GEE	12.58	26.83	2.907	290506
G010YR24HR	13Q1900B	GEE	12.58	47.25	5.167	516369
G025YR24HR	13Q1900B	GEE	12.58	61.72	6.809	680437
G100YR24HR	13Q1900B	GEE	12.58	87.09	9.743	973648
G002YR24HR	13Q2290B	GEE	12.50	11.87	1.588	119370
G010YR24HR	13Q2290B	GEE	12.50	26.95	3.431	257910

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13Q2290B	GEE	12.50	38.56	4.871	366226
G100YR24HR	13Q2290B	GEE	12.42	60.10	7.558	568200
G002YR24HR	13Q2300B	GEE	12.07	25.36	3.753	143736
G010YR24HR	13Q2300B	GEE	12.07	40.39	6.130	234749
G025YR24HR	13Q2300B	GEE	12.07	50.94	7.821	299519
G100YR24HR	13Q2300B	GEE	12.07	69.46	10.812	414070
G002YR24HR	POND2_B	Scenario2	12.04	24.95	2.748	116239
G010YR24HR	POND2_B	Scenario2	12.04	44.24	4.977	210521
G025YR24HR	POND2_B	Scenario2	12.04	57.89	6.606	279420
G100YR24HR	POND2_B	Scenario2	12.02	81.83	9.526	402948
G002YR24HR	POND5	Scenario2	12.25	33.21	3.067	259397
G010YR24HR	POND5	Scenario2	12.25	57.17	5.358	453202
G025YR24HR	POND5	Scenario2	12.25	74.04	7.014	593264
G100YR24HR	POND5	Scenario2	12.25	103.55	9.966	842898
G002YR24HR	POND7_B	Scenario2	12.07	72.55	3.236	395915
G010YR24HR	POND7_B	Scenario2	12.07	121.67	5.555	679581
G025YR24HR	POND7_B	Scenario2	12.07	156.11	7.223	883600
G100YR24HR	POND7_B	Scenario2	12.07	216.32	10.188	1246319
G002YR24HR	POND8A_B	Scenario2	12.04	30.20	3.251	143990
G010YR24HR	POND8A_B	Scenario2	12.02	50.30	5.572	246780
G025YR24HR	POND8A_B	Scenario2	12.02	64.43	7.241	320679
G100YR24HR	POND8A_B	Scenario2	12.02	89.13	10.207	452035
G002YR24HR	POND8B_B	Scenario2	12.04	24.07	3.212	114482
G010YR24HR	POND8B_B	Scenario2	12.02	40.27	5.527	197009
G025YR24HR	POND8B_B	Scenario2	12.02	51.66	7.193	256404
G100YR24HR	POND8B_B	Scenario2	12.02	71.56	10.156	362035
G002YR24HR	WTRSPRGS	GEE	12.04	37.23	2.562	172791
G010YR24HR	WTRSPRGS	GEE	12.04	67.84	4.746	320126
G025YR24HR	WTRSPRGS	GEE	12.04	89.66	6.355	428630
G100YR24HR	WTRSPRGS	GEE	12.04	127.95	9.252	623993

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.7 Link Max Comparison Report – Scenario 2

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
12-0102X	12	G002YR24HR	0.00	0.00	0.000	15.83	15.96	15.67	15.83
12-0102X	12	G010YR24HR	0.00	0.00	0.000	16.67	17.33	15.87	17.10
12-0102X	12	G025YR24HR	0.00	0.00	0.000	17.17	18.14	15.88	17.88
12-0102X	12	G100YR24HR	22.17	362.67	0.079	22.17	19.86	20.63	19.19
13A0100	13A	G002YR24HR	15.37	587.11	1.737	15.37	10.21	0.00	8.75
13A0100	13A	G010YR24HR	15.60	1008.42	1.737	15.60	11.75	0.00	8.75
13A0100	13A	G025YR24HR	15.68	1277.17	1.737	15.68	12.69	15.48	9.04
13A0100	13A	G100YR24HR	15.90	1661.99	4.821	15.90	13.60	15.82	10.26
13A0300	13A	G002YR24HR	15.35	585.99	2.411	15.36	10.69	15.37	10.21
13A0300	13A	G010YR24HR	15.54	1006.89	2.411	15.58	12.40	15.60	11.75
13A0300	13A	G025YR24HR	15.62	1275.35	16.479	15.66	13.39	15.68	12.69
13A0300	13A	G100YR24HR	15.90	1659.14	16.460	15.90	14.48	15.90	13.60
13A0400B	13A	G002YR24HR	15.39	570.52	-0.230	15.37	10.87	15.36	10.69
13A0400B	13A	G010YR24HR	15.63	979.91	-0.230	15.58	12.60	15.58	12.40
13A0400B	13A	G025YR24HR	15.73	1240.22	-0.327	15.67	13.61	15.66	13.39
13A0400B	13A	G100YR24HR	16.17	1613.25	0.369	15.93	14.73	15.90	14.48
13A0600	13A	G002YR24HR	15.38	570.50	7.994	15.37	11.41	15.37	10.87
13A0600	13A	G010YR24HR	15.61	979.86	7.994	15.59	13.27	15.58	12.60
13A0600	13A	G025YR24HR	15.70	1240.13	7.994	15.68	14.30	15.67	13.61
13A0600	13A	G100YR24HR	16.15	1613.08	7.994	16.04	15.57	15.93	14.73
13A0600G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0700C	13A	G002YR24HR	15.38	199.74	5.845	15.37	11.49	15.37	11.41
13A0700C	13A	G010YR24HR	17.07	341.85	29.831	15.59	13.53	15.59	13.27
13A0700C	13A	G025YR24HR	15.70	427.18	30.337	15.68	14.83	15.68	14.30
13A0700C	13A	G100YR24HR	16.17	555.84	29.796	16.08	16.47	16.04	15.57
13A0701C	13A	G002YR24HR	15.38	181.60	5.103	15.37	11.49	15.37	11.41
13A0701C	13A	G010YR24HR	17.07	315.64	-23.586	15.59	13.53	15.59	13.27
13A0701C	13A	G025YR24HR	15.70	398.47	23.952	15.68	14.83	15.68	14.30
13A0701C	13A	G100YR24HR	16.17	518.47	23.416	16.08	16.47	16.04	15.57
13A0702C	13A	G002YR24HR	15.38	185.56	5.275	15.37	11.49	15.37	11.41
13A0702C	13A	G010YR24HR	15.60	325.08	-21.234	15.59	13.53	15.59	13.27
13A0702C	13A	G025YR24HR	15.70	407.66	21.239	15.68	14.83	15.68	14.30
13A0702C	13A	G100YR24HR	16.17	530.44	-21.177	16.08	16.47	16.04	15.57
13A0720S	13A	G002YR24HR	12.83	19.65	0.003	12.83	16.60	12.83	10.50
13A0720S	13A	G010YR24HR	13.12	23.62	0.004	13.60	17.15	14.81	13.43
13A0720S	13A	G025YR24HR	12.46	24.71	0.755	14.26	18.35	15.68	14.83
13A0720S	13A	G100YR24HR	12.05	26.47	0.452	14.71	20.31	16.08	16.47
13A0730D	13A	G002YR24HR	12.85	18.92	0.002	12.85	19.49	12.83	16.60
13A0730D	13A	G010YR24HR	13.18	22.89	-0.003	13.35	20.30	13.60	17.15
13A0730D	13A	G025YR24HR	13.20	22.45	-0.004	13.81	21.30	14.26	18.35
13A0730D	13A	G100YR24HR	13.76	22.37	-0.003	14.41	23.30	14.71	20.31
13A0730W	13A	G002YR24HR	0.00	0.00	0.000	12.85	19.49	15.37	11.49
13A0730W	13A	G010YR24HR	0.00	0.00	0.000	13.35	20.30	15.59	13.53
13A0730W	13A	G025YR24HR	0.00	0.00	0.000	13.81	21.30	15.68	14.83
13A0730W	13A	G100YR24HR	0.00	0.00	0.000	14.41	23.30	16.08	16.47
13A0810W	13A	G002YR24HR	13.88	18.71	0.001	13.88	22.12	15.37	11.49
13A0810W	13A	G010YR24HR	13.84	31.71	0.001	13.84	22.20	15.59	13.53
13A0810W	13A	G025YR24HR	13.82	40.89	0.002	13.82	22.24	15.68	14.83
13A0810W	13A	G100YR24HR	13.80	56.99	0.003	13.80	22.31	16.08	16.47
13A0900	13A	G002YR24HR	15.40	545.97	10.274	15.40	14.37	15.37	11.49
13A0900	13A	G010YR24HR	15.67	941.81	9.981	15.65	15.94	15.59	13.53
13A0900	13A	G025YR24HR	15.74	1183.33	9.845	15.72	16.84	15.68	14.83
13A0900	13A	G100YR24HR	16.30	1546.71	9.751	16.16	18.07	16.08	16.47
13A0950	13A	G002YR24HR	15.31	546.28	0.154	15.36	15.01	15.40	14.37
13A0950	13A	G010YR24HR	15.59	941.95	0.154	15.63	16.50	15.65	15.94
13A0950	13A	G025YR24HR	15.67	1183.39	0.154	15.70	17.34	15.72	16.84
13A0950	13A	G100YR24HR	16.19	1546.30	0.154	16.16	18.46	16.16	18.07
13A1000	13A	G002YR24HR	14.90	380.69	9.805	15.32	15.09	15.36	15.01
13A1000	13A	G010YR24HR	14.93	672.88	9.805	15.60	16.56	15.63	16.50
13A1000	13A	G025YR24HR	14.99	856.14	9.805	15.68	17.39	15.70	17.34
13A1000	13A	G100YR24HR	14.98	1109.81	9.805	16.15	18.50	16.16	18.46
13A1100	13A	G002YR24HR	14.86	378.90	12.217	15.04	15.92	15.32	15.09
13A1100	13A	G010YR24HR	14.89	670.11	12.217	15.30	17.34	15.60	16.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A1100	13A	G025YR24HR	14.92	852.40	12.217	15.43	18.06	15.68	17.39
13A1100	13A	G100YR24HR	14.97	1102.23	12.217	15.96	19.03	16.15	18.50
13A1200C	13A	G002YR24HR	14.86	105.35	2.958	14.94	17.01	15.04	15.92
13A1200C	13A	G010YR24HR	14.39	168.09	2.958	15.03	20.09	15.30	17.34
13A1200C	13A	G025YR24HR	13.61	169.04	2.958	15.10	20.77	15.43	18.06
13A1200C	13A	G100YR24HR	12.35	171.65	2.958	15.44	21.51	15.96	19.03
13A1201C	13A	G002YR24HR	14.86	133.10	5.858	14.94	17.01	15.04	15.92
13A1201C	13A	G010YR24HR	14.39	212.36	5.858	15.03	20.09	15.30	17.34
13A1201C	13A	G025YR24HR	13.61	213.56	5.858	15.10	20.77	15.43	18.06
13A1201C	13A	G100YR24HR	12.35	216.85	5.858	15.44	21.51	15.96	19.03
13A1202C	13A	G002YR24HR	14.86	133.10	11.604	14.94	17.01	15.04	15.92
13A1202C	13A	G010YR24HR	14.39	212.36	10.107	15.03	20.09	15.30	17.34
13A1202C	13A	G025YR24HR	13.61	213.56	-10.814	15.10	20.77	15.43	18.06
13A1202C	13A	G100YR24HR	12.35	216.85	-11.292	15.44	21.51	15.96	19.03
13A1400	13A	G002YR24HR	14.83	369.90	9.534	14.88	18.45	14.94	17.01
13A1400	13A	G010YR24HR	14.91	654.52	13.371	14.98	20.80	15.03	20.09
13A1400	13A	G025YR24HR	14.97	832.44	13.840	15.03	21.50	15.10	20.77
13A1400	13A	G100YR24HR	15.17	1075.16	14.059	15.32	22.24	15.44	21.51
13A1500C	13A	G002YR24HR	14.21	114.27	6.885	14.87	18.90	14.88	18.45
13A1500C	13A	G010YR24HR	14.88	215.44	6.885	14.91	23.76	14.98	20.80
13A1500C	13A	G025YR24HR	14.94	273.96	6.885	14.96	26.29	15.03	21.50
13A1500C	13A	G100YR24HR	15.15	353.79	6.885	15.17	30.23	15.32	22.24
13A1501C_1	13A	G002YR24HR	14.74	129.31	5.478	14.87	18.90	14.88	18.45
13A1501C_1	13A	G010YR24HR	14.88	219.07	5.478	14.91	23.76	14.98	20.80
13A1501C_1	13A	G025YR24HR	14.94	278.58	5.478	14.96	26.29	15.03	21.50
13A1501C_1	13A	G100YR24HR	15.15	359.75	5.478	15.17	30.23	15.32	22.24
13A1501C_2	13A	G002YR24HR	14.74	129.31	5.478	14.87	18.90	14.88	18.45
13A1501C_2	13A	G010YR24HR	14.88	219.07	5.478	14.91	23.76	14.98	20.80
13A1501C_2	13A	G025YR24HR	14.94	278.58	5.478	14.96	26.29	15.03	21.50
13A1501C_2	13A	G100YR24HR	15.15	359.75	5.478	15.17	30.23	15.32	22.24
13A1700	13A	G002YR24HR	14.71	368.52	12.959	14.78	21.45	14.87	18.90
13A1700	13A	G010YR24HR	14.76	651.73	103.063	14.88	24.58	14.91	23.76
13A1700	13A	G025YR24HR	14.74	829.60	103.225	14.95	26.59	14.96	26.29
13A1700	13A	G100YR24HR	14.89	1070.46	103.196	15.17	30.30	15.17	30.23
13A1800	13A	G002YR24HR	14.63	364.12	17.364	14.69	22.76	14.78	21.45
13A1800	13A	G010YR24HR	14.61	645.65	17.364	14.82	25.29	14.88	24.58
13A1800	13A	G025YR24HR	14.46	826.13	17.364	14.90	27.04	14.95	26.59
13A1800	13A	G100YR24HR	14.36	1068.38	17.364	15.16	30.47	15.17	30.30
13A1900	13A	G002YR24HR	14.56	362.87	3.947	14.60	25.32	14.69	22.76
13A1900	13A	G010YR24HR	14.44	645.71	3.947	14.69	26.64	14.82	25.29
13A1900	13A	G025YR24HR	14.30	831.41	3.947	14.81	27.64	14.90	27.04
13A1900	13A	G100YR24HR	14.07	1084.16	-34.638	15.14	30.61	15.16	30.47
13A2000B	13A	G002YR24HR	14.55	360.26	10.317	14.58	26.07	14.60	25.32
13A2000B	13A	G010YR24HR	13.74	506.49	-114.793	14.59	27.55	14.69	26.64
13A2000B	13A	G025YR24HR	12.86	493.76	-110.615	14.66	28.08	14.81	27.64
13A2000B	13A	G100YR24HR	28.58	497.44	-109.031	15.14	30.63	15.14	30.61
13A2200	13A	G002YR24HR	14.58	361.33	41.716	14.58	27.79	14.58	26.07
13A2200	13A	G010YR24HR	14.35	641.60	72.477	13.80	29.46	14.59	27.55
13A2200	13A	G025YR24HR	14.11	830.24	72.080	14.20	29.91	14.66	28.08
13A2200	13A	G100YR24HR	13.83	1123.41	-71.804	14.95	31.38	15.14	30.63
13A2200G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2210D	13A	G002YR24HR	14.12	1.87	0.000	14.12	30.70	14.58	27.79
13A2210D	13A	G010YR24HR	13.16	6.29	0.001	13.16	31.16	13.80	29.46
13A2210D	13A	G025YR24HR	13.02	10.72	0.001	13.02	31.52	14.20	29.91
13A2210D	13A	G100YR24HR	12.68	15.69	0.002	13.07	32.22	14.95	31.38
13A2300	13A	G002YR24HR	14.42	354.03	10.453	14.43	29.50	14.58	27.79
13A2300	13A	G010YR24HR	14.36	627.02	10.453	14.35	31.11	13.80	29.46
13A2300	13A	G025YR24HR	14.21	808.15	10.453	14.21	31.81	14.20	29.91
13A2300	13A	G100YR24HR	13.83	1103.70	10.453	14.24	32.96	14.95	31.38
13A2325B	13A	G002YR24HR	14.36	354.00	9.610	14.42	29.73	14.43	29.50
13A2325B	13A	G010YR24HR	13.62	1109.42	536.875	13.62	31.39	14.35	31.11
13A2325B	13A	G025YR24HR	12.80	1113.77	540.659	14.20	32.08	14.21	31.81
13A2325B	13A	G100YR24HR	12.31	1107.08	540.868	14.17	33.18	14.24	32.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A2400	13A	G002YR24HR	14.29	353.38	10.689	14.35	30.62	14.42	29.73
13A2400	13A	G010YR24HR	13.63	647.42	54.481	13.62	31.85	13.62	31.39
13A2400	13A	G025YR24HR	14.13	805.25	52.246	14.19	32.59	14.20	32.08
13A2400	13A	G100YR24HR	13.83	1104.35	49.298	14.08	33.64	14.17	33.18
13A2500B	13A	G002YR24HR	14.22	353.21	12.334	14.32	31.19	14.35	30.62
13A2500B	13A	G010YR24HR	12.82	623.03	-207.546	14.28	32.68	13.62	31.85
13A2500B	13A	G025YR24HR	12.44	627.14	-206.953	14.14	33.38	14.19	32.59
13A2500B	13A	G100YR24HR	12.43	629.05	-206.771	13.95	34.09	14.08	33.64
13A2750	13A	G002YR24HR	13.94	350.85	8.109	14.18	32.24	14.32	31.19
13A2750	13A	G010YR24HR	14.17	609.91	8.109	14.24	33.34	14.28	32.68
13A2750	13A	G025YR24HR	14.08	783.43	8.109	14.11	33.97	14.14	33.38
13A2750	13A	G100YR24HR	13.83	1069.68	8.109	13.89	34.72	13.95	34.09
13A2800	13A	G002YR24HR	13.47	335.88	16.389	13.66	34.25	14.18	32.24
13A2800	13A	G010YR24HR	13.59	568.60	16.389	13.74	35.29	14.24	33.34
13A2800	13A	G025YR24HR	13.58	720.14	16.389	13.75	35.75	14.11	33.97
13A2800	13A	G100YR24HR	13.64	938.33	16.389	13.74	36.42	13.89	34.72
13A2810D	13A	G002YR24HR	26.41	2.05	-0.592	20.31	33.29	13.66	34.25
13A2810D	13A	G010YR24HR	26.24	2.11	0.015	20.22	34.12	13.74	35.29
13A2810D	13A	G025YR24HR	21.49	2.80	0.022	19.54	34.69	13.75	35.75
13A2810D	13A	G100YR24HR	18.11	6.84	0.029	16.60	35.96	13.74	36.42
13A2900	13A	G002YR24HR	13.28	353.97	20.292	13.31	36.84	13.66	34.25
13A2900	13A	G010YR24HR	13.18	604.06	20.292	13.26	37.65	13.74	35.29
13A2900	13A	G025YR24HR	13.15	766.56	20.292	13.20	38.10	13.75	35.75
13A2900	13A	G100YR24HR	13.07	1011.58	20.292	13.19	38.76	13.74	36.42
13A3000	13A	G002YR24HR	12.80	317.49	13.292	12.92	37.65	13.31	36.84
13A3000	13A	G010YR24HR	12.93	474.55	13.292	13.07	38.49	13.26	37.65
13A3000	13A	G025YR24HR	13.01	567.51	13.292	13.12	38.98	13.20	38.10
13A3000	13A	G100YR24HR	13.22	699.78	13.292	13.20	39.67	13.19	38.76
13A3100C	13A	G002YR24HR	12.09	70.18	55.998	12.91	37.68	12.92	37.65
13A3100C	13A	G010YR24HR	12.25	79.15	55.998	13.06	38.53	13.07	38.49
13A3100C	13A	G025YR24HR	12.29	87.12	55.998	13.10	39.03	13.12	38.98
13A3100C	13A	G100YR24HR	12.17	96.39	55.998	13.19	39.73	13.20	39.67
13A3101C	13A	G002YR24HR	12.09	72.49	59.335	12.91	37.68	12.92	37.65
13A3101C	13A	G010YR24HR	12.25	81.76	59.335	13.06	38.53	13.07	38.49
13A3101C	13A	G025YR24HR	12.29	89.99	59.335	13.10	39.03	13.12	38.98
13A3101C	13A	G100YR24HR	12.17	99.56	59.335	13.19	39.73	13.20	39.67
13A3102C	13A	G002YR24HR	12.09	69.02	55.292	12.91	37.68	12.92	37.65
13A3102C	13A	G010YR24HR	12.25	77.85	55.292	13.06	38.53	13.07	38.49
13A3102C	13A	G025YR24HR	12.29	85.68	55.292	13.10	39.03	13.12	38.98
13A3102C	13A	G100YR24HR	12.17	94.80	55.292	13.19	39.73	13.20	39.67
13A3300	13A	G002YR24HR	12.56	318.20	13.035	12.81	37.93	12.91	37.68
13A3300	13A	G010YR24HR	12.63	478.08	13.035	12.94	38.82	13.06	38.53
13A3300	13A	G025YR24HR	12.49	575.27	13.035	12.97	39.35	13.10	39.03
13A3300	13A	G100YR24HR	12.65	695.74	13.035	13.00	40.22	13.19	39.73
13A3310C	13A	G002YR24HR	12.32	10.65	0.004	12.55	39.87	12.81	37.93
13A3310C	13A	G010YR24HR	12.53	11.60	0.299	12.62	42.01	12.94	38.82
13A3310C	13A	G025YR24HR	12.20	11.84	0.029	12.30	42.19	12.97	39.35
13A3310C	13A	G100YR24HR	12.03	11.84	0.021	12.13	42.36	13.00	40.22
13A3310W	13A	G002YR24HR	0.00	0.00	0.000	12.55	39.87	12.81	37.93
13A3310W	13A	G010YR24HR	12.62	3.24	0.003	12.62	42.01	12.94	38.82
13A3310W	13A	G025YR24HR	12.30	25.02	0.028	12.30	42.19	12.97	39.35
13A3310W	13A	G100YR24HR	12.13	55.31	0.059	12.13	42.36	13.00	40.22
13A3400	13A	G002YR24HR	12.55	307.21	12.086	12.64	38.98	12.81	37.93
13A3400	13A	G010YR24HR	12.64	460.15	12.086	12.74	40.10	12.94	38.82
13A3400	13A	G025YR24HR	12.66	548.61	12.086	12.79	40.62	12.97	39.35
13A3400	13A	G100YR24HR	12.87	666.29	12.086	12.88	41.27	13.00	40.22
13A3410W	13A	G002YR24HR	0.00	0.00	0.000	25.50	47.61	12.64	38.98
13A3410W	13A	G010YR24HR	32.10	0.22	0.000	32.10	48.76	12.74	40.10
13A3410W	13A	G025YR24HR	19.66	5.04	0.000	19.66	48.85	12.79	40.62
13A3410W	13A	G100YR24HR	15.73	15.01	0.001	15.73	48.96	12.88	41.27
13A3430W	13A	G002YR24HR	0.00	0.00	0.000	38.50	50.05	25.50	47.61
13A3430W	13A	G010YR24HR	19.96	2.40	0.000	19.96	50.61	32.10	48.76
13A3430W	13A	G025YR24HR	16.88	5.61	0.001	16.88	50.68	19.66	48.85
13A3430W	13A	G100YR24HR	15.14	13.58	0.002	15.14	50.77	15.73	48.96
13A3500C_1	13A	G002YR24HR	12.68	90.99	7.816	12.64	39.08	12.64	38.98

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3500C_1	13A	G010YR24HR	12.94	133.40	7.816	12.76	40.32	12.74	40.10
13A3500C_1	13A	G025YR24HR	13.83	141.07	7.816	12.83	40.85	12.79	40.62
13A3500C_1	13A	G100YR24HR	28.97	159.59	7.816	12.98	41.50	12.88	41.27
13A3500C_2	13A	G002YR24HR	12.68	90.99	7.816	12.64	39.08	12.64	38.98
13A3500C_2	13A	G010YR24HR	12.94	133.40	7.816	12.76	40.32	12.74	40.10
13A3500C_2	13A	G025YR24HR	13.83	141.07	7.816	12.83	40.85	12.79	40.62
13A3500C_2	13A	G100YR24HR	28.97	159.59	7.816	12.98	41.50	12.88	41.27
13A3501C	13A	G002YR24HR	12.68	85.83	11.290	12.64	39.08	12.64	38.98
13A3501C	13A	G010YR24HR	12.94	125.85	11.290	12.76	40.32	12.74	40.10
13A3501C	13A	G025YR24HR	13.83	133.08	11.290	12.83	40.85	12.79	40.62
13A3501C	13A	G100YR24HR	28.97	150.55	11.290	12.98	41.50	12.88	41.27
13A3700	13A	G002YR24HR	12.69	260.53	5.513	12.67	39.90	12.64	39.08
13A3700	13A	G010YR24HR	12.90	391.47	5.513	12.81	40.95	12.76	40.32
13A3700	13A	G025YR24HR	13.07	468.34	5.513	12.92	41.47	12.83	40.85
13A3700	13A	G100YR24HR	13.31	579.43	5.513	13.13	42.11	12.98	41.50
13A3800C_1	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_1	13A	G010YR24HR	12.86	130.30	7.918	12.82	41.04	12.81	40.95
13A3800C_1	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_1	13A	G100YR24HR	13.29	192.93	7.918	13.17	42.52	13.13	42.11
13A3800C_2	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_2	13A	G010YR24HR	12.86	130.30	7.918	12.82	41.04	12.81	40.95
13A3800C_2	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_2	13A	G100YR24HR	13.29	192.93	7.918	13.17	42.52	13.13	42.11
13A3800C_3	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_3	13A	G010YR24HR	12.86	130.30	7.918	12.82	41.04	12.81	40.95
13A3800C_3	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_3	13A	G100YR24HR	13.29	192.93	7.918	13.17	42.52	13.13	42.11
13A3905C	13A	G002YR24HR	11.21	3.52	1.980	12.67	40.00	12.67	39.99
13A3905C	13A	G010YR24HR	11.72	4.10	1.980	12.82	41.05	12.82	41.04
13A3905C	13A	G025YR24HR	8.12	3.31	1.980	12.93	41.57	12.93	41.56
13A3905C	13A	G100YR24HR	6.40	3.35	1.980	13.17	42.52	13.17	42.52
13A3905W	13A	G002YR24HR	12.53	8.34	-0.066	12.67	40.00	12.67	39.99
13A3905W	13A	G010YR24HR	12.49	12.88	0.055	12.82	41.05	12.82	41.04
13A3905W	13A	G025YR24HR	12.34	25.09	-0.286	12.93	41.57	12.93	41.56
13A3905W	13A	G100YR24HR	12.12	45.07	1.506	13.17	42.52	13.17	42.52
13A3915C	13A	G002YR24HR	12.15	1.66	0.001	12.16	41.17	2.35	41.51
13A3915C	13A	G010YR24HR	12.13	2.01	0.001	12.13	41.25	1.56	41.51
13A3915C	13A	G025YR24HR	12.14	2.21	-0.001	12.93	41.58	12.93	41.56
13A3915C	13A	G100YR24HR	12.07	2.46	-0.148	13.17	42.52	13.17	42.52
13A3915W	13A	G002YR24HR	12.16	105.34	0.026	12.16	41.17	12.67	39.99
13A3915W	13A	G010YR24HR	12.13	172.10	0.025	12.13	41.25	12.82	41.04
13A3915W	13A	G025YR24HR	12.14	213.13	0.220	12.93	41.58	12.93	41.56
13A3915W	13A	G100YR24HR	12.08	269.10	-0.375	13.17	42.52	13.17	42.52
13A3925S	13A	G002YR24HR	12.10	58.37	-0.576	12.11	42.29	12.16	41.17
13A3925S	13A	G010YR24HR	12.09	88.37	0.611	12.09	43.82	12.13	41.25
13A3925S	13A	G025YR24HR	12.15	103.58	-0.677	12.15	44.84	12.93	41.58
13A3925S	13A	G100YR24HR	12.20	120.76	-1.502	12.36	46.53	13.17	42.52
13A3935S	13A	G002YR24HR	12.37	25.43	-0.120	12.11	42.46	12.11	42.29
13A3935S	13A	G010YR24HR	13.23	48.02	-2.724	12.09	44.07	12.09	43.82
13A3935S	13A	G025YR24HR	14.49	52.92	-2.736	12.46	45.23	12.15	44.84
13A3935S	13A	G100YR24HR	15.11	56.74	-2.480	12.63	47.31	12.36	46.53
13A3945S	13A	G002YR24HR	12.38	19.27	0.095	12.11	42.50	12.11	42.46
13A3945S	13A	G010YR24HR	13.43	46.22	-1.440	12.63	44.29	12.09	44.07
13A3945S	13A	G025YR24HR	14.53	51.41	-1.396	12.59	45.66	12.46	45.23
13A3945S	13A	G100YR24HR	15.34	55.10	-1.836	12.72	47.77	12.63	47.31
13A3951S	13A	G002YR24HR	18.57	3.67	0.001	18.66	45.43	18.57	42.61
13A3951S	13A	G010YR24HR	14.57	5.09	-0.098	20.41	47.13	12.63	44.29
13A3951S	13A	G025YR24HR	17.08	5.78	0.035	22.28	47.85	12.59	45.66
13A3951S	13A	G100YR24HR	24.12	6.49	-0.056	24.43	48.97	12.72	47.77
13A3975S	13A	G002YR24HR	13.00	9.26	0.275	12.11	42.49	12.11	42.50
13A3975S	13A	G010YR24HR	13.75	39.04	0.224	12.96	44.62	12.63	44.29
13A3975S	13A	G025YR24HR	14.83	44.31	0.299	12.95	45.96	12.59	45.66
13A3975S	13A	G100YR24HR	15.79	48.22	0.728	12.91	47.97	12.72	47.77
13A3985S	13A	G002YR24HR	13.10	9.16	0.124	13.10	42.83	13.10	42.68
13A3985S	13A	G010YR24HR	13.75	38.93	0.340	13.08	44.80	14.05	44.95
13A3985S	13A	G025YR24HR	14.84	44.26	-0.263	13.27	46.43	12.95	45.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3985S	13A	G100YR24HR	15.79	48.18	-0.497	13.65	48.43	12.91	47.97
13A4000	13A	G002YR24HR	12.92	196.69	81.235	12.76	40.38	12.67	39.99
13A4000	13A	G010YR24HR	13.07	293.22	81.220	12.87	41.27	12.82	41.04
13A4000	13A	G025YR24HR	13.04	361.61	81.226	12.95	41.75	12.93	41.56
13A4000	13A	G100YR24HR	27.34	528.20	-81.236	13.18	42.65	13.17	42.52
13A4100	13A	G002YR24HR	12.50	191.40	12.038	12.68	40.72	12.76	40.38
13A4100	13A	G010YR24HR	35.10	268.18	12.038	12.85	41.52	12.87	41.27
13A4100	13A	G025YR24HR	12.79	342.00	12.038	12.91	42.02	12.95	41.75
13A4100	13A	G100YR24HR	27.55	508.75	12.038	13.15	42.90	13.18	42.65
13A4110C	13A	G002YR24HR	13.42	8.51	-7.591	12.92	40.44	12.76	40.38
13A4110C	13A	G010YR24HR	12.81	20.81	-0.194	12.87	41.51	12.87	41.27
13A4110C	13A	G025YR24HR	32.72	25.01	-0.126	12.92	42.02	12.95	41.75
13A4110C	13A	G100YR24HR	55.41	26.57	-0.079	13.15	42.90	13.18	42.65
13A4110W	13A	G002YR24HR	0.00	0.00	0.000	12.92	40.44	12.68	40.72
13A4110W	13A	G010YR24HR	0.00	0.00	0.011	12.87	41.51	12.85	41.52
13A4110W	13A	G025YR24HR	13.82	1.50	-0.274	12.92	42.02	12.91	42.02
13A4110W	13A	G100YR24HR	13.62	2.86	0.676	13.15	42.90	13.15	42.90
13A4200	13A	G002YR24HR	12.44	194.33	11.539	12.46	42.23	12.68	40.72
13A4200	13A	G010YR24HR	12.44	289.20	11.539	12.50	43.06	12.85	41.52
13A4200	13A	G025YR24HR	32.39	354.50	11.539	12.73	43.56	12.91	42.02
13A4200	13A	G100YR24HR	27.74	526.22	11.539	24.75	44.55	13.15	42.90
13A4300	13A	G002YR24HR	12.44	189.75	12.770	12.44	43.79	12.46	42.23
13A4300	13A	G010YR24HR	12.45	282.13	12.770	12.45	44.77	12.50	43.06
13A4300	13A	G025YR24HR	32.36	354.50	12.770	32.36	45.37	12.73	43.56
13A4300	13A	G100YR24HR	27.70	526.16	12.770	27.73	46.48	24.75	44.55
13A4400	13A	G002YR24HR	12.71	157.30	13.443	12.55	44.39	12.44	43.79
13A4400	13A	G010YR24HR	35.06	271.70	13.443	35.08	45.49	12.45	44.77
13A4400	13A	G025YR24HR	32.08	354.52	13.443	32.17	46.24	32.36	45.37
13A4400	13A	G100YR24HR	27.44	526.22	13.443	27.59	47.28	27.73	46.48
13A4500W	13A	G002YR24HR	12.61	151.50	9.407	12.56	44.76	12.55	44.39
13A4500W	13A	G010YR24HR	35.47	248.24	9.407	35.18	45.95	35.08	45.49
13A4500W	13A	G025YR24HR	34.19	322.16	9.407	32.78	46.74	32.17	46.24
13A4500W	13A	G100YR24HR	31.51	467.23	9.407	28.66	47.89	27.59	47.28
13A4700	13A	G002YR24HR	12.56	151.37	5.921	12.56	45.58	12.56	44.76
13A4700	13A	G010YR24HR	35.36	248.22	5.921	35.26	46.58	35.18	45.95
13A4700	13A	G025YR24HR	34.08	322.07	5.921	33.19	47.18	32.78	46.74
13A4700	13A	G100YR24HR	31.41	466.96	5.921	29.23	48.25	28.66	47.89
13A4800	13A	G002YR24HR	38.72	137.22	9.611	12.57	45.65	12.56	45.58
13A4800	13A	G010YR24HR	35.14	248.22	9.611	35.24	46.67	35.26	46.58
13A4800	13A	G025YR24HR	33.86	321.96	9.611	33.23	47.24	33.19	47.18
13A4800	13A	G100YR24HR	61.90	871.19	543.630	29.46	48.51	29.23	48.25
13A4900B	13A	G002YR24HR	38.70	137.22	9.724	12.58	45.93	12.57	45.65
13A4900B	13A	G010YR24HR	35.12	248.22	9.724	35.21	47.12	35.24	46.67
13A4900B	13A	G025YR24HR	33.85	321.96	9.724	33.42	47.78	33.23	47.24
13A4900B	13A	G100YR24HR	31.18	466.56	9.724	29.88	49.31	29.46	48.51
13A5050	13A	G002YR24HR	38.67	137.22	12.601	38.66	46.14	12.58	45.93
13A5050	13A	G010YR24HR	35.07	248.22	12.601	35.16	47.44	35.21	47.12
13A5050	13A	G025YR24HR	33.80	321.95	12.601	33.54	48.10	33.42	47.78
13A5050	13A	G100YR24HR	31.14	466.51	12.601	30.00	49.46	29.88	49.31
13A5100	13A	G002YR24HR	38.49	137.23	11.219	38.63	46.45	38.66	46.14
13A5100	13A	G010YR24HR	34.65	239.68	11.219	35.06	47.74	35.16	47.44
13A5100	13A	G025YR24HR	33.62	266.25	11.219	33.55	48.31	33.54	48.10
13A5100	13A	G100YR24HR	30.90	390.98	11.219	30.09	49.60	30.00	49.46
13A5200	13A	G002YR24HR	38.44	137.23	11.231	38.50	47.15	38.63	46.45
13A5200	13A	G010YR24HR	34.56	239.70	11.231	34.86	48.49	35.06	47.74
13A5200	13A	G025YR24HR	33.54	266.25	-11.369	33.55	49.00	33.55	48.31
13A5200	13A	G100YR24HR	30.83	390.94	11.231	30.34	50.22	30.09	49.60
13A5300	13A	G002YR24HR	34.32	138.45	11.877	36.81	47.50	38.50	47.15
13A5300	13A	G010YR24HR	31.91	250.57	11.877	33.48	48.93	34.86	48.49
13A5300	13A	G025YR24HR	30.67	324.80	11.877	31.72	49.54	33.55	49.00
13A5300	13A	G100YR24HR	26.46	472.22	11.877	29.40	50.58	30.34	50.22
13A5310D	13A	G002YR24HR	12.96	2.05	0.001	12.96	49.48	36.81	47.50
13A5310D	13A	G010YR24HR	12.44	11.86	0.004	12.44	51.05	33.48	48.93
13A5310D	13A	G025YR24HR	12.29	22.15	-0.166	12.30	51.53	31.72	49.54
13A5310D	13A	G100YR24HR	11.98	23.49	-0.094	12.10	51.85	29.40	50.58

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A5310W	13A	G002YR24HR	0.00	0.00	0.000	12.96	49.48	36.81	47.50
13A5310W	13A	G010YR24HR	0.00	0.00	0.000	12.44	51.05	33.48	48.93
13A5310W	13A	G025YR24HR	0.00	0.00	0.000	12.30	51.53	31.72	49.54
13A5310W	13A	G100YR24HR	12.10	23.43	0.033	12.10	51.85	29.40	50.58
13A5400	13A	G002YR24HR	34.29	138.45	12.697	35.16	48.33	36.81	47.50
13A5400	13A	G010YR24HR	31.88	250.59	12.697	32.51	49.95	33.48	48.93
13A5400	13A	G025YR24HR	30.66	324.83	12.697	30.95	50.79	31.72	49.54
13A5400	13A	G100YR24HR	26.44	472.32	12.697	26.64	52.21	29.40	50.58
13A5500	13A	G002YR24HR	34.25	138.46	12.207	34.84	48.75	35.16	48.33
13A5500	13A	G010YR24HR	31.84	250.61	12.207	32.34	50.39	32.51	49.95
13A5500	13A	G025YR24HR	30.62	324.97	12.207	30.88	51.24	30.95	50.79
13A5500	13A	G100YR24HR	26.40	472.36	-16.853	26.58	52.67	26.64	52.21
13A5600	13A	G002YR24HR	34.21	138.46	12.303	34.46	49.35	34.84	48.75
13A5600	13A	G010YR24HR	31.76	250.13	109.782	32.17	50.75	32.34	50.39
13A5600	13A	G025YR24HR	30.90	438.33	-152.494	30.86	51.73	30.88	51.24
13A5600	13A	G100YR24HR	45.61	678.44	-329.305	26.59	52.95	26.58	52.67
13A5700B	13A	G002YR24HR	34.19	138.46	11.962	34.33	50.04	34.46	49.35
13A5700B	13A	G010YR24HR	31.73	250.14	11.962	32.04	51.46	32.17	50.75
13A5700B	13A	G025YR24HR	30.46	308.57	-24.355	30.70	52.49	30.86	51.73
13A5700B	13A	G100YR24HR	49.00	332.70	76.422	26.59	53.41	26.59	52.95
13A5900W	13A	G002YR24HR	34.18	138.46	47.328	34.21	51.49	34.33	50.04
13A5900W	13A	G010YR24HR	31.71	250.14	47.328	31.86	52.51	32.04	51.46
13A5900W	13A	G025YR24HR	30.42	308.40	47.328	30.64	53.04	30.70	52.49
13A5900W	13A	G100YR24HR	26.60	410.34	47.328	26.60	53.78	26.59	53.41
13A5910W	13A	G002YR24HR	0.00	0.00	0.000	34.21	51.49	34.84	48.75
13A5910W	13A	G010YR24HR	31.86	0.50	0.000	31.86	52.51	32.34	50.39
13A5910W	13A	G025YR24HR	30.64	16.48	0.000	30.64	53.04	30.88	51.24
13A5910W	13A	G100YR24HR	26.60	55.20	0.001	26.60	53.78	26.58	52.67
13A6200	13A	G002YR24HR	31.80	138.85	0.923	33.78	51.68	34.21	51.49
13A6200	13A	G010YR24HR	29.89	251.49	1.477	31.44	52.74	31.86	52.51
13A6200	13A	G025YR24HR	28.73	326.80	1.622	30.18	53.27	30.64	53.04
13A6200	13A	G100YR24HR	25.79	469.09	3.491	26.31	53.94	26.60	53.78
13B0200W	13B	G002YR24HR	12.47	58.28	0.008	12.47	15.58	15.36	10.69
13B0200W	13B	G010YR24HR	12.43	113.37	0.019	12.43	15.94	15.58	12.40
13B0200W	13B	G025YR24HR	12.45	154.19	0.023	12.45	16.15	15.66	13.39
13B0200W	13B	G100YR24HR	12.53	214.31	0.027	12.53	16.42	15.90	14.48
13B0300C	13B	G002YR24HR	12.46	55.19	-1.232	12.47	15.94	12.47	15.58
13B0300C	13B	G010YR24HR	12.41	104.95	1.403	12.42	17.24	12.43	15.94
13B0300C	13B	G025YR24HR	12.42	140.98	1.403	12.43	18.49	12.45	16.15
13B0300C	13B	G100YR24HR	12.50	190.93	-1.231	12.50	20.71	12.53	16.42
13B0500	13B	G002YR24HR	12.42	55.88	1.814	12.42	18.63	12.47	15.94
13B0500	13B	G010YR24HR	12.35	102.96	1.806	12.33	19.27	12.42	17.24
13B0500	13B	G025YR24HR	12.32	135.55	1.796	12.38	19.69	12.43	18.49
13B0500	13B	G100YR24HR	12.36	178.53	1.764	12.49	21.04	12.50	20.71
13B0600	13B	G002YR24HR	12.34	57.82	11.641	12.26	22.13	12.42	18.63
13B0600	13B	G010YR24HR	12.26	98.63	12.827	12.09	22.52	12.33	19.27
13B0600	13B	G025YR24HR	12.26	130.01	12.531	12.25	22.70	12.38	19.69
13B0600	13B	G100YR24HR	12.26	185.29	11.643	12.27	23.03	12.49	21.04
13C0100	13C	G002YR24HR	16.12	179.94	-6.819	15.37	15.02	15.36	15.01
13C0100	13C	G010YR24HR	18.32	306.03	-6.881	15.63	16.51	15.63	16.50
13C0100	13C	G025YR24HR	17.86	376.61	-6.947	15.71	17.35	15.70	17.34
13C0100	13C	G100YR24HR	22.28	667.21	-7.090	16.17	18.47	16.16	18.46
13C0200	13C	G002YR24HR	16.01	174.79	0.030	15.41	15.11	15.37	15.02
13C0200	13C	G010YR24HR	18.06	295.37	0.030	15.65	16.54	15.63	16.51
13C0200	13C	G025YR24HR	17.81	365.25	0.030	15.72	17.37	15.71	17.35
13C0200	13C	G100YR24HR	22.26	661.79	-0.035	16.17	18.49	16.17	18.47
13C0300	13C	G002YR24HR	15.92	173.19	-7.779	15.54	15.36	15.41	15.11
13C0300	13C	G010YR24HR	17.97	291.55	-7.593	15.68	16.65	15.65	16.54
13C0300	13C	G025YR24HR	17.79	361.08	-7.867	15.76	17.44	15.72	17.37
13C0300	13C	G100YR24HR	22.25	660.42	-8.736	16.22	18.55	16.17	18.49
13C0400D	13C	G002YR24HR	12.18	46.06	-2.553	15.65	15.73	15.54	15.36
13C0400D	13C	G010YR24HR	11.88	44.44	-1.797	15.85	16.99	15.68	16.65
13C0400D	13C	G025YR24HR	11.79	41.71	-1.847	15.86	17.78	15.76	17.44
13C0400D	13C	G100YR24HR	22.56	53.90	-1.762	18.08	19.03	16.22	18.55
13C0401D	13C	G002YR24HR	12.19	43.07	-0.445	15.65	15.73	15.54	15.36
13C0401D	13C	G010YR24HR	11.91	41.74	-0.440	15.85	16.99	15.68	16.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C0401D	13C	G025YR24HR	11.81	39.45	-0.442	15.86	17.78	15.76	17.44
13C0401D	13C	G100YR24HR	22.55	53.65	-0.445	18.08	19.03	16.22	18.55
13C0600	13C	G002YR24HR	15.83	171.82	0.052	15.67	15.83	15.65	15.73
13C0600	13C	G010YR24HR	17.82	286.83	0.052	15.87	17.10	15.85	16.99
13C0600	13C	G025YR24HR	17.70	353.98	0.052	15.88	17.88	15.86	17.78
13C0600	13C	G100YR24HR	22.18	657.67	0.052	20.63	19.19	18.08	19.03
13C0650C	13C	G002YR24HR	20.23	94.52	-11.405	15.83	15.96	15.67	15.83
13C0650C	13C	G010YR24HR	22.94	152.83	-11.405	16.67	17.33	15.87	17.10
13C0650C	13C	G025YR24HR	27.63	214.28	-11.405	17.17	18.14	15.88	17.88
13C0650C	13C	G100YR24HR	32.67	267.72	-11.405	22.17	19.86	20.63	19.19
13C0800	13C	G002YR24HR	15.04	110.65	0.344	15.22	16.96	15.67	15.83
13C0800	13C	G010YR24HR	15.20	212.71	0.344	15.39	17.78	15.87	17.10
13C0800	13C	G025YR24HR	14.64	300.12	0.344	15.40	18.34	15.88	17.88
13C0800	13C	G100YR24HR	14.33	456.17	0.344	17.69	19.36	20.63	19.19
13C0900C	13C	G002YR24HR	14.96	111.09	-0.522	15.11	17.31	15.22	16.96
13C0900C	13C	G010YR24HR	15.00	205.69	-0.531	15.15	19.56	15.39	17.78
13C0900C	13C	G025YR24HR	12.56	216.54	-0.535	14.65	19.95	15.40	18.34
13C0900C	13C	G100YR24HR	12.21	227.51	-0.537	14.32	20.30	17.69	19.36
13C1100	13C	G002YR24HR	14.88	110.25	-12.468	14.88	19.82	15.11	17.31
13C1100	13C	G010YR24HR	14.96	214.17	-12.489	15.03	21.02	15.15	19.56
13C1100	13C	G025YR24HR	14.50	304.46	-12.508	14.52	21.48	14.65	19.95
13C1100	13C	G100YR24HR	14.17	469.36	-12.536	14.18	22.05	14.32	20.30
13C1200	13C	G002YR24HR	14.70	106.01	-11.806	14.58	23.64	14.88	19.82
13C1200	13C	G010YR24HR	14.76	210.37	-12.414	14.35	24.19	15.03	21.02
13C1200	13C	G025YR24HR	14.27	296.20	-12.239	14.11	24.47	14.52	21.48
13C1200	13C	G100YR24HR	14.04	454.20	-11.430	13.89	24.91	14.18	22.05
13C1300	13C	G002YR24HR	14.30	105.39	-0.916	14.05	25.13	14.58	23.64
13C1300	13C	G010YR24HR	14.72	207.04	-3.793	14.45	25.72	14.35	24.19
13C1300	13C	G025YR24HR	14.13	290.79	2.455	14.14	26.04	14.11	24.47
13C1300	13C	G100YR24HR	13.93	446.10	2.678	13.94	26.52	13.89	24.91
13C1350	13C	G002YR24HR	14.26	102.63	0.974	14.26	26.26	14.05	25.13
13C1350	13C	G010YR24HR	14.31	203.83	1.296	14.31	26.82	14.45	25.72
13C1350	13C	G025YR24HR	14.05	287.82	1.266	14.06	27.17	14.14	26.04
13C1350	13C	G100YR24HR	13.81	436.80	1.290	13.83	27.63	13.94	26.52
13C1350W_1	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_1	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_1	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_1	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_2	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_2	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_2	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_2	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_3	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_3	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_3	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_3	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_4	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_4	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_4	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_4	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1400	13C	G002YR24HR	13.64	58.32	0.173	13.85	27.11	14.26	26.26
13C1400	13C	G010YR24HR	13.82	113.45	0.173	13.98	27.55	14.31	26.82
13C1400	13C	G025YR24HR	13.36	176.59	0.173	13.61	27.83	14.06	27.17
13C1400	13C	G100YR24HR	13.08	288.54	0.173	13.35	28.21	13.83	27.63
13C1500	13C	G002YR24HR	13.60	57.44	1.595	13.58	28.08	13.85	27.11
13C1500	13C	G010YR24HR	13.68	113.06	1.595	13.62	28.72	13.98	27.55
13C1500	13C	G025YR24HR	13.29	177.14	1.595	13.21	29.15	13.61	27.83
13C1500	13C	G100YR24HR	13.04	288.67	1.595	12.92	29.60	13.35	28.21
13C1500X	13C	G002YR24HR	0.00	0.00	0.000	13.58	28.08	14.05	25.13
13C1500X	13C	G010YR24HR	0.00	0.00	0.000	13.62	28.72	14.45	25.72
13C1500X	13C	G025YR24HR	0.00	0.00	0.000	13.21	29.15	14.14	26.04
13C1500X	13C	G100YR24HR	0.00	0.00	0.000	12.92	29.60	13.94	26.52
13C1600C	13C	G002YR24HR	13.55	57.44	3.627	13.55	28.88	12.61	28.49
13C1600C	13C	G010YR24HR	13.19	83.16	3.624	13.62	30.13	13.62	28.72
13C1600C	13C	G025YR24HR	12.62	84.04	3.627	13.23	30.35	13.21	29.15
13C1600C	13C	G100YR24HR	12.28	84.98	3.627	12.99	30.58	12.92	29.60

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C1800	13C	G002YR24HR	13.22	56.65	0.826	13.48	29.22	13.55	28.88
13C1800	13C	G010YR24HR	13.44	111.88	3.360	13.59	30.24	13.62	30.13
13C1800	13C	G025YR24HR	13.18	173.56	3.369	13.21	30.52	13.23	30.35
13C1800	13C	G100YR24HR	12.98	280.68	3.385	12.98	30.85	12.99	30.58
13C1850	13C	G002YR24HR	13.71	34.24	-5.191	13.55	29.41	13.48	29.22
13C1850	13C	G010YR24HR	14.31	64.77	-6.354	13.65	30.34	13.59	30.24
13C1850	13C	G025YR24HR	13.59	88.91	4.798	13.31	30.64	13.21	30.52
13C1850	13C	G100YR24HR	13.52	133.71	5.391	13.15	31.00	12.98	30.85
13C1900	13C	G002YR24HR	14.82	16.05	0.587	13.93	29.49	13.55	29.41
13C1900	13C	G010YR24HR	14.69	36.35	0.565	14.05	30.38	13.65	30.34
13C1900	13C	G025YR24HR	14.68	52.03	0.565	13.41	30.67	13.31	30.64
13C1900	13C	G100YR24HR	14.63	80.03	0.679	13.32	31.04	13.15	31.00
13C2000	13C	G002YR24HR	12.72	101.77	-96.376	13.48	31.28	13.93	29.49
13C2000	13C	G010YR24HR	31.74	25.87	-19.736	13.62	31.52	14.05	30.38
13C2000	13C	G025YR24HR	44.44	25.49	-19.356	13.58	31.66	13.41	30.67
13C2000	13C	G100YR24HR	11.71	113.47	-108.137	13.47	31.90	13.32	31.04
13C2100C	13C	G002YR24HR	13.15	10.23	0.241	13.16	31.96	13.15	31.13
13C2100C	13C	G010YR24HR	13.22	19.17	0.241	13.24	32.79	13.22	31.71
13C2100C	13C	G025YR24HR	13.36	25.04	0.241	13.37	33.32	13.04	32.45
13C2100C	13C	G100YR24HR	13.35	32.55	0.241	13.35	34.14	12.42	32.45
13C2300W	13C	G002YR24HR	24.12	2.66	-0.001	23.79	31.94	13.16	31.96
13C2300W	13C	G010YR24HR	26.26	6.35	0.041	20.43	32.80	13.24	32.79
13C2300W	13C	G025YR24HR	26.31	7.80	0.047	21.20	33.50	13.37	33.32
13C2300W	13C	G100YR24HR	26.67	10.01	-0.789	22.82	34.78	13.35	34.14
13C2301W	13C	G002YR24HR	0.00	0.00	0.000	23.79	31.94	13.16	31.96
13C2301W	13C	G010YR24HR	0.00	0.00	0.000	20.43	32.80	13.24	32.79
13C2301W	13C	G025YR24HR	0.00	0.00	0.000	21.20	33.50	13.37	33.32
13C2301W	13C	G100YR24HR	0.00	0.00	0.000	22.82	34.78	13.35	34.14
13D0150	13D	G002YR24HR	12.36	159.36	-0.800	14.17	32.24	14.18	32.24
13D0150	13D	G010YR24HR	12.26	295.37	-1.849	14.24	33.35	14.24	33.34
13D0150	13D	G025YR24HR	12.26	381.18	-2.213	14.11	33.97	14.11	33.97
13D0150	13D	G100YR24HR	12.24	540.66	-3.003	13.88	34.72	13.89	34.72
13D0150W	13D	G002YR24HR	0.00	0.00	0.000	14.17	32.24	14.18	32.24
13D0150W	13D	G010YR24HR	0.00	0.00	0.000	14.24	33.35	14.24	33.34
13D0150W	13D	G025YR24HR	13.19	36.69	0.021	14.11	33.97	14.11	33.97
13D0150W	13D	G100YR24HR	12.54	189.21	0.075	13.88	34.72	13.89	34.72
13D0160C_1	13D	G002YR24HR	12.07	0.59	-0.021	14.30	32.25	14.17	32.24
13D0160C_1	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_1	13D	G025YR24HR	10.31	0.32	-0.006	14.30	33.98	14.11	33.97
13D0160C_1	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_2	13D	G002YR24HR	12.07	0.59	-0.021	14.30	32.25	14.17	32.24
13D0160C_2	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_2	13D	G025YR24HR	10.31	0.32	-0.006	14.30	33.98	14.11	33.97
13D0160C_2	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_3	13D	G002YR24HR	12.07	0.59	-0.021	14.30	32.25	14.17	32.24
13D0160C_3	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_3	13D	G025YR24HR	10.31	0.32	-0.006	14.30	33.98	14.11	33.97
13D0160C_3	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_4	13D	G002YR24HR	12.07	0.59	-0.021	14.30	32.25	14.17	32.24
13D0160C_4	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_4	13D	G025YR24HR	10.31	0.32	-0.006	14.30	33.98	14.11	33.97
13D0160C_4	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_5	13D	G002YR24HR	12.07	0.59	-0.021	14.30	32.25	14.17	32.24
13D0160C_5	13D	G010YR24HR	11.27	0.35	-0.006	14.41	33.36	14.24	33.35
13D0160C_5	13D	G025YR24HR	10.31	0.32	-0.006	14.30	33.98	14.11	33.97
13D0160C_5	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160W	13D	G002YR24HR	15.56	3.93	-0.001	14.30	32.25	14.17	32.24
13D0160W	13D	G010YR24HR	15.81	9.50	-0.005	14.41	33.36	14.24	33.35
13D0160W	13D	G025YR24HR	16.38	11.48	-0.006	14.30	33.98	14.11	33.97
13D0160W	13D	G100YR24HR	16.06	11.75	-0.008	14.10	34.74	13.88	34.72
13D0200	13D	G002YR24HR	12.35	166.60	-0.076	12.36	33.44	14.17	32.24
13D0200	13D	G010YR24HR	12.26	320.04	-0.325	12.27	34.73	14.24	33.35
13D0200	13D	G025YR24HR	12.25	422.81	0.372	12.26	35.38	14.11	33.97
13D0200	13D	G100YR24HR	12.23	602.90	-0.634	12.25	36.24	13.88	34.72
13D0300S	13D	G002YR24HR	12.31	85.84	3.788	12.31	37.15	12.31	33.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13D0300S	13D	G010YR24HR	12.23	90.68	3.812	12.23	37.45	12.23	33.63
13D0300S	13D	G025YR24HR	12.20	93.34	4.020	12.20	37.62	15.85	33.69
13D0300S	13D	G100YR24HR	12.06	96.15	9.160	12.22	38.07	12.25	36.24
13D0320S	13D	G002YR24HR	12.39	84.39	3.704	12.34	38.82	12.31	37.15
13D0320S	13D	G010YR24HR	12.28	87.78	-3.696	12.25	39.26	12.23	37.45
13D0320S	13D	G025YR24HR	12.28	89.47	3.681	12.24	39.50	12.20	37.62
13D0320S	13D	G100YR24HR	12.57	90.76	-3.708	12.22	39.88	12.22	38.07
13D0340S	13D	G002YR24HR	13.36	55.88	0.213	12.35	38.92	12.34	38.82
13D0340S	13D	G010YR24HR	13.99	56.33	-0.219	12.25	39.38	12.25	39.26
13D0340S	13D	G025YR24HR	14.28	56.87	-0.209	12.23	39.64	12.24	39.50
13D0340S	13D	G100YR24HR	14.91	56.37	-0.213	12.22	40.05	12.22	39.88
13D0500	13D	G002YR24HR	12.37	118.56	3.924	12.35	39.00	12.35	38.92
13D0500	13D	G010YR24HR	12.25	229.41	-3.922	12.25	39.56	12.25	39.38
13D0500	13D	G025YR24HR	12.22	303.56	3.922	12.23	39.89	12.23	39.64
13D0500	13D	G100YR24HR	12.21	433.19	3.922	12.21	40.28	12.22	40.05
13D0600C	13D	G002YR24HR	12.41	94.27	-0.096	12.40	40.26	12.35	39.00
13D0600C	13D	G010YR24HR	12.67	121.37	-0.097	12.25	41.54	12.25	39.56
13D0600C	13D	G025YR24HR	12.89	121.49	-0.089	12.22	41.70	12.23	39.89
13D0600C	13D	G100YR24HR	13.18	121.60	-0.089	12.21	41.90	12.21	40.28
13D0750	13D	G002YR24HR	12.35	90.37	0.022	12.39	40.56	12.40	40.26
13D0750	13D	G010YR24HR	12.26	172.09	0.046	12.26	41.87	12.25	41.54
13D0750	13D	G025YR24HR	12.25	227.45	0.071	12.23	42.16	12.22	41.70
13D0750	13D	G100YR24HR	12.22	324.59	0.077	12.22	42.61	12.21	41.90
13D0800	13D	G002YR24HR	12.35	51.84	0.007	12.37	41.21	12.39	40.56
13D0800	13D	G010YR24HR	12.34	96.39	0.016	12.28	42.30	12.26	41.87
13D0800	13D	G025YR24HR	12.34	128.01	0.021	12.27	42.66	12.23	42.16
13D0800	13D	G100YR24HR	12.33	183.71	0.025	12.26	43.20	12.22	42.61
13F0200	13F	G002YR24HR	25.37	14.83	0.376	24.98	46.04	12.55	44.39
13F0200	13F	G010YR24HR	25.86	25.35	0.376	32.20	46.41	35.08	45.49
13F0200	13F	G025YR24HR	24.62	45.04	0.376	24.96	46.89	32.17	46.24
13F0200	13F	G100YR24HR	19.35	90.48	0.376	24.35	47.61	27.59	47.28
13F0300C	13F	G002YR24HR	25.36	6.98	0.557	25.36	46.93	25.36	46.43
13F0300C	13F	G010YR24HR	25.90	12.42	0.557	25.90	47.65	25.14	46.75
13F0300C	13F	G025YR24HR	24.58	15.50	0.557	24.58	48.02	24.32	46.90
13F0300C	13F	G100YR24HR	15.87	17.09	0.557	20.10	48.37	24.35	47.61
13F0301C	13F	G002YR24HR	25.36	7.85	0.992	25.36	46.93	25.36	46.32
13F0301C	13F	G010YR24HR	25.90	12.95	0.992	25.90	47.65	25.60	46.62
13F0301C	13F	G025YR24HR	24.68	16.13	0.992	24.58	48.02	24.96	46.89
13F0301C	13F	G100YR24HR	15.44	16.84	0.992	20.10	48.37	24.35	47.61
13F0405W_1	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_1	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_1	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.58	48.02
13F0405W_1	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.10	48.37
13F0405W_2	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_2	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_2	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.58	48.02
13F0405W_2	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.10	48.37
13F0415C_1	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_1	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_1	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_1	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_2	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_2	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_2	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_2	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_3	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_3	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_3	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_3	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_4	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_4	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_4	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_4	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0425C_1	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_1	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_1	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F0425C_1	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_2	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_2	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_2	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_2	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_3	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_3	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_3	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_3	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_4	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_4	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_4	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_4	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_5	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_5	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_5	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_5	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_6	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_6	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_6	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_6	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_7	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_7	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_7	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_7	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_8	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_8	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_8	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_8	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0435W	13F	G002YR24HR	14.20	5.76	0.000	14.20	49.18	25.36	46.93
13F0435W	13F	G010YR24HR	13.51	14.90	0.001	13.51	49.48	25.90	47.65
13F0435W	13F	G025YR24HR	13.40	20.98	0.002	13.40	49.62	24.58	48.02
13F0435W	13F	G100YR24HR	13.37	30.31	-0.002	13.37	49.82	20.10	48.37
13F0445C	13F	G002YR24HR	12.93	7.04	0.103	14.10	49.21	14.20	49.18
13F0445C	13F	G010YR24HR	13.16	15.45	0.103	13.34	49.71	13.51	49.48
13F0445C	13F	G025YR24HR	13.15	21.26	0.103	13.24	50.09	13.40	49.62
13F0445C	13F	G100YR24HR	13.18	30.26	-0.103	13.22	50.77	13.37	49.82
13F0445W	13F	G002YR24HR	0.00	0.00	0.000	14.10	49.21	25.36	46.93
13F0445W	13F	G010YR24HR	0.00	0.00	0.000	13.34	49.71	25.90	47.65
13F0445W	13F	G025YR24HR	0.00	0.00	0.000	13.24	50.09	24.58	48.02
13F0445W	13F	G100YR24HR	0.00	0.00	0.000	13.22	50.77	20.10	48.37
13F0600D	13F	G002YR24HR	12.92	9.53	0.001	12.92	50.76	25.36	46.93
13F0600D	13F	G010YR24HR	12.78	12.31	0.001	12.78	50.99	25.90	47.65
13F0600D	13F	G025YR24HR	12.67	13.22	0.001	12.67	51.09	24.58	48.02
13F0600D	13F	G100YR24HR	12.50	14.21	0.001	12.50	51.21	20.10	48.37
13F0750	13F	G002YR24HR	17.58	9.82	0.003	1.06	53.51	12.92	50.76
13F0750	13F	G010YR24HR	15.64	23.48	0.003	15.69	53.71	12.78	50.99
13F0750	13F	G025YR24HR	16.69	32.53	0.003	16.99	53.81	12.67	51.09
13F0750	13F	G100YR24HR	16.71	52.33	0.005	17.47	54.00	12.50	51.21
13F0800	13F	G002YR24HR	17.67	9.51	0.009	17.69	54.11	1.06	53.51
13F0800	13F	G010YR24HR	15.93	22.72	0.009	15.94	54.50	15.69	53.71
13F0800	13F	G025YR24HR	16.90	31.68	0.009	16.90	54.70	16.99	53.81
13F0800	13F	G100YR24HR	17.04	51.12	0.009	17.02	54.95	17.47	54.00
13F0900C	13F	G002YR24HR	17.62	9.51	9.006	17.64	54.37	17.69	54.11
13F0900C	13F	G010YR24HR	15.90	22.72	9.006	15.90	55.14	15.94	54.50
13F0900C	13F	G025YR24HR	16.84	31.68	9.006	16.82	55.72	16.90	54.70
13F0900C	13F	G100YR24HR	17.02	51.12	9.006	17.02	56.77	16.44	55.09
13F1200D	13F	G002YR24HR	12.98	6.54	0.001	12.98	55.23	17.64	54.37
13F1200D	13F	G010YR24HR	12.22	9.89	0.006	12.30	55.45	15.90	55.14
13F1200D	13F	G025YR24HR	12.05	10.21	0.005	16.79	55.72	16.82	55.72
13F1200D	13F	G100YR24HR	11.91	9.50	-0.002	17.00	56.78	17.02	56.77
13F1200W	13F	G002YR24HR	12.98	15.71	0.007	12.98	55.23	17.64	54.37
13F1200W	13F	G010YR24HR	12.30	107.27	0.061	12.30	55.45	15.90	55.14
13F1200W	13F	G025YR24HR	12.19	164.08	0.060	16.79	55.72	16.82	55.72
13F1200W	13F	G100YR24HR	12.17	245.72	-0.110	17.00	56.78	17.02	56.77

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F1374W	13F	G002YR24HR	17.70	0.75	0.000	17.70	64.97	72.00	60.78
13F1374W	13F	G010YR24HR	12.66	13.72	0.009	12.66	65.10	72.00	64.17
13F1374W	13F	G025YR24HR	12.38	27.40	-0.166	22.52	65.50	22.52	65.50
13F1374W	13F	G100YR24HR	12.22	47.40	-0.166	13.54	65.65	13.54	65.66
13G0100	13G	G002YR24HR	12.86	21.34	0.229	12.77	46.28	38.66	46.14
13G0100	13G	G010YR24HR	12.82	36.78	-0.575	35.18	47.44	35.16	47.44
13G0100	13G	G025YR24HR	33.96	55.69	-3.274	33.56	48.15	33.54	48.10
13G0100	13G	G100YR24HR	46.44	95.34	13.681	30.02	49.48	30.00	49.46
13G0200	13G	G002YR24HR	12.80	21.15	-0.116	12.79	47.05	12.77	46.28
13G0200	13G	G010YR24HR	12.75	36.96	-0.220	12.77	47.76	35.18	47.44
13G0200	13G	G025YR24HR	33.81	55.68	0.011	33.65	48.58	33.56	48.15
13G0200	13G	G100YR24HR	31.87	75.45	-0.313	30.15	49.71	30.02	49.48
13G0300C	13G	G002YR24HR	12.74	21.19	-0.482	12.79	47.08	12.79	47.05
13G0300C	13G	G010YR24HR	12.70	37.09	-0.788	12.76	47.80	12.77	47.76
13G0300C	13G	G025YR24HR	33.77	55.68	-0.772	33.68	48.83	33.65	48.58
13G0300C	13G	G100YR24HR	31.72	75.43	-0.327	30.38	50.17	30.15	49.71
13G0500	13G	G002YR24HR	12.68	20.39	-0.074	12.75	47.25	12.79	47.08
13G0500	13G	G010YR24HR	12.65	35.66	0.198	12.73	47.99	12.76	47.80
13G0500	13G	G025YR24HR	33.24	55.69	-0.023	33.63	48.93	33.68	48.83
13G0500	13G	G100YR24HR	30.46	75.37	0.022	30.38	50.19	30.38	50.17
13G0550W	13G	G002YR24HR	0.00	0.00	0.000	12.75	47.25	38.52	47.15
13G0550W	13G	G010YR24HR	0.00	0.00	-0.000	12.73	47.99	34.89	48.49
13G0550W	13G	G025YR24HR	12.70	2.82	0.001	33.63	48.93	33.58	48.99
13G0550W	13G	G100YR24HR	12.59	31.76	-0.075	30.38	50.19	30.37	50.21
13G0600	13G	G002YR24HR	12.16	5.32	-0.038	12.74	47.28	12.75	47.25
13G0600	13G	G010YR24HR	12.14	9.90	-0.152	12.71	48.02	12.73	47.99
13G0600	13G	G025YR24HR	12.13	13.29	-0.432	33.61	48.93	33.63	48.93
13G0600	13G	G100YR24HR	12.13	19.29	-1.015	30.38	50.19	30.38	50.19
13G1000W	13G	G002YR24HR	14.94	6.26	0.858	38.52	47.15	38.50	47.15
13G1000W	13G	G010YR24HR	60.84	7.69	3.350	34.89	48.49	34.86	48.49
13G1000W	13G	G025YR24HR	72.00	7.86	3.921	33.58	48.99	33.55	49.00
13G1000W	13G	G100YR24HR	8.39	4.58	0.195	30.37	50.21	30.34	50.22
13G2000	13G	G002YR24HR	12.23	6.26	1.424	38.47	47.15	38.50	47.15
13G2000	13G	G010YR24HR	12.23	6.92	4.824	34.86	48.49	34.86	48.49
13G2000	13G	G025YR24HR	13.80	4.37	7.093	33.55	49.00	33.55	49.00
13G2000	13G	G100YR24HR	11.33	1.92	-1.457	30.35	50.22	30.34	50.22
13G2100	13G	G002YR24HR	12.23	7.58	-0.818	38.52	47.15	38.47	47.15
13G2100	13G	G010YR24HR	12.22	11.41	1.950	34.86	48.49	34.86	48.49
13G2100	13G	G025YR24HR	12.05	10.84	2.617	33.57	48.99	33.55	49.00
13G2100	13G	G100YR24HR	11.83	7.82	-0.670	30.36	50.22	30.35	50.22
13G2200W	13G	G002YR24HR	49.97	0.63	0.056	38.52	47.15	38.52	47.15
13G2200W	13G	G010YR24HR	60.18	2.52	-0.982	34.89	48.49	34.86	48.49
13G2200W	13G	G025YR24HR	72.00	2.68	-1.122	33.58	48.99	33.57	48.99
13G2200W	13G	G100YR24HR	0.00	0.00	-0.020	30.37	50.21	30.36	50.22
13H0100W	13H	G002YR24HR	0.00	0.00	0.000	72.00	52.01	34.84	48.75
13H0100W	13H	G010YR24HR	0.00	0.00	0.000	72.00	52.55	32.34	50.39
13H0100W	13H	G025YR24HR	0.00	0.00	0.000	72.00	52.94	30.88	51.24
13H0100W	13H	G100YR24HR	21.89	13.46	0.000	21.89	53.24	26.58	52.67
13H0120D	13H	G002YR24HR	13.75	2.14	0.000	13.75	55.07	72.00	52.01
13H0120D	13H	G010YR24HR	13.90	3.51	0.001	13.90	56.19	72.00	52.55
13H0120D	13H	G025YR24HR	14.11	4.28	0.001	14.11	57.06	72.00	52.94
13H0120D	13H	G100YR24HR	12.92	15.52	0.003	12.92	58.19	21.89	53.24
13H0200W	13H	G002YR24HR	0.00	0.00	0.000	25.50	56.60	72.00	52.01
13H0200W	13H	G010YR24HR	0.00	0.00	0.000	25.50	57.85	72.00	52.55
13H0200W	13H	G025YR24HR	0.00	0.00	0.000	25.50	58.72	72.00	52.94
13H0200W	13H	G100YR24HR	0.00	0.00	0.000	25.50	60.11	21.89	53.24
13H0320D	13H	G002YR24HR	14.80	0.45	-0.487	24.37	55.88	25.50	55.87
13H0320D	13H	G010YR24HR	13.68	1.44	-0.487	24.11	56.59	27.16	56.55
13H0320D	13H	G025YR24HR	13.71	1.99	-0.487	18.67	57.17	29.47	57.02
13H0320D	13H	G100YR24HR	13.06	10.50	-0.487	13.07	57.84	25.50	57.81
13I0200C	13I	G002YR24HR	26.66	26.52	-36.989	33.55	51.71	33.78	51.68
13I0200C	13I	G010YR24HR	21.93	38.64	-36.989	31.34	52.81	31.44	52.74
13I0200C	13I	G025YR24HR	12.42	44.43	-36.989	30.38	53.37	30.18	53.27
13I0200C	13I	G100YR24HR	12.42	60.43	-36.989	27.70	54.12	26.31	53.94
13I0201C	13I	G002YR24HR	27.42	18.42	-20.324	33.55	51.71	33.78	51.68
13I0201C	13I	G010YR24HR	30.69	37.89	-20.324	31.34	52.81	31.44	52.74

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I0201C	13I	G025YR24HR	32.83	51.88	-20.324	30.38	53.37	30.18	53.27
13I0201C	13I	G100YR24HR	50.26	62.67	-20.324	27.70	54.12	26.31	53.94
13I0400	13I	G002YR24HR	27.03	44.96	2.020	27.03	53.51	27.03	51.87
13I0400	13I	G010YR24HR	30.38	74.20	2.020	30.42	54.08	31.34	52.81
13I0400	13I	G025YR24HR	33.18	91.00	2.020	32.82	54.37	30.38	53.37
13I0400	13I	G100YR24HR	33.99	112.13	2.020	31.23	54.80	27.70	54.12
13I0500C_1	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_1	13I	G010YR24HR	30.36	37.10	-2.014	30.38	55.31	30.42	54.08
13I0500C_1	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.50	54.22
13I0500C_1	13I	G100YR24HR	33.96	56.06	-2.033	33.96	58.51	15.32	54.23
13I0500C_2	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_2	13I	G010YR24HR	30.36	37.10	-2.014	30.38	55.31	30.42	54.08
13I0500C_2	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.50	54.22
13I0500C_2	13I	G100YR24HR	33.96	56.06	-2.033	33.96	58.51	15.32	54.23
13I0605D	13I	G002YR24HR	24.22	0.64	0.000	24.29	54.75	27.01	53.96
13I0605D	13I	G010YR24HR	15.40	4.79	-0.001	15.49	55.81	30.38	55.31
13I0605D	13I	G025YR24HR	14.58	9.86	-0.022	14.64	56.67	33.16	56.45
13I0605D	13I	G100YR24HR	13.97	20.56	-2.481	33.96	58.51	33.96	58.51
13I0615C	13I	G002YR24HR	24.50	0.57	-0.220	24.29	54.75	24.29	54.75
13I0615C	13I	G010YR24HR	14.79	4.00	-0.220	15.48	55.81	15.49	55.81
13I0615C	13I	G025YR24HR	13.94	8.64	-0.220	14.64	56.69	14.64	56.67
13I0615C	13I	G100YR24HR	13.71	18.72	-0.220	33.95	58.51	33.96	58.51
13I0630W	13I	G002YR24HR	0.00	0.00	0.000	26.43	62.60	19.08	59.22
13I0630W	13I	G010YR24HR	24.31	2.11	0.000	24.31	63.17	20.08	60.62
13I0630W	13I	G025YR24HR	17.86	8.24	0.000	17.86	63.28	20.50	61.49
13I0630W	13I	G100YR24HR	14.01	35.00	0.004	14.01	63.53	19.37	62.86
13I0700	13I	G002YR24HR	27.95	31.06	0.383	27.95	56.71	27.95	55.34
13I0700	13I	G010YR24HR	19.91	67.74	0.383	19.91	57.55	19.91	55.96
13I0700	13I	G025YR24HR	20.56	111.73	0.383	20.56	58.27	20.56	56.55
13I0700	13I	G100YR24HR	19.43	174.23	0.383	19.43	59.08	33.96	58.51
13I0800C_1	13I	G002YR24HR	28.47	22.23	15.987	27.92	56.85	27.95	56.71
13I0800C_1	13I	G010YR24HR	19.90	33.87	16.002	19.91	57.71	19.91	57.55
13I0800C_1	13I	G025YR24HR	20.54	55.87	15.925	20.55	59.69	20.56	58.27
13I0800C_1	13I	G100YR24HR	19.41	87.12	-16.364	19.41	62.55	19.43	59.08
13I0800C_2	13I	G002YR24HR	28.47	22.23	15.987	27.92	56.85	27.95	56.71
13I0800C_2	13I	G010YR24HR	19.90	33.87	16.002	19.91	57.71	19.91	57.55
13I0800C_2	13I	G025YR24HR	20.54	55.87	15.925	20.55	59.69	20.56	58.27
13I0800C_2	13I	G100YR24HR	19.41	87.12	-16.364	19.41	62.55	19.43	59.08
13I1000	13I	G002YR24HR	18.70	28.75	5.666	19.18	59.12	27.92	56.85
13I1000	13I	G010YR24HR	20.00	66.87	6.155	20.02	60.08	19.91	57.71
13I1000	13I	G025YR24HR	20.55	132.38	-56.460	20.55	60.81	20.55	59.69
13I1000	13I	G100YR24HR	13.73	196.43	-62.520	19.37	62.84	19.41	62.55
13I1100C_1	13I	G002YR24HR	31.09	20.41	-19.551	19.08	59.22	19.18	59.12
13I1100C_1	13I	G010YR24HR	20.19	32.79	17.150	20.08	60.62	20.02	60.08
13I1100C_1	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_1	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1100C_2	13I	G002YR24HR	31.09	20.41	-19.551	19.08	59.22	19.18	59.12
13I1100C_2	13I	G010YR24HR	20.19	32.79	17.150	20.08	60.62	20.02	60.08
13I1100C_2	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_2	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1210W	13I	G002YR24HR	0.00	0.00	0.000	27.50	65.73	19.08	59.22
13I1210W	13I	G010YR24HR	13.94	38.15	0.007	13.94	66.46	20.08	60.62
13I1210W	13I	G025YR24HR	13.26	70.14	0.016	13.26	66.67	20.50	61.49
13I1210W	13I	G100YR24HR	12.81	144.89	0.031	12.81	67.06	19.37	62.86
13I1250W	13I	G002YR24HR	13.26	110.31	0.014	13.26	60.07	19.08	59.22
13I1250W	13I	G010YR24HR	12.87	228.21	0.032	19.91	60.63	20.08	60.62
13I1250W	13I	G025YR24HR	12.72	334.69	0.058	20.48	61.50	20.50	61.49
13I1250W	13I	G100YR24HR	12.66	527.99	0.087	19.34	62.86	19.37	62.86
13I1400D	13I	G002YR24HR	12.59	123.50	0.022	12.78	62.42	13.26	60.07
13I1400D	13I	G010YR24HR	12.47	157.34	-0.034	12.72	64.49	19.91	60.63
13I1400D	13I	G025YR24HR	12.28	157.92	-0.037	12.63	64.65	20.48	61.50
13I1400D	13I	G100YR24HR	12.11	157.23	0.013	12.65	64.84	19.34	62.86
13I1502S	13I	G002YR24HR	14.71	37.84	-0.580	12.80	62.94	12.78	62.42
13I1502S	13I	G010YR24HR	14.95	50.52	-0.591	13.57	65.03	12.72	64.49
13I1502S	13I	G025YR24HR	15.50	48.61	0.905	13.56	65.39	12.63	64.65
13I1502S	13I	G100YR24HR	13.63	47.11	-0.714	13.34	65.76	12.65	64.84

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I1504S	13I	G002YR24HR	14.78	37.71	-0.612	12.82	63.35	12.80	62.94
13I1504S	13I	G010YR24HR	15.24	46.19	-0.612	13.66	65.55	13.57	65.03
13I1504S	13I	G025YR24HR	13.48	43.30	0.735	13.54	66.08	13.56	65.39
13I1504S	13I	G100YR24HR	13.02	47.33	-1.238	13.22	66.55	13.34	65.76
13I1506S	13I	G002YR24HR	14.83	37.51	3.006	12.96	64.94	12.82	63.35
13I1506S	13I	G010YR24HR	16.07	36.34	-2.645	13.31	66.00	13.66	65.55
13I1506S	13I	G025YR24HR	16.79	32.86	-2.693	13.24	66.26	13.54	66.08
13I1506S	13I	G100YR24HR	11.51	33.31	-2.711	13.12	66.59	13.22	66.55
13I1507S	13I	G002YR24HR	17.42	19.00	3.735	13.02	65.36	12.96	64.94
13I1507S	13I	G010YR24HR	16.45	17.79	-3.296	13.30	66.01	13.31	66.00
13I1507S	13I	G025YR24HR	11.02	17.06	-3.225	13.24	66.26	13.24	66.26
13I1507S	13I	G100YR24HR	9.91	16.92	-3.200	13.12	66.59	13.12	66.59
13I1507X	13I	G002YR24HR	13.02	0.00	0.000	13.02	65.36	12.96	64.94
13I1507X	13I	G010YR24HR	12.74	13.13	0.649	13.30	66.01	13.31	66.00
13I1507X	13I	G025YR24HR	12.51	16.09	0.632	13.24	66.26	13.24	66.26
13I1507X	13I	G100YR24HR	12.30	18.48	3.974	13.12	66.59	13.12	66.59
13I1508S	13I	G002YR24HR	14.37	19.21	7.653	12.97	65.10	12.96	64.94
13I1508S	13I	G010YR24HR	15.88	18.62	-7.643	13.31	66.00	13.31	66.00
13I1508S	13I	G025YR24HR	11.88	17.36	-7.493	13.26	66.26	13.24	66.26
13I1508S	13I	G100YR24HR	11.63	17.89	-7.724	13.14	66.59	13.12	66.59
13I1510S	13I	G002YR24HR	14.39	19.15	-0.171	12.98	65.35	12.97	65.10
13I1510S	13I	G010YR24HR	15.90	18.55	-0.234	13.30	66.00	13.31	66.00
13I1510S	13I	G025YR24HR	11.89	17.93	0.377	13.29	66.25	13.26	66.26
13I1510S	13I	G100YR24HR	11.71	18.23	-0.396	13.15	66.60	13.14	66.59
13I1510X	13I	G002YR24HR	12.98	0.00	-0.000	12.98	65.35	12.98	63.95
13I1510X	13I	G010YR24HR	13.07	26.09	0.006	13.30	66.00	13.66	65.55
13I1510X	13I	G025YR24HR	12.90	47.72	0.007	13.29	66.25	13.54	66.08
13I1510X	13I	G100YR24HR	12.67	79.87	0.014	13.15	66.60	13.22	66.55
13I1512S	13I	G002YR24HR	16.15	14.54	-7.178	13.02	65.36	12.98	65.35
13I1512S	13I	G010YR24HR	17.17	13.85	-7.674	13.30	66.01	13.30	66.00
13I1512S	13I	G025YR24HR	11.24	12.44	-9.508	13.24	66.26	13.29	66.25
13I1512S	13I	G100YR24HR	10.24	12.36	9.817	13.12	66.59	13.15	66.60
13I1512W	13I	G002YR24HR	0.00	0.00	0.000	13.02	65.36	12.98	65.35
13I1512W	13I	G010YR24HR	0.00	0.00	0.000	13.30	66.01	13.30	66.00
13I1512W	13I	G025YR24HR	13.05	3.38	0.001	13.24	66.26	13.29	66.25
13I1512W	13I	G100YR24HR	12.69	10.50	-0.053	13.12	66.59	13.15	66.60
13I1514S	13I	G002YR24HR	15.77	32.19	0.027	13.62	65.72	13.02	65.36
13I1514S	13I	G010YR24HR	16.98	30.93	0.026	13.19	66.15	13.30	66.01
13I1514S	13I	G025YR24HR	17.53	27.14	0.024	13.01	66.32	13.24	66.26
13I1514S	13I	G100YR24HR	10.41	25.14	-0.111	12.98	66.59	13.12	66.59
13I1514W	13I	G002YR24HR	0.00	0.00	0.000	13.62	65.72	12.96	64.94
13I1514W	13I	G010YR24HR	13.19	6.05	0.001	13.19	66.15	13.31	66.00
13I1514W	13I	G025YR24HR	12.94	15.35	0.003	13.01	66.32	13.24	66.26
13I1514W	13I	G100YR24HR	12.61	28.56	-0.071	12.98	66.59	13.12	66.59
13J0200C_1	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_1	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_1	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_1	13J	G100YR24HR	12.18	34.92	1.131	12.18	61.87	11.65	59.12
13J0200C_2	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_2	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_2	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_2	13J	G100YR24HR	12.18	34.92	1.131	12.18	61.87	11.65	59.12
13J0200C_3	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_3	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_3	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_3	13J	G100YR24HR	12.18	34.92	1.131	12.18	61.87	11.65	59.12
13J0315W	13J	G002YR24HR	12.44	68.62	0.093	12.44	62.10	12.36	60.44
13J0315W	13J	G010YR24HR	12.25	114.06	-0.260	12.25	63.33	12.25	61.49
13J0315W	13J	G025YR24HR	12.20	141.88	-0.261	12.20	64.05	12.21	61.66
13J0315W	13J	G100YR24HR	12.17	165.81	-0.246	12.18	65.14	12.18	61.87
13J0316W	13J	G002YR24HR	0.00	0.00	0.000	12.44	62.10	12.36	60.44
13J0316W	13J	G010YR24HR	0.00	0.00	0.000	12.25	63.33	12.25	61.49
13J0316W	13J	G025YR24HR	0.00	0.00	0.000	12.20	64.05	12.21	61.66
13J0316W	13J	G100YR24HR	12.18	20.90	0.014	12.18	65.14	12.18	61.87
13J0340S_1	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0340S_1	13J	G010YR24HR	12.25	56.06	-4.365	12.25	64.98	12.25	63.33
13J0340S_1	13J	G025YR24HR	12.11	61.98	-4.390	12.20	66.02	12.20	64.05
13J0340S_1	13J	G100YR24HR	13.63	62.53	-4.158	12.17	66.70	12.18	65.14
13J0340S_2	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30
13J0340S_2	13J	G010YR24HR	12.25	56.06	-4.365	12.25	64.98	12.25	63.33
13J0340S_2	13J	G025YR24HR	12.11	61.98	-4.390	12.20	66.02	12.20	64.05
13J0340S_2	13J	G100YR24HR	13.63	62.53	-4.158	12.17	66.70	12.18	65.14
13J0340X	13J	G002YR24HR	0.00	0.00	0.000	12.46	63.06	12.44	62.10
13J0340X	13J	G010YR24HR	0.00	0.00	0.000	12.25	64.98	12.25	63.33
13J0340X	13J	G025YR24HR	12.20	16.96	0.014	12.20	66.02	12.20	65.23
13J0340X	13J	G100YR24HR	12.17	73.84	0.043	12.17	66.70	12.17	65.78
13J0360S_1	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_1	13J	G010YR24HR	12.95	43.10	-3.900	12.28	65.83	12.25	64.98
13J0360S_1	13J	G025YR24HR	13.30	52.43	-3.771	13.05	67.23	12.20	66.02
13J0360S_1	13J	G100YR24HR	14.26	53.52	-3.965	12.88	67.82	12.17	66.70
13J0360S_2	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_2	13J	G010YR24HR	12.95	43.10	-3.900	12.28	65.83	12.25	64.98
13J0360S_2	13J	G025YR24HR	13.30	52.43	-3.771	13.05	67.23	12.20	66.02
13J0360S_2	13J	G100YR24HR	14.26	53.52	-3.965	12.88	67.82	12.17	66.70
13J0360X	13J	G002YR24HR	0.00	0.00	0.000	12.86	63.74	12.46	63.06
13J0360X	13J	G010YR24HR	0.00	0.00	0.000	12.28	65.83	12.25	64.98
13J0360X	13J	G025YR24HR	12.99	5.96	-0.973	13.05	67.23	12.20	66.02
13J0360X	13J	G100YR24HR	12.88	62.94	-2.251	12.88	67.82	12.17	66.70
13J0400S_1	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_1	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_1	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_1	13J	G100YR24HR	12.92	58.72	-2.213	12.88	73.24	12.88	67.82
13J0400S_2	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_2	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_2	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_2	13J	G100YR24HR	12.92	58.72	-2.213	12.88	73.24	12.88	67.82
13J0400X	13J	G002YR24HR	0.00	0.00	0.000	12.84	68.23	12.86	63.74
13J0400X	13J	G010YR24HR	0.00	0.00	0.000	12.84	68.86	12.28	65.83
13J0400X	13J	G025YR24HR	0.00	0.00	0.000	13.05	71.77	13.05	67.23
13J0400X	13J	G100YR24HR	12.88	29.85	0.007	12.88	73.24	12.88	67.82
13J0500C_1	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_1	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_1	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_1	13J	G100YR24HR	13.60	40.14	0.141	12.92	74.58	12.88	73.24
13J0500C_2	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_2	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_2	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_2	13J	G100YR24HR	13.60	40.14	0.141	12.92	74.58	12.88	73.24
13J0500X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.36	60.44
13J0500X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.25	61.49
13J0500X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	12.21	61.66
13J0500X	13J	G100YR24HR	12.92	9.91	0.052	12.92	74.58	12.92	62.17
13J0501X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	27.01	53.96
13J0501X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	30.38	55.31
13J0501X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	33.16	56.45
13J0501X	13J	G100YR24HR	12.92	5.67	0.031	12.92	74.58	12.92	73.14
13J0640	13J	G002YR24HR	15.10	40.62	0.379	15.39	73.10	12.51	71.55
13J0640	13J	G010YR24HR	12.33	49.07	0.379	13.70	73.25	12.21	72.22
13J0640	13J	G025YR24HR	12.97	63.09	32.506	13.09	73.40	13.09	72.88
13J0640	13J	G100YR24HR	12.93	236.28	-154.581	12.93	75.55	12.92	74.58
13J0680S	13J	G002YR24HR	21.18	43.47	-7.707	15.35	73.47	15.39	73.10
13J0680S	13J	G010YR24HR	13.65	46.73	-7.426	13.67	73.77	13.70	73.25
13J0680S	13J	G025YR24HR	13.28	54.65	-7.638	13.09	74.10	13.09	73.40
13J0680S	13J	G100YR24HR	14.41	54.49	-7.572	12.92	75.80	12.93	75.55
13J0700S	13J	G002YR24HR	15.19	40.34	0.136	15.28	74.25	15.35	73.47
13J0700S	13J	G010YR24HR	13.64	46.74	1.060	13.66	75.15	13.67	73.77
13J0700S	13J	G025YR24HR	12.85	54.65	1.072	13.01	76.18	13.09	74.10
13J0700S	13J	G100YR24HR	14.42	54.45	-2.296	12.91	76.56	12.92	75.80
13J0700W	13J	G002YR24HR	0.00	0.00	0.000	15.28	74.25	15.39	73.10
13J0700W	13J	G010YR24HR	0.00	0.00	0.000	13.66	75.15	13.70	73.25
13J0700W	13J	G025YR24HR	13.01	6.92	0.007	13.01	76.18	13.09	73.40

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0700W	13J	G100YR24HR	12.91	50.72	0.025	12.91	76.56	12.93	75.55
13J0800C_1	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_1	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_1	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_1	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800C_2	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_2	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_2	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_2	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.39	73.10
13J0800X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	13.70	73.25
13J0800X	13J	G025YR24HR	12.99	0.01	0.000	12.99	76.47	12.99	75.95
13J0800X	13J	G100YR24HR	12.91	0.47	0.000	12.91	76.61	12.91	75.99
13J0801X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	27.01	53.96
13J0801X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	30.38	55.31
13J0801X	13J	G025YR24HR	12.99	0.03	0.000	12.99	76.47	12.99	69.96
13J0801X	13J	G100YR24HR	12.91	1.03	0.000	12.91	76.61	12.91	70.02
13J0900	13J	G002YR24HR	15.26	39.84	-0.071	15.24	75.26	15.24	75.07
13J0900	13J	G010YR24HR	12.95	66.11	-21.344	13.64	76.24	13.64	76.22
13J0900	13J	G025YR24HR	16.08	62.72	-20.310	12.99	76.50	12.99	76.47
13J0900	13J	G100YR24HR	12.94	79.54	-20.328	12.92	76.65	12.91	76.61
13J1000C	13J	G002YR24HR	14.99	21.47	1.628	15.17	76.22	15.24	75.26
13J1000C	13J	G010YR24HR	16.82	22.21	1.628	13.39	76.75	13.64	76.24
13J1000C	13J	G025YR24HR	18.91	22.36	1.628	12.93	76.84	12.99	76.50
13J1000C	13J	G100YR24HR	24.50	22.45	1.628	12.86	76.93	12.92	76.65
13J1000X	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.07
13J1000X	13J	G010YR24HR	0.00	0.00	0.000	13.39	76.75	13.64	76.22
13J1000X	13J	G025YR24HR	0.00	0.00	0.000	12.93	76.84	12.99	76.47
13J1000X	13J	G100YR24HR	0.00	0.00	0.000	12.86	76.93	12.91	76.61
13J1001C	13J	G002YR24HR	14.99	18.38	1.722	15.17	76.22	15.24	75.26
13J1001C	13J	G010YR24HR	16.82	19.02	1.722	13.39	76.75	13.64	76.24
13J1001C	13J	G025YR24HR	18.91	19.14	1.722	12.93	76.84	12.99	76.50
13J1001C	13J	G100YR24HR	24.50	19.22	1.722	12.86	76.93	12.92	76.65
13J1100	13J	G002YR24HR	17.59	37.87	1.579	15.18	76.23	15.17	76.22
13J1100	13J	G010YR24HR	25.50	39.40	-1.274	13.40	76.76	13.39	76.75
13J1100	13J	G025YR24HR	26.00	40.07	-1.541	12.93	76.84	12.93	76.84
13J1100	13J	G100YR24HR	13.24	41.73	1.548	12.87	76.94	12.86	76.93
13J1200C_1	13J	G002YR24HR	17.59	18.93	5.648	15.62	76.61	15.18	76.23
13J1200C_1	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_1	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_1	13J	G100YR24HR	13.24	20.85	5.649	13.11	77.41	12.87	76.94
13J1200C_2	13J	G002YR24HR	17.59	18.93	5.648	15.62	76.61	15.18	76.23
13J1200C_2	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_2	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_2	13J	G100YR24HR	13.24	20.85	5.649	13.11	77.41	12.87	76.94
13J1400	13J	G002YR24HR	17.79	37.28	0.145	15.68	76.65	15.62	76.61
13J1400	13J	G010YR24HR	25.52	39.24	0.145	13.88	77.08	13.76	77.06
13J1400	13J	G025YR24HR	26.50	39.98	0.145	13.48	77.19	13.43	77.17
13J1400	13J	G100YR24HR	27.06	40.71	0.282	13.12	77.42	13.11	77.41
13J1400X	13J	G002YR24HR	15.68	1.24	0.000	15.68	76.65	15.68	67.99
13J1400X	13J	G010YR24HR	13.88	18.91	0.003	13.88	77.08	13.88	68.21
13J1400X	13J	G025YR24HR	13.48	25.80	0.005	13.48	77.19	13.48	68.27
13J1400X	13J	G100YR24HR	13.12	43.36	0.008	13.12	77.42	13.12	68.40
13J1500C	13J	G002YR24HR	16.36	37.81	29.941	15.83	76.86	15.68	76.65
13J1500C	13J	G010YR24HR	14.32	49.04	29.941	14.11	77.42	13.88	77.08
13J1500C	13J	G025YR24HR	14.04	54.60	29.941	13.73	77.61	13.48	77.19
13J1500C	13J	G100YR24HR	17.80	57.98	29.941	13.03	77.84	13.12	77.42
13J1800	13J	G002YR24HR	14.66	38.23	0.039	15.66	77.15	15.83	76.86
13J1800	13J	G010YR24HR	12.37	63.52	0.039	13.89	77.73	14.11	77.42
13J1800	13J	G025YR24HR	12.31	79.05	0.039	13.37	77.92	13.73	77.61
13J1800	13J	G100YR24HR	12.50	96.19	-0.079	12.64	78.26	13.03	77.84
13J1805W	13J	G002YR24HR	0.00	0.00	0.000	15.66	77.15	27.50	65.73
13J1805W	13J	G010YR24HR	13.89	27.96	0.004	13.89	77.73	13.94	66.46
13J1805W	13J	G025YR24HR	13.37	48.07	0.009	13.37	77.92	13.26	66.67
13J1805W	13J	G100YR24HR	12.64	100.76	0.014	12.64	78.26	12.81	67.06

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J1810C_1	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_1	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_1	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_1	13J	G100YR24HR	12.53	18.70	2.359	12.53	82.18	12.53	78.96
13J1810C_2	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_2	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_2	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_2	13J	G100YR24HR	12.53	18.70	2.359	12.53	82.18	12.53	78.96
13J1810W	13J	G002YR24HR	0.00	0.00	0.000	13.53	80.12	15.66	77.15
13J1810W	13J	G010YR24HR	0.00	0.00	0.000	13.13	81.23	13.89	77.73
13J1810W	13J	G025YR24HR	0.00	0.00	0.000	13.05	82.01	13.37	77.92
13J1810W	13J	G100YR24HR	12.53	37.18	0.039	12.53	82.18	12.64	78.26
13J1900	13J	G002YR24HR	16.89	31.87	0.766	15.95	77.46	15.66	77.15
13J1900	13J	G010YR24HR	16.53	56.83	0.766	15.50	78.09	13.89	77.73
13J1900	13J	G025YR24HR	16.41	72.44	0.766	15.47	78.34	13.37	77.92
13J1900	13J	G100YR24HR	17.09	98.10	0.766	16.57	78.65	12.64	78.26
13J2000C	13J	G002YR24HR	16.91	31.51	0.771	16.39	77.81	15.95	77.46
13J2000C	13J	G010YR24HR	16.56	56.25	0.771	16.33	78.65	15.50	78.09
13J2000C	13J	G025YR24HR	16.47	71.71	9.863	16.47	79.30	13.45	78.70
13J2000C	13J	G100YR24HR	17.10	97.21	9.874	17.10	80.24	13.03	78.70
13J2200	13J	G002YR24HR	16.87	31.49	0.151	16.97	80.13	16.39	77.81
13J2200	13J	G010YR24HR	16.54	56.24	0.151	16.55	81.16	16.33	78.65
13J2200	13J	G025YR24HR	16.44	71.71	0.151	16.44	81.65	16.47	79.30
13J2200	13J	G100YR24HR	17.06	97.21	0.151	17.06	82.31	17.10	80.24
13J2220C	13J	G002YR24HR	14.06	18.73	-0.846	14.08	81.30	14.06	80.09
13J2220C	13J	G010YR24HR	14.06	37.15	2.480	14.08	82.77	16.55	81.16
13J2220C	13J	G025YR24HR	13.54	43.59	3.891	14.63	83.49	16.44	81.65
13J2220C	13J	G100YR24HR	12.69	44.91	2.640	15.19	84.43	17.06	82.31
13J2221D	13J	G002YR24HR	14.60	2.49	0.000	14.60	87.10	14.08	81.30
13J2221D	13J	G010YR24HR	12.86	16.33	0.003	12.86	87.46	14.08	82.77
13J2221D	13J	G025YR24HR	12.47	21.07	0.005	12.47	87.55	14.63	83.49
13J2221D	13J	G100YR24HR	12.25	25.36	0.006	12.25	87.63	15.19	84.43
13J2221W	13J	G002YR24HR	0.00	0.00	0.000	14.60	87.10	14.08	81.30
13J2221W	13J	G010YR24HR	12.86	0.50	0.000	12.86	87.46	14.08	82.77
13J2221W	13J	G025YR24HR	12.47	20.34	0.013	12.47	87.55	14.63	83.49
13J2221W	13J	G100YR24HR	12.25	47.93	0.025	12.25	87.63	15.19	84.43
13J2222D	13J	G002YR24HR	12.36	13.17	0.003	12.36	88.39	14.60	87.10
13J2222D	13J	G010YR24HR	12.24	25.56	0.004	12.24	88.64	12.86	87.46
13J2222D	13J	G025YR24HR	12.23	33.08	0.005	12.23	88.76	12.47	87.55
13J2222D	13J	G100YR24HR	12.22	45.94	0.007	12.22	88.97	12.25	87.63
13J2222W	13J	G002YR24HR	0.00	0.00	0.000	12.36	88.39	14.60	87.10
13J2222W	13J	G010YR24HR	0.00	0.00	0.000	12.24	88.64	12.86	87.46
13J2222W	13J	G025YR24HR	0.00	0.00	0.000	12.23	88.76	12.47	87.55
13J2222W	13J	G100YR24HR	0.00	0.00	0.000	12.22	88.97	12.25	87.63
13J2231S	13J	G002YR24HR	12.50	42.26	-0.801	16.59	80.18	16.97	80.13
13J2231S	13J	G010YR24HR	12.54	57.17	-0.777	13.80	81.39	16.55	81.16
13J2231S	13J	G025YR24HR	12.68	56.58	-0.827	14.05	82.00	16.44	81.65
13J2231S	13J	G100YR24HR	12.66	56.98	-3.165	14.70	82.76	17.06	82.31
13J2232S	13J	G002YR24HR	12.50	41.68	1.854	13.48	80.48	16.59	80.18
13J2232S	13J	G010YR24HR	12.54	56.24	1.857	13.19	82.30	13.80	81.39
13J2232S	13J	G025YR24HR	12.79	55.82	1.881	13.42	82.94	14.05	82.00
13J2232S	13J	G100YR24HR	12.86	55.95	3.548	13.83	83.71	14.70	82.76
13J2232W	13J	G002YR24HR	0.00	0.00	0.000	13.48	80.48	16.97	80.13
13J2232W	13J	G010YR24HR	13.19	22.41	0.008	13.19	82.30	16.55	81.16
13J2232W	13J	G025YR24HR	13.42	32.20	0.008	13.42	82.94	16.44	81.65
13J2232W	13J	G100YR24HR	13.42	40.54	-2.254	13.83	83.71	17.06	82.31
13J2233D	13J	G002YR24HR	13.08	10.41	-0.001	13.52	81.94	13.48	80.48
13J2233D	13J	G010YR24HR	11.99	8.54	-0.003	13.20	82.33	13.19	82.30
13J2233D	13J	G025YR24HR	11.83	8.75	-0.003	13.42	82.96	13.42	82.94
13J2233D	13J	G100YR24HR	11.50	9.13	0.068	13.84	83.73	13.83	83.71
13J2233W	13J	G002YR24HR	13.52	8.06	0.002	13.52	81.94	13.48	80.48
13J2233W	13J	G010YR24HR	13.49	42.64	0.013	13.20	82.33	13.19	82.30
13J2233W	13J	G025YR24HR	13.92	52.40	0.005	13.42	82.96	13.42	82.94
13J2233W	13J	G100YR24HR	14.77	60.09	-1.464	13.84	83.73	13.83	83.71
13J2234W	13J	G002YR24HR	14.05	4.19	0.000	14.05	82.85	13.52	81.94
13J2234W	13J	G010YR24HR	13.25	13.01	0.002	13.25	83.29	13.20	82.33

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J2234W	13J	G025YR24HR	13.00	17.22	-0.007	13.26	83.56	13.42	82.96
13J2234W	13J	G100YR24HR	12.84	21.84	-0.007	13.55	84.01	13.84	83.73
13K0200S_1	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_1	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_1	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_1	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0200S_2	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_2	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_2	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_2	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0300S	13K	G002YR24HR	12.32	37.64	0.016	12.26	60.27	12.22	58.04
13K0300S	13K	G010YR24HR	12.60	40.34	0.011	12.15	60.85	12.10	58.36
13K0300S	13K	G025YR24HR	15.95	41.59	0.008	12.10	60.90	12.09	58.46
13K0300S	13K	G100YR24HR	13.84	43.14	0.006	13.74	61.21	12.09	58.61
13K0301S	13K	G002YR24HR	12.31	36.75	0.015	12.26	60.27	12.22	58.04
13K0301S	13K	G010YR24HR	12.60	39.41	0.012	12.15	60.85	12.10	58.36
13K0301S	13K	G025YR24HR	15.95	40.62	0.007	12.10	60.90	12.09	58.46
13K0301S	13K	G100YR24HR	13.84	42.14	0.006	13.74	61.21	12.09	58.61
13K0500S	13K	G002YR24HR	12.54	72.63	-22.392	12.24	61.08	12.26	60.27
13K0500S	13K	G010YR24HR	12.21	74.96	-4.910	12.20	61.87	12.15	60.85
13K0500S	13K	G025YR24HR	15.80	88.28	3.213	15.89	62.30	12.10	60.90
13K0500S	13K	G100YR24HR	12.42	96.52	3.350	13.64	62.76	13.74	61.21
13K0600S	13K	G002YR24HR	12.09	62.59	4.970	12.24	61.68	12.24	61.08
13K0600S	13K	G010YR24HR	14.54	72.25	-11.580	12.61	63.02	12.20	61.87
13K0600S	13K	G025YR24HR	15.96	87.27	-11.655	15.92	64.46	15.89	62.30
13K0600S	13K	G100YR24HR	13.92	89.31	-11.706	13.75	65.02	13.64	62.76
13K0700S	13K	G002YR24HR	12.09	62.88	10.249	12.23	62.69	12.24	61.68
13K0700S	13K	G010YR24HR	13.52	72.14	10.248	12.80	64.37	12.61	63.02
13K0700S	13K	G025YR24HR	19.61	76.54	10.248	15.88	65.25	15.92	64.46
13K0700S	13K	G100YR24HR	22.31	76.55	10.248	13.72	65.73	13.75	65.02
13K0800S	13K	G002YR24HR	13.34	34.09	-1.848	12.76	63.23	12.23	62.69
13K0800S	13K	G010YR24HR	24.64	34.60	-2.089	12.82	64.41	12.80	64.37
13K0800S	13K	G025YR24HR	26.55	35.94	-2.531	15.88	65.27	15.88	65.25
13K0800S	13K	G100YR24HR	28.80	36.10	-2.287	13.72	65.77	13.72	65.73
13K0830W	13K	G002YR24HR	15.04	2.22	-0.307	12.85	63.37	12.76	63.23
13K0830W	13K	G010YR24HR	27.61	2.21	-0.101	12.81	64.40	12.82	64.41
13K0830W	13K	G025YR24HR	30.53	2.21	-0.212	15.88	65.26	15.88	65.27
13K0830W	13K	G100YR24HR	32.77	2.21	0.154	13.72	65.76	13.72	65.77
13K0831W	13K	G002YR24HR	13.10	19.13	0.006	12.85	63.37	12.76	63.23
13K0831W	13K	G010YR24HR	23.00	22.10	0.021	12.81	64.40	12.82	64.41
13K0831W	13K	G025YR24HR	26.55	23.60	0.008	15.88	65.26	15.88	65.27
13K0831W	13K	G100YR24HR	28.80	23.71	-0.032	13.72	65.76	13.72	65.77
13K0840S	13K	G002YR24HR	19.07	20.66	0.221	12.84	63.42	12.76	63.23
13K0840S	13K	G010YR24HR	29.46	20.65	0.221	12.87	64.51	12.82	64.41
13K0840S	13K	G025YR24HR	32.15	20.64	0.221	15.88	65.43	15.88	65.27
13K0840S	13K	G100YR24HR	34.44	20.64	0.221	13.73	65.91	13.72	65.77
13K0870W	13K	G002YR24HR	11.78	0.88	-0.301	12.85	63.37	12.84	63.42
13K0870W	13K	G010YR24HR	11.60	1.12	-0.304	12.81	64.40	12.87	64.51
13K0870W	13K	G025YR24HR	11.18	1.16	-0.303	15.88	65.26	15.88	65.43
13K0870W	13K	G100YR24HR	10.16	1.20	0.311	13.72	65.76	13.73	65.91
13K0871W	13K	G002YR24HR	24.83	0.64	-0.008	12.85	63.37	12.84	63.42
13K0871W	13K	G010YR24HR	32.22	0.68	-0.011	12.81	64.40	12.87	64.51
13K0871W	13K	G025YR24HR	34.52	0.71	-0.009	15.88	65.26	15.88	65.43
13K0871W	13K	G100YR24HR	10.86	0.67	-0.008	13.72	65.76	13.73	65.91
13K1000S	13K	G002YR24HR	13.34	26.60	0.426	12.93	64.34	12.84	63.42
13K1000S	13K	G010YR24HR	14.32	34.37	0.426	13.45	65.90	12.87	64.51
13K1000S	13K	G025YR24HR	22.31	37.21	0.426	15.73	67.20	15.88	65.43
13K1000S	13K	G100YR24HR	25.09	37.27	0.426	13.60	67.52	13.73	65.91
13K1125D	13K	G002YR24HR	13.27	6.05	-0.603	12.95	64.69	12.93	64.34
13K1125D	13K	G010YR24HR	14.26	7.85	0.582	13.70	66.47	13.45	65.90
13K1125D	13K	G025YR24HR	14.82	8.49	-0.601	15.56	67.87	15.73	67.20
13K1125D	13K	G100YR24HR	21.48	8.46	-0.601	13.33	68.13	13.60	67.52
13K1175W	13K	G002YR24HR	12.24	20.10	0.447	12.94	64.69	12.95	64.69
13K1175W	13K	G010YR24HR	12.17	38.29	-0.119	13.69	66.48	13.70	66.47
13K1175W	13K	G025YR24HR	12.19	50.91	1.507	15.54	67.87	15.56	67.87
13K1175W	13K	G100YR24HR	12.28	75.77	1.817	13.33	68.13	13.33	68.13

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K1200S	13K	G002YR24HR	13.03	20.31	2.065	12.94	64.69	12.93	64.34
13K1200S	13K	G010YR24HR	14.23	26.39	2.065	13.69	66.48	13.45	65.90
13K1200S	13K	G025YR24HR	14.75	28.67	2.065	15.54	67.87	15.73	67.20
13K1200S	13K	G100YR24HR	12.63	28.65	2.065	13.33	68.13	13.60	67.52
13K1500	13K	G002YR24HR	12.25	23.20	0.041	12.25	73.73	12.25	65.94
13K1500	13K	G010YR24HR	12.15	39.00	-1.142	12.15	74.31	13.69	66.48
13K1500	13K	G025YR24HR	12.14	46.97	-0.876	12.14	74.57	15.54	67.87
13K1500	13K	G100YR24HR	13.59	78.06	-1.460	12.12	74.94	13.33	68.13
13K1600	13K	G002YR24HR	18.53	19.46	0.299	18.50	74.62	12.25	73.73
13K1600	13K	G010YR24HR	17.04	25.31	0.299	16.00	74.97	12.15	74.31
13K1600	13K	G025YR24HR	14.63	27.52	0.299	12.16	75.10	12.14	74.57
13K1600	13K	G100YR24HR	12.34	33.20	0.299	12.14	75.39	12.12	74.94
13K1700W	13K	G002YR24HR	18.79	18.80	2.486	18.51	74.72	18.50	74.62
13K1700W	13K	G010YR24HR	18.00	24.08	2.486	16.01	75.07	16.00	74.97
13K1700W	13K	G025YR24HR	15.17	24.87	2.486	14.67	75.13	12.16	75.10
13K1700W	13K	G100YR24HR	13.92	27.52	2.486	13.60	75.46	12.14	75.39
13K1710W	13K	G002YR24HR	0.00	0.00	0.000	18.51	74.72	12.25	73.73
13K1710W	13K	G010YR24HR	0.00	0.00	0.000	16.01	75.07	12.15	74.31
13K1710W	13K	G025YR24HR	0.00	0.00	0.000	14.67	75.13	12.14	74.57
13K1710W	13K	G100YR24HR	0.00	0.00	0.000	13.60	75.46	12.12	74.94
13K1720X	13K	G002YR24HR	18.51	0.11	0.000	18.51	74.72	18.51	66.96
13K1720X	13K	G010YR24HR	16.01	16.56	-3.623	16.01	75.07	16.01	67.20
13K1720X	13K	G025YR24HR	14.67	21.28	3.621	14.67	75.13	14.67	67.24
13K1720X	13K	G100YR24HR	13.60	50.31	3.623	13.60	75.46	13.60	67.44
13K1800D	13K	G002YR24HR	18.19	18.89	0.136	18.25	75.48	18.51	74.72
13K1800D	13K	G010YR24HR	16.60	38.77	-1.570	16.24	76.23	16.01	75.07
13K1800D	13K	G025YR24HR	14.82	44.31	-1.569	14.76	76.51	14.67	75.13
13K1800D	13K	G100YR24HR	13.45	46.03	-1.570	13.59	76.86	13.60	75.46
13K2000	13K	G002YR24HR	20.17	4.15	1.701	20.17	79.09	20.17	78.64
13K2000	13K	G010YR24HR	20.23	6.54	1.701	20.23	79.38	20.23	78.76
13K2000	13K	G025YR24HR	20.22	8.24	1.701	20.22	79.53	20.22	78.84
13K2000	13K	G100YR24HR	20.31	10.80	1.701	20.31	79.73	20.31	78.95
13K2100C	13K	G002YR24HR	20.09	4.15	1.888	20.15	79.21	20.17	79.09
13K2100C	13K	G010YR24HR	20.14	6.54	1.888	20.18	79.70	20.23	79.38
13K2100C	13K	G025YR24HR	20.14	8.24	1.888	20.17	80.04	20.22	79.53
13K2100C	13K	G100YR24HR	20.23	10.80	1.888	20.25	80.60	20.31	79.73
13K2220W	13K	G002YR24HR	12.41	14.19	0.004	12.41	80.33	20.15	79.21
13K2220W	13K	G010YR24HR	12.23	31.00	0.005	12.23	80.59	20.18	79.70
13K2220W	13K	G025YR24HR	12.21	40.50	0.006	12.21	80.72	20.17	80.04
13K2220W	13K	G100YR24HR	12.19	56.64	-0.031	12.19	80.91	20.25	80.60
13K3000W	13K	G002YR24HR	12.57	23.12	0.003	12.57	78.23	18.25	75.48
13K3000W	13K	G010YR24HR	12.99	62.21	0.006	12.99	78.44	16.24	76.23
13K3000W	13K	G025YR24HR	12.70	90.26	0.011	12.70	78.54	14.76	76.51
13K3000W	13K	G100YR24HR	12.46	137.93	0.019	12.46	78.68	13.59	76.86
13K3100W	13K	G002YR24HR	12.56	32.01	0.004	12.56	80.87	12.57	78.23
13K3100W	13K	G010YR24HR	12.53	51.78	0.006	12.53	81.38	12.99	78.44
13K3100W	13K	G025YR24HR	12.52	65.71	0.007	12.52	81.69	12.70	78.54
13K3100W	13K	G100YR24HR	12.42	82.24	0.010	12.42	82.02	12.46	78.68
13K3101W	13K	G002YR24HR	0.00	0.00	0.000	12.56	80.87	12.57	78.23
13K3101W	13K	G010YR24HR	0.00	0.00	0.000	12.53	81.38	12.99	78.44
13K3101W	13K	G025YR24HR	0.00	0.00	0.000	12.52	81.69	12.70	78.54
13K3101W	13K	G100YR24HR	12.42	11.45	0.016	12.42	82.02	12.46	78.68
13K4000W	13K	G002YR24HR	14.37	1.11	0.000	14.37	78.23	18.25	75.48
13K4000W	13K	G010YR24HR	13.01	28.15	0.005	13.01	78.44	16.24	76.23
13K4000W	13K	G025YR24HR	12.71	59.12	0.010	12.71	78.54	14.76	76.51
13K4000W	13K	G100YR24HR	12.46	125.19	0.023	12.46	78.68	13.59	76.86
13K4025W	13K	G002YR24HR	15.06	10.16	0.034	14.37	78.23	12.57	78.23
13K4025W	13K	G010YR24HR	14.63	21.49	0.143	13.01	78.44	12.99	78.44
13K4025W	13K	G025YR24HR	15.48	23.64	0.306	12.71	78.54	12.70	78.54
13K4025W	13K	G100YR24HR	15.90	25.67	0.376	12.46	78.68	12.46	78.68
13K4100C_1	13K	G002YR24HR	12.18	12.09	0.087	12.20	80.56	14.37	78.23
13K4100C_1	13K	G010YR24HR	12.94	12.60	0.087	12.97	81.70	13.01	78.44
13K4100C_1	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_1	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4100C_2	13K	G002YR24HR	12.18	12.09	0.087	12.20	80.56	14.37	78.23

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K4100C_2	13K	G010YR24HR	12.94	12.60	0.087	12.97	81.70	13.01	78.44
13K4100C_2	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_2	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4300C	13K	G002YR24HR	12.71	7.72	-0.402	12.72	81.20	12.20	80.56
13K4300C	13K	G010YR24HR	14.63	9.78	0.215	12.60	82.46	12.97	81.70
13K4300C	13K	G025YR24HR	16.18	9.50	0.238	12.35	82.63	13.08	82.32
13K4300C	13K	G100YR24HR	18.89	9.40	-0.548	13.22	83.02	13.23	83.01
13K4325W	13K	G002YR24HR	0.00	0.00	0.000	12.72	81.20	12.20	80.56
13K4325W	13K	G010YR24HR	12.60	8.87	0.004	12.60	82.46	12.97	81.70
13K4325W	13K	G025YR24HR	12.35	27.04	0.015	12.35	82.63	13.08	82.32
13K4325W	13K	G100YR24HR	12.17	55.06	0.036	13.22	83.02	13.23	83.01
13L0010S	13L	G002YR24HR	12.10	9.09	0.003	12.10	53.44	12.10	52.36
13L0010S	13L	G010YR24HR	12.08	11.89	-0.012	12.08	54.08	31.44	52.74
13L0010S	13L	G025YR24HR	12.08	12.17	-0.012	12.08	54.15	30.18	53.27
13L0010S	13L	G100YR24HR	13.93	14.54	0.175	14.34	54.50	26.31	53.94
13L0030S	13L	G002YR24HR	4.04	2.95	-2.949	24.30	53.05	12.10	53.44
13L0030S	13L	G010YR24HR	22.87	3.40	-2.949	24.28	53.82	12.08	54.08
13L0030S	13L	G025YR24HR	60.20	2.98	-2.949	18.73	54.13	12.08	54.15
13L0030S	13L	G100YR24HR	1.70	18.64	-18.645	14.33	54.57	14.34	54.50
13L0031W	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	24.30	53.05
13L0031W	13L	G010YR24HR	12.08	5.26	0.014	12.08	54.08	24.28	53.82
13L0031W	13L	G025YR24HR	12.08	10.18	0.014	12.08	54.15	18.73	54.13
13L0031W	13L	G100YR24HR	12.08	18.26	0.019	14.34	54.50	14.33	54.57
13L0200	13L	G002YR24HR	25.88	81.63	0.297	30.81	51.88	33.78	51.68
13L0200	13L	G010YR24HR	24.28	158.88	0.297	29.10	53.01	31.44	52.74
13L0200	13L	G025YR24HR	26.82	197.99	0.442	29.05	53.56	30.18	53.27
13L0200	13L	G100YR24HR	28.43	289.18	0.444	27.67	54.28	26.31	53.94
13L0300C_1	13L	G002YR24HR	26.00	29.36	-0.566	30.54	51.90	30.81	51.88
13L0300C_1	13L	G010YR24HR	25.01	58.17	-0.833	28.83	53.04	29.10	53.01
13L0300C_1	13L	G025YR24HR	43.57	81.69	26.082	28.42	53.78	29.05	53.56
13L0300C_1	13L	G100YR24HR	28.42	98.88	25.210	28.07	54.74	27.67	54.28
13L0300C_2	13L	G002YR24HR	26.00	29.36	-0.566	30.54	51.90	30.81	51.88
13L0300C_2	13L	G010YR24HR	25.01	58.17	-0.833	28.83	53.04	29.10	53.01
13L0300C_2	13L	G025YR24HR	43.57	81.69	26.082	28.42	53.78	29.05	53.56
13L0300C_2	13L	G100YR24HR	28.42	98.88	25.210	28.07	54.74	27.67	54.28
13L0301C	13L	G002YR24HR	25.93	22.95	-0.457	30.54	51.90	30.81	51.88
13L0301C	13L	G010YR24HR	24.41	44.57	-2.760	28.83	53.04	29.10	53.01
13L0301C	13L	G025YR24HR	26.80	62.60	-16.961	28.42	53.78	29.05	53.56
13L0301C	13L	G100YR24HR	28.42	91.41	15.732	28.07	54.74	27.67	54.28
13L0800	13L	G002YR24HR	27.95	71.80	-3.368	30.49	51.91	30.54	51.90
13L0800	13L	G010YR24HR	25.00	135.32	-4.225	28.79	53.05	28.83	53.04
13L0800	13L	G025YR24HR	26.61	170.08	-4.792	28.40	53.78	28.42	53.78
13L0800	13L	G100YR24HR	27.93	257.33	-6.215	28.07	54.75	28.07	54.74
13L0810W	13L	G002YR24HR	12.39	33.90	1.485	30.50	51.91	30.49	51.91
13L0810W	13L	G010YR24HR	12.33	59.70	-1.971	28.79	53.05	28.79	53.05
13L0810W	13L	G025YR24HR	12.31	77.50	-3.626	28.40	53.78	28.40	53.78
13L0810W	13L	G100YR24HR	12.25	104.38	-6.429	28.07	54.75	28.07	54.75
13L0900B	13L	G002YR24HR	25.81	75.63	-0.005	29.00	52.09	30.49	51.91
13L0900B	13L	G010YR24HR	22.62	147.48	-0.007	26.86	53.29	28.79	53.05
13L0900B	13L	G025YR24HR	21.11	192.39	-0.009	27.23	54.04	28.40	53.78
13L0900B	13L	G100YR24HR	25.38	264.39	-0.012	27.30	55.10	28.07	54.75
13L101PS	13L	G002YR24HR	12.21	4.90	4.900	14.70	54.65	29.00	52.09
13L101PS	13L	G010YR24HR	11.52	4.90	4.900	13.06	54.93	26.86	53.29
13L101PS	13L	G025YR24HR	10.60	4.90	4.900	12.80	55.03	27.23	54.04
13L101PS	13L	G100YR24HR	9.12	4.90	4.900	12.60	55.17	27.30	55.10
13L1200	13L	G002YR24HR	16.66	86.39	-0.503	28.80	52.10	29.00	52.09
13L1200	13L	G010YR24HR	15.77	186.89	-0.503	26.85	53.29	26.86	53.29
13L1200	13L	G025YR24HR	14.40	224.58	-0.503	27.22	54.04	27.23	54.04
13L1200	13L	G100YR24HR	13.14	274.21	-0.503	27.30	55.10	27.30	55.10
13L1200W	13L	G002YR24HR	0.00	0.00	0.000	28.80	52.10	29.00	52.09
13L1200W	13L	G010YR24HR	19.74	34.85	0.004	26.85	53.29	26.86	53.29
13L1200W	13L	G025YR24HR	17.01	48.50	0.005	27.22	54.04	27.23	54.04
13L1200W	13L	G100YR24HR	14.80	67.08	0.006	27.30	55.10	27.30	55.10
13L1202W	GEE	G002YR24HR	12.65	8.37	-0.003	12.88	60.54	12.87	60.50
13L1202W	GEE	G010YR24HR	12.09	9.43	-0.025	13.61	61.60	13.61	61.60
13L1202W	GEE	G025YR24HR	11.88	9.09	-0.014	13.98	62.26	13.98	62.26

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L1202W	GEE	G100YR24HR	11.68	8.58	-0.006	14.45	63.27	14.45	63.26
13L1203C	GEE	G002YR24HR	12.76	8.83	0.003	12.87	60.50	64.20	51.52
13L1203C	GEE	G010YR24HR	12.92	9.06	-0.005	13.61	61.60	16.76	52.50
13L1203C	GEE	G025YR24HR	12.98	9.14	-0.005	13.98	62.26	19.71	53.57
13L1203C	GEE	G100YR24HR	13.21	9.21	-0.006	14.45	63.26	25.47	55.08
13L1400	13L	G002YR24HR	15.17	119.79	0.135	24.55	52.22	28.80	52.10
13L1400	13L	G010YR24HR	15.62	246.92	0.135	24.83	53.36	26.85	53.29
13L1400	13L	G025YR24HR	15.09	323.91	0.135	25.69	54.09	27.22	54.04
13L1400	13L	G100YR24HR	13.86	454.00	6.021	26.41	55.15	27.30	55.10
13L1500B	13L	G002YR24HR	15.15	119.94	0.004	16.67	52.44	24.55	52.22
13L1500B	13L	G010YR24HR	15.61	247.15	0.008	17.74	53.65	24.83	53.36
13L1500B	13L	G025YR24HR	15.08	324.15	0.017	24.26	54.32	25.69	54.09
13L1500B	13L	G100YR24HR	14.18	454.00	0.046	24.53	55.39	26.41	55.15
13L1700	13L	G002YR24HR	15.14	120.00	-0.201	15.90	52.60	16.67	52.44
13L1700	13L	G010YR24HR	15.60	247.23	-0.201	16.71	53.78	17.74	53.65
13L1700	13L	G025YR24HR	15.08	324.23	-0.201	24.09	54.36	24.26	54.32
13L1700	13L	G100YR24HR	14.17	454.12	-0.201	24.42	55.43	24.53	55.39
13L1800D	13L	G002YR24HR	12.73	200.04	0.030	12.73	54.48	15.90	52.60
13L1800D	13L	G010YR24HR	13.07	318.31	27.267	13.07	55.25	16.71	53.78
13L1800D	13L	G025YR24HR	12.52	367.44	35.582	13.92	55.70	24.09	54.36
13L1800D	13L	G100YR24HR	12.72	473.31	35.053	13.70	56.96	24.42	55.43
13L1850B	13L	G002YR24HR	12.56	152.72	0.019	12.66	54.90	12.73	54.48
13L1850B	13L	G010YR24HR	13.11	228.63	0.202	13.07	55.84	13.07	55.25
13L1850B	13L	G025YR24HR	12.78	266.15	-60.979	13.87	56.28	13.92	55.70
13L1850B	13L	G100YR24HR	12.08	260.09	-61.979	13.73	57.04	13.70	56.96
13L1890C	13L	G002YR24HR	16.28	31.02	-0.201	16.28	55.80	12.66	54.90
13L1890C	13L	G010YR24HR	19.71	37.65	2.398	15.77	56.58	13.07	55.84
13L1890C	13L	G025YR24HR	25.24	35.85	1.476	15.11	56.99	13.87	56.28
13L1890C	13L	G100YR24HR	15.48	26.19	-0.313	15.14	57.97	13.73	57.04
13L1890D	13L	G002YR24HR	13.14	53.97	-0.441	12.90	55.09	12.73	54.48
13L1890D	13L	G010YR24HR	12.72	83.76	1.207	12.76	56.83	13.07	55.25
13L1890D	13L	G025YR24HR	12.31	85.94	1.028	12.45	57.13	13.92	55.70
13L1890D	13L	G100YR24HR	12.15	86.12	0.861	12.25	57.35	13.70	56.96
13L1890W_1	13L	G002YR24HR	0.00	0.00	0.000	12.90	55.09	15.90	52.60
13L1890W_1	13L	G010YR24HR	12.76	25.61	0.012	12.76	56.83	16.71	53.78
13L1890W_1	13L	G025YR24HR	12.45	132.82	0.073	12.45	57.13	24.09	54.36
13L1890W_1	13L	G100YR24HR	12.25	267.33	0.181	12.25	57.35	24.42	55.43
13L1890W_2	13L	G002YR24HR	0.00	0.00	0.000	12.90	55.09	12.73	54.48
13L1890W_2	13L	G010YR24HR	0.00	0.00	0.000	12.76	56.83	13.07	55.25
13L1890W_2	13L	G025YR24HR	12.45	12.67	0.013	12.45	57.13	13.92	55.70
13L1890W_2	13L	G100YR24HR	12.25	56.92	0.051	12.25	57.35	13.70	56.96
13L1900D	13L	G002YR24HR	16.27	50.91	0.006	16.27	55.81	12.66	54.90
13L1900D	13L	G010YR24HR	16.03	163.93	0.031	15.76	56.58	13.07	55.84
13L1900D	13L	G025YR24HR	15.58	210.89	0.041	15.11	56.99	13.87	56.28
13L1900D	13L	G100YR24HR	15.39	293.06	-11.778	15.14	57.97	13.73	57.04
13L1925W	13L	G002YR24HR	13.52	49.88	-0.020	16.27	55.81	16.28	55.80
13L1925W	13L	G010YR24HR	20.18	34.70	0.134	15.76	56.58	15.77	56.58
13L1925W	13L	G025YR24HR	25.33	33.04	0.304	15.11	56.99	15.11	56.99
13L1925W	13L	G100YR24HR	11.63	54.83	1.137	15.14	57.97	15.14	57.97
13L1945W	13L	G002YR24HR	0.00	0.00	0.000	16.27	55.81	12.66	54.90
13L1945W	13L	G010YR24HR	0.00	0.00	0.000	15.76	56.58	13.07	55.84
13L1945W	13L	G025YR24HR	0.00	0.00	0.000	15.11	56.99	13.87	56.28
13L1945W	13L	G100YR24HR	0.00	0.00	0.000	15.14	57.97	13.73	57.04
13L1960B	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1960B	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1960B	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1960B	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1965W	13L	G002YR24HR	24.82	1.74	0.013	19.29	55.76	16.27	55.81
13L1965W	13L	G010YR24HR	16.33	24.81	0.196	15.78	56.59	15.76	56.58
13L1965W	13L	G025YR24HR	14.25	40.26	0.378	15.11	56.99	15.11	56.99
13L1965W	13L	G100YR24HR	14.31	168.52	0.820	15.12	57.98	15.14	57.97
13L1975W	13L	G002YR24HR	0.00	0.00	-0.001	19.29	55.76	13.33	56.45
13L1975W	13L	G010YR24HR	0.00	0.00	-0.003	15.78	56.59	13.43	56.77
13L1975W	13L	G025YR24HR	0.00	0.00	-0.004	15.11	56.99	15.05	57.13
13L1975W	13L	G100YR24HR	0.00	0.00	-0.004	15.12	57.98	15.12	58.03

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2000B	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2000B	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2000B	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2000B	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2050W	13L	G002YR24HR	13.06	97.66	0.008	13.08	57.28	13.13	56.94
13L2050W	13L	G010YR24HR	13.83	151.03	0.012	13.32	58.08	13.29	57.89
13L2050W	13L	G025YR24HR	13.34	172.87	-0.011	13.11	58.41	13.05	58.23
13L2050W	13L	G100YR24HR	13.93	256.85	0.022	13.97	58.89	14.00	58.64
13L2100S	13L	G002YR24HR	12.52	93.91	0.174	12.53	60.63	12.52	57.46
13L2100S	13L	G010YR24HR	12.63	144.85	0.175	12.63	62.54	12.63	58.13
13L2100S	13L	G025YR24HR	12.55	152.14	0.179	12.55	62.88	12.55	58.23
13L2100S	13L	G100YR24HR	13.83	243.83	0.166	13.83	68.60	13.20	59.78
13L2200D	13L	G002YR24HR	12.53	93.91	0.011	12.53	65.05	12.53	60.63
13L2200D	13L	G010YR24HR	12.62	144.85	0.019	12.62	66.18	12.63	62.54
13L2200D	13L	G025YR24HR	12.55	152.14	0.022	12.55	66.89	12.55	62.88
13L2200D	13L	G100YR24HR	12.24	156.90	0.021	13.83	68.82	13.83	68.60
13L2300W	13L	G002YR24HR	0.00	0.00	0.000	12.53	65.05	12.53	60.63
13L2300W	13L	G010YR24HR	0.00	0.00	0.000	12.62	66.18	12.63	62.54
13L2300W	13L	G025YR24HR	0.00	0.00	0.000	12.55	66.89	12.55	62.88
13L2300W	13L	G100YR24HR	13.83	207.92	0.023	13.83	68.82	13.83	68.60
13L2350S	13L	G002YR24HR	12.62	86.78	-1.982	12.63	67.11	0.40	66.25
13L2350S	13L	G010YR24HR	12.45	137.16	-1.981	12.45	68.92	0.40	66.25
13L2350S	13L	G025YR24HR	12.18	153.99	-1.980	12.36	70.13	12.55	66.89
13L2350S	13L	G100YR24HR	12.00	164.67	-1.965	13.48	72.90	13.83	68.82
13L2400W	13L	G002YR24HR	0.00	0.00	0.000	12.63	67.11	12.53	65.05
13L2400W	13L	G010YR24HR	0.00	0.00	0.000	12.45	68.92	12.62	66.18
13L2400W	13L	G025YR24HR	0.00	0.00	0.000	12.36	70.13	12.55	66.89
13L2400W	13L	G100YR24HR	13.48	96.60	0.015	13.48	72.90	13.83	68.82
13L2450D	13L	G002YR24HR	13.00	74.68	-0.006	13.00	70.85	12.63	67.11
13L2450D	13L	G010YR24HR	13.92	119.10	0.009	13.66	71.90	12.45	68.92
13L2450D	13L	G025YR24HR	14.38	131.08	-0.013	14.04	73.15	12.36	70.13
13L2450D	13L	G100YR24HR	19.09	135.52	-0.031	13.37	74.42	13.48	72.90
13L2451W	13L	G002YR24HR	0.00	0.00	0.000	13.00	70.85	12.63	67.11
13L2451W	13L	G010YR24HR	0.00	0.00	0.000	13.66	71.90	12.45	68.92
13L2451W	13L	G025YR24HR	0.00	0.00	0.000	14.04	73.15	12.36	70.13
13L2451W	13L	G100YR24HR	13.37	160.26	0.024	13.37	74.42	13.48	72.90
13L2510W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	13.00	70.85
13L2510W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.66	71.90
13L2510W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	14.04	73.15
13L2510W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.37	74.42
13L2511W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	13.00	70.85
13L2511W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.66	71.90
13L2511W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	14.04	73.15
13L2511W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.37	74.42
13L2520W	13L	G002YR24HR	12.17	21.49	0.004	12.17	75.55	12.63	67.11
13L2520W	13L	G010YR24HR	12.17	42.51	0.007	12.17	75.72	12.45	68.92
13L2520W	13L	G025YR24HR	12.17	57.91	0.009	12.17	75.83	12.36	70.13
13L2520W	13L	G100YR24HR	12.11	85.52	0.013	12.11	76.01	13.48	72.90
13L2530D	13L	G002YR24HR	12.33	7.06	0.001	12.33	73.22	13.00	70.85
13L2530D	13L	G010YR24HR	12.27	11.74	0.002	12.30	73.96	13.66	71.90
13L2530D	13L	G025YR24HR	12.20	16.89	0.005	12.21	74.26	14.04	73.15
13L2530D	13L	G100YR24HR	12.11	21.82	0.007	12.34	74.95	13.37	74.42
13L2531W	13L	G002YR24HR	0.00	0.00	0.000	12.33	73.22	13.00	70.85
13L2531W	13L	G010YR24HR	0.00	0.00	0.000	12.30	73.96	13.66	71.90
13L2531W	13L	G025YR24HR	0.00	0.00	0.000	12.21	74.26	14.04	73.15
13L2531W	13L	G100YR24HR	0.00	0.00	0.000	12.34	74.95	13.37	74.42
13L2550D	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	13.00	70.85
13L2550D	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	13.66	71.90
13L2550D	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	14.04	73.15
13L2550D	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	13.37	74.42
13L2560W1	13L	G002YR24HR	12.18	26.54	0.005	12.18	82.32	13.00	70.85
13L2560W1	13L	G010YR24HR	12.17	44.82	0.007	12.17	82.41	13.66	71.90
13L2560W1	13L	G025YR24HR	12.16	57.64	0.009	12.16	82.47	14.04	73.15
13L2560W1	13L	G100YR24HR	12.15	80.09	0.012	12.15	82.56	13.37	74.42
13L2560W2	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.33	73.22
13L2560W2	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.30	73.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2560W2	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.21	74.26
13L2560W2	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.34	74.95
13L2560W3	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.17	75.55
13L2560W3	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.17	75.72
13L2560W3	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.17	75.83
13L2560W3	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.11	76.01
13L2600C	13L	G002YR24HR	12.56	43.59	13.175	12.56	71.27	12.56	70.77
13L2600C	13L	G010YR24HR	12.92	93.59	-12.901	12.93	72.63	13.72	71.90
13L2600C	13L	G025YR24HR	12.52	124.45	17.907	12.90	73.99	14.04	73.15
13L2600C	13L	G100YR24HR	12.16	138.89	17.586	12.95	74.64	13.37	74.42
13L2601C	13L	G002YR24HR	12.56	19.42	3.009	12.56	71.27	13.00	70.85
13L2601C	13L	G010YR24HR	12.80	25.10	4.020	12.93	72.63	13.66	71.90
13L2601C	13L	G025YR24HR	12.52	33.65	4.260	12.90	73.99	14.04	73.15
13L2601C	13L	G100YR24HR	12.16	37.55	5.074	12.95	74.64	13.37	74.42
13L2710D	13L	G002YR24HR	12.73	2.93	0.001	12.81	73.65	12.56	71.27
13L2710D	13L	G010YR24HR	12.44	2.86	0.001	13.17	74.67	12.93	72.63
13L2710D	13L	G025YR24HR	19.42	2.81	0.001	13.75	75.42	12.90	73.99
13L2710D	13L	G100YR24HR	24.66	2.76	-0.001	12.81	76.15	12.95	74.64
13L2711W	13L	G002YR24HR	0.00	0.00	0.000	12.81	73.65	12.56	71.27
13L2711W	13L	G010YR24HR	0.00	0.00	0.000	13.17	74.67	12.93	72.63
13L2711W	13L	G025YR24HR	0.00	0.00	0.000	13.75	75.42	12.90	73.99
13L2711W	13L	G100YR24HR	12.81	6.44	0.003	12.81	76.15	12.95	74.64
13L2750W_1	13L	G002YR24HR	16.97	0.84	0.000	16.97	77.95	12.56	71.27
13L2750W_1	13L	G010YR24HR	12.88	0.89	0.000	12.88	78.41	12.93	72.63
13L2750W_1	13L	G025YR24HR	12.58	0.91	0.000	12.58	78.68	12.90	73.99
13L2750W_1	13L	G100YR24HR	12.13	0.92	0.000	12.38	79.02	12.95	74.64
13L2750W_2	13L	G002YR24HR	16.97	2.08	0.000	16.97	77.95	12.56	71.27
13L2750W_2	13L	G010YR24HR	12.88	37.54	0.010	12.88	78.41	12.93	72.63
13L2750W_2	13L	G025YR24HR	12.58	72.00	0.021	12.58	78.68	12.90	73.99
13L2750W_2	13L	G100YR24HR	12.38	129.11	0.030	12.38	79.02	12.95	74.64
13L2800	13L	G002YR24HR	15.53	46.22	-0.370	15.48	72.43	12.56	71.27
13L2800	13L	G010YR24HR	13.60	74.55	-0.370	12.96	73.20	12.93	72.63
13L2800	13L	G025YR24HR	13.21	93.97	-0.370	12.97	74.27	12.90	73.99
13L2800	13L	G100YR24HR	13.01	148.18	-0.370	12.99	75.01	12.95	74.64
13L2900C_1	13L	G002YR24HR	15.46	23.11	0.005	15.46	74.28	15.46	73.26
13L2900C_1	13L	G010YR24HR	13.57	37.16	0.007	13.59	74.96	13.57	73.67
13L2900C_1	13L	G025YR24HR	13.18	46.93	0.007	13.19	75.42	13.18	73.96
13L2900C_1	13L	G100YR24HR	13.01	74.08	0.007	13.00	77.54	12.99	75.01
13L2900C_2	13L	G002YR24HR	15.46	23.11	0.005	15.46	74.28	15.46	73.26
13L2900C_2	13L	G010YR24HR	13.57	37.16	0.007	13.59	74.96	13.57	73.67
13L2900C_2	13L	G025YR24HR	13.18	46.93	0.007	13.19	75.42	13.18	73.96
13L2900C_2	13L	G100YR24HR	13.01	74.08	0.007	13.00	77.54	12.99	75.01
13L3100	13L	G002YR24HR	15.50	46.00	-0.150	15.50	74.91	15.46	74.28
13L3100	13L	G010YR24HR	13.61	73.70	-0.149	13.60	75.56	13.59	74.96
13L3100	13L	G025YR24HR	13.19	92.83	-0.154	13.19	75.98	13.19	75.42
13L3100	13L	G100YR24HR	12.97	146.36	-0.155	13.00	77.75	13.00	77.54
13L3110C	13L	G002YR24HR	13.64	13.11	0.003	13.66	82.67	4.38	79.11
13L3110C	13L	G010YR24HR	13.51	24.08	0.004	13.53	83.46	3.03	79.11
13L3110C	13L	G025YR24HR	13.51	31.21	0.005	13.51	84.00	2.48	79.11
13L3110C	13L	G100YR24HR	12.88	32.89	0.006	12.88	84.51	1.88	79.11
13L3111W	13L	G002YR24HR	0.00	0.00	0.000	13.66	82.67	15.50	74.91
13L3111W	13L	G010YR24HR	0.00	0.00	0.000	13.53	83.46	13.60	75.56
13L3111W	13L	G025YR24HR	0.00	0.00	0.000	13.51	84.00	13.19	75.98
13L3111W	13L	G100YR24HR	12.88	55.04	0.015	12.88	84.51	13.00	77.75
13L3200D	13L	G002YR24HR	12.64	5.50	0.001	12.64	76.95	15.50	74.91
13L3200D	13L	G010YR24HR	12.58	11.62	0.001	12.58	77.17	13.60	75.56
13L3200D	13L	G025YR24HR	12.61	19.15	0.002	12.61	77.40	13.19	75.98
13L3200D	13L	G100YR24HR	12.48	34.07	-0.005	13.27	78.01	13.00	77.75
13L3201W	13L	G002YR24HR	0.00	0.00	0.000	12.64	76.95	15.50	74.91
13L3201W	13L	G010YR24HR	0.00	0.00	0.000	12.58	77.17	13.60	75.56
13L3201W	13L	G025YR24HR	0.00	0.00	0.000	12.61	77.40	13.19	75.98
13L3201W	13L	G100YR24HR	0.00	0.00	0.000	13.27	78.01	13.00	77.75
13M0200D	13M	G002YR24HR	14.88	20.97	0.924	15.97	52.08	30.54	51.90
13M0200D	13M	G010YR24HR	14.66	35.64	4.682	27.94	53.40	28.83	53.04
13M0200D	13M	G025YR24HR	14.12	39.62	4.821	30.50	54.37	28.42	53.78
13M0200D	13M	G100YR24HR	47.39	42.33	0.924	37.42	55.60	28.07	54.74

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M0400	13M	G002YR24HR	14.80	21.04	3.635	15.93	52.08	15.97	52.08
13M0400	13M	G010YR24HR	14.21	35.91	3.635	27.93	53.40	27.94	53.40
13M0400	13M	G025YR24HR	13.96	40.19	3.635	30.51	54.37	30.50	54.37
13M0400	13M	G100YR24HR	47.17	42.16	3.635	37.44	55.60	37.42	55.60
13M0800S	13M	G002YR24HR	12.21	52.04	5.488	12.22	52.41	15.93	52.08
13M0800S	13M	G010YR24HR	12.19	76.24	5.488	12.19	53.67	27.93	53.40
13M0800S	13M	G025YR24HR	12.12	81.00	5.488	27.04	54.59	30.51	54.37
13M0800S	13M	G100YR24HR	12.17	86.55	5.488	36.25	55.91	37.44	55.60
13M0900S	13M	G002YR24HR	12.21	49.69	0.868	12.21	54.39	13.23	51.91
13M0900S	13M	G010YR24HR	12.20	72.13	0.293	12.20	55.25	25.93	53.53
13M0900S	13M	G025YR24HR	12.29	75.66	1.809	12.16	55.67	27.04	54.59
13M0900S	13M	G100YR24HR	12.31	79.40	3.390	12.20	56.46	36.25	55.91
13M0960S	13M	G002YR24HR	12.17	11.55	0.060	12.19	55.35	12.21	54.39
13M0960S	13M	G010YR24HR	12.12	15.78	-0.561	12.16	57.03	12.20	55.25
13M0960S	13M	G025YR24HR	12.01	15.85	0.683	12.13	57.42	12.16	55.67
13M0960S	13M	G100YR24HR	11.89	15.76	-0.496	12.16	57.79	12.20	56.46
13M0980D	13M	G002YR24HR	12.12	11.83	0.002	12.12	58.17	12.19	55.35
13M0980D	13M	G010YR24HR	12.09	16.28	0.002	12.11	58.30	12.16	57.03
13M0980D	13M	G025YR24HR	11.97	16.91	0.003	12.11	58.40	12.13	57.42
13M0980D	13M	G100YR24HR	11.86	17.01	0.003	12.10	58.54	12.16	57.79
13M0985W	13M	G002YR24HR	12.12	2.39	0.001	12.12	58.17	12.23	54.68
13M0985W	13M	G010YR24HR	12.11	7.42	0.002	12.11	58.30	12.29	56.36
13M0985W	13M	G025YR24HR	12.11	14.11	0.004	12.11	58.40	12.44	56.82
13M0985W	13M	G100YR24HR	12.10	27.49	0.008	12.10	58.54	12.57	57.72
13M1000S	13M	G002YR24HR	12.26	28.03	-5.185	12.23	54.68	12.21	54.39
13M1000S	13M	G010YR24HR	12.36	41.41	-6.360	12.29	56.36	12.20	55.25
13M1000S	13M	G025YR24HR	12.79	48.21	7.349	12.44	56.82	12.16	55.67
13M1000S	13M	G100YR24HR	13.20	50.03	-6.187	12.57	57.72	12.20	56.46
13M1100W	13M	G002YR24HR	0.00	0.00	0.000	12.23	54.68	15.93	52.08
13M1100W	13M	G010YR24HR	0.00	0.00	0.000	12.29	56.36	27.93	53.40
13M1100W	13M	G025YR24HR	0.00	0.00	0.000	12.44	56.82	30.51	54.37
13M1100W	13M	G100YR24HR	12.57	16.60	0.004	12.57	57.72	37.44	55.60
13M1200	13M	G002YR24HR	12.23	25.93	1.192	12.23	55.48	12.23	54.68
13M1200	13M	G010YR24HR	12.25	35.82	-5.201	12.29	56.46	12.29	56.36
13M1200	13M	G025YR24HR	18.08	44.78	-6.171	12.43	56.88	12.44	56.82
13M1200	13M	G100YR24HR	12.43	57.39	5.199	12.56	57.76	12.57	57.72
13M1300C	13M	G002YR24HR	12.21	23.18	0.660	12.21	56.12	12.21	55.66
13M1300C	13M	G010YR24HR	12.07	30.35	0.660	12.28	56.65	12.29	56.46
13M1300C	13M	G025YR24HR	18.65	34.81	0.660	12.41	56.98	12.43	56.88
13M1300C	13M	G100YR24HR	11.89	32.55	0.660	12.54	57.85	12.56	57.76
13M1400W	13M	G002YR24HR	0.00	0.00	0.000	12.21	56.12	12.23	55.48
13M1400W	13M	G010YR24HR	12.28	4.89	0.002	12.28	56.65	12.29	56.46
13M1400W	13M	G025YR24HR	12.37	13.52	0.006	12.41	56.98	12.43	56.88
13M1400W	13M	G100YR24HR	12.39	39.60	0.012	12.54	57.85	12.56	57.76
13M1500	13M	G002YR24HR	12.16	19.09	-0.605	12.17	56.67	12.21	56.12
13M1500	13M	G010YR24HR	20.15	26.72	-0.603	12.28	57.05	12.28	56.65
13M1500	13M	G025YR24HR	19.62	38.89	-2.944	12.39	57.31	12.41	56.98
13M1500	13M	G100YR24HR	13.29	49.01	3.206	12.50	58.05	12.54	57.85
13M1510D	13M	G002YR24HR	12.11	10.89	0.004	12.11	61.37	12.17	56.67
13M1510D	13M	G010YR24HR	11.93	12.80	-0.009	12.34	61.63	12.28	57.05
13M1510D	13M	G025YR24HR	11.84	12.76	-0.012	12.41	61.82	12.39	57.31
13M1510D	13M	G100YR24HR	11.73	12.52	-0.009	12.35	62.03	12.50	58.05
13M1515W	13M	G002YR24HR	0.00	0.00	0.000	12.11	61.37	12.17	56.67
13M1515W	13M	G010YR24HR	0.00	0.00	0.000	12.34	61.63	12.28	57.05
13M1515W	13M	G025YR24HR	12.41	1.23	0.001	12.41	61.82	12.39	57.31
13M1515W	13M	G100YR24HR	12.35	9.41	0.003	12.35	62.03	12.50	58.05
13M1550S	13M	G002YR24HR	24.31	8.87	0.642	24.53	56.73	12.17	56.67
13M1550S	13M	G010YR24HR	21.31	25.81	0.642	21.19	57.80	12.28	57.05
13M1550S	13M	G025YR24HR	20.05	37.55	0.642	19.82	58.81	12.39	57.31
13M1550S	13M	G100YR24HR	19.21	44.52	-1.369	22.06	60.11	12.50	58.05
13M1650S	13M	G002YR24HR	24.24	8.87	0.007	24.34	58.01	12.17	56.67
13M1650S	13M	G010YR24HR	21.13	25.81	-0.476	21.23	59.14	26.10	57.66
13M1650S	13M	G025YR24HR	19.79	37.55	-1.560	19.90	59.86	13.99	57.67
13M1650S	13M	G100YR24HR	19.21	44.53	-11.326	20.96	61.23	22.06	60.11
13M1900D	13M	G002YR24HR	12.86	8.11	0.001	12.86	63.39	24.34	58.01

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M1900D	13M	G010YR24HR	12.88	12.36	0.002	12.88	64.93	21.23	59.14
13M1900D	13M	G025YR24HR	12.94	14.13	0.003	12.94	66.13	19.90	59.86
13M1900D	13M	G100YR24HR	12.69	16.05	0.004	12.69	67.62	20.96	61.23
13M1910W	13M	G002YR24HR	0.00	0.00	0.000	12.86	63.39	24.34	58.01
13M1910W	13M	G010YR24HR	0.00	0.00	0.000	12.88	64.93	21.23	59.14
13M1910W	13M	G025YR24HR	0.00	0.00	0.000	12.94	66.13	19.90	59.86
13M1910W	13M	G100YR24HR	12.69	12.67	0.005	12.69	67.62	20.96	61.23
13M2317S	13M	G002YR24HR	13.19	29.74	-0.020	13.19	59.74	24.34	58.01
13M2317S	13M	G010YR24HR	13.48	33.05	0.151	13.21	59.98	21.23	59.14
13M2317S	13M	G025YR24HR	12.88	34.82	0.515	16.68	60.10	19.90	59.86
13M2317S	13M	G100YR24HR	12.68	34.95	0.794	17.33	61.52	20.96	61.23
13M2318S	13M	G002YR24HR	13.13	35.98	-14.179	13.13	60.18	13.13	59.50
13M2318S	13M	G010YR24HR	12.38	36.30	-12.648	12.38	60.19	13.21	59.98
13M2318S	13M	G025YR24HR	12.23	36.40	-16.274	12.23	60.20	16.68	60.10
13M2318S	13M	G100YR24HR	12.06	36.43	-16.288	16.36	61.75	17.33	61.52
13M2319S	13M	G002YR24HR	14.07	31.63	-10.541	14.07	60.30	13.13	60.18
13M2319S	13M	G010YR24HR	13.04	32.80	8.955	13.05	60.35	12.38	60.19
13M2319S	13M	G025YR24HR	12.88	34.19	9.020	12.91	60.41	12.23	60.20
13M2319S	13M	G100YR24HR	12.73	35.58	9.235	16.29	61.81	16.36	61.75
13M2320S	13M	G002YR24HR	13.15	28.00	-18.649	14.07	60.54	5.15	62.02
13M2320S	13M	G010YR24HR	13.02	32.80	-18.649	13.04	60.70	3.76	62.02
13M2320S	13M	G025YR24HR	12.87	34.19	-18.649	12.89	60.76	3.19	62.02
13M2320S	13M	G100YR24HR	12.71	35.59	-18.649	16.19	61.91	2.54	62.02
13M2325W	13M	G002YR24HR	0.00	0.00	0.000	13.40	69.09	24.34	58.01
13M2325W	13M	G010YR24HR	12.90	32.72	0.007	12.90	70.05	21.23	59.14
13M2325W	13M	G025YR24HR	12.75	61.83	0.013	12.75	70.37	19.90	59.86
13M2325W	13M	G100YR24HR	12.64	112.48	0.022	12.64	70.82	20.96	61.23
13M2330D	13M	G002YR24HR	15.44	16.50	0.004	13.40	69.09	13.47	67.34
13M2330D	13M	G010YR24HR	16.77	16.39	0.003	12.90	70.05	12.99	68.59
13M2330D	13M	G025YR24HR	17.27	16.29	0.001	12.75	70.37	12.84	68.97
13M2330D	13M	G100YR24HR	18.14	16.19	-0.001	12.64	70.82	12.68	69.36
13M2331S	13M	G002YR24HR	13.40	13.09	-2.410	13.40	69.08	13.40	66.59
13M2331S	13M	G010YR24HR	12.90	19.46	2.410	12.90	70.05	12.90	66.76
13M2331S	13M	G025YR24HR	12.75	21.14	2.410	12.75	70.37	12.75	66.80
13M2331S	13M	G100YR24HR	12.35	22.57	2.410	12.64	70.82	12.68	69.36
13M2331W	13M	G002YR24HR	12.17	12.71	0.002	12.17	74.04	13.40	69.08
13M2331W	13M	G010YR24HR	12.16	21.14	0.003	12.16	74.26	12.90	70.05
13M2331W	13M	G025YR24HR	12.14	27.05	0.004	12.14	74.38	12.75	70.37
13M2331W	13M	G100YR24HR	12.13	37.43	0.005	12.13	74.55	12.64	70.82
13M2331W2	13M	G002YR24HR	12.13	13.16	0.097	13.40	69.08	13.40	69.09
13M2331W2	13M	G010YR24HR	12.06	25.77	-0.841	12.90	70.05	12.90	70.05
13M2331W2	13M	G025YR24HR	12.00	28.30	-1.719	12.75	70.37	12.75	70.37
13M2331W2	13M	G100YR24HR	12.09	36.42	2.827	12.64	70.82	12.64	70.82
13M2333S	13M	G002YR24HR	13.47	27.70	0.006	13.47	67.34	11.76	64.78
13M2333S	13M	G010YR24HR	12.99	32.81	0.004	12.99	68.59	11.09	64.78
13M2333S	13M	G025YR24HR	12.84	34.21	-0.002	12.84	68.97	10.40	64.78
13M2333S	13M	G100YR24HR	12.68	35.59	-0.002	12.68	69.36	9.03	64.78
13M2334S	13M	G002YR24HR	11.89	8.00	-17.160	13.38	69.12	13.40	69.09
13M2334S	13M	G010YR24HR	11.64	8.15	-17.160	12.89	70.11	12.90	70.05
13M2334S	13M	G025YR24HR	11.39	8.11	-17.160	12.74	70.44	12.75	70.37
13M2334S	13M	G100YR24HR	10.25	8.12	-17.160	12.63	70.92	12.64	70.82
13M2334W	13M	G002YR24HR	12.70	27.99	0.007	13.38	69.12	13.40	69.09
13M2334W	13M	G010YR24HR	12.62	52.59	0.013	12.89	70.11	12.90	70.05
13M2334W	13M	G025YR24HR	12.59	71.14	0.010	12.74	70.44	12.75	70.37
13M2334W	13M	G100YR24HR	12.56	103.23	0.011	12.63	70.92	12.64	70.82
13M2335S	13M	G002YR24HR	12.36	8.36	-0.065	12.80	70.58	13.38	69.12
13M2335S	13M	G010YR24HR	16.61	8.27	-0.073	12.71	70.89	12.89	70.11
13M2335S	13M	G025YR24HR	11.78	8.37	-0.079	12.66	71.08	12.74	70.44
13M2335S	13M	G100YR24HR	11.01	8.61	-0.086	12.63	71.36	12.63	70.92
13M2335W	13M	G002YR24HR	12.80	19.94	0.007	12.80	70.58	13.38	69.12
13M2335W	13M	G010YR24HR	12.71	44.71	0.009	12.71	70.89	12.89	70.11
13M2335W	13M	G025YR24HR	12.66	62.39	0.006	12.66	71.08	12.74	70.44
13M2335W	13M	G100YR24HR	12.63	92.71	0.010	12.63	71.36	12.63	70.92
13M2340	13M	G002YR24HR	12.73	25.34	1.090	12.74	71.33	12.80	70.58
13M2340	13M	G010YR24HR	12.66	45.70	1.090	12.67	71.66	12.71	70.89
13M2340	13M	G025YR24HR	12.62	61.01	1.090	12.63	71.84	12.66	71.08

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M2340	13M	G100YR24HR	12.58	87.51	-1.090	12.59	72.09	12.63	71.36
13M2360D	13M	G002YR24HR	19.73	0.87	0.000	19.73	62.66	24.34	58.01
13M2360D	13M	G010YR24HR	19.84	1.28	0.000	20.14	63.18	21.23	59.14
13M2360D	13M	G025YR24HR	13.38	1.39	0.000	23.25	63.60	19.90	59.86
13M2360D	13M	G100YR24HR	12.35	1.44	0.000	24.13	64.36	20.96	61.23
13M2360W	13M	G002YR24HR	0.00	0.00	0.000	19.73	62.66	24.34	58.01
13M2360W	13M	G010YR24HR	0.00	0.00	0.000	20.14	63.18	21.23	59.14
13M2360W	13M	G025YR24HR	0.00	0.00	0.000	23.25	63.60	19.90	59.86
13M2360W	13M	G100YR24HR	0.00	0.00	0.000	24.13	64.36	20.96	61.23
13N0100D	13N	G002YR24HR	14.04	8.64	0.001	14.04	53.66	14.08	52.74
13N0100D	13N	G010YR24HR	13.86	17.34	0.003	13.88	54.38	13.89	53.75
13N0100D	13N	G025YR24HR	14.12	20.29	0.005	14.04	54.96	13.96	54.09
13N0100D	13N	G100YR24HR	12.53	20.70	0.009	14.01	55.45	27.30	55.10
13N0100W	13N	G002YR24HR	12.50	1.26	-66.560	14.04	53.66	0.00	54.01
13N0100W	13N	G010YR24HR	12.09	9.05	-66.560	13.88	54.38	13.86	54.39
13N0100W	13N	G025YR24HR	11.97	8.75	-66.560	14.04	54.96	14.02	54.97
13N0100W	13N	G100YR24HR	12.08	10.56	-66.560	14.01	55.45	14.01	55.45
13N0150S	13N	G002YR24HR	14.07	8.64	0.002	14.08	52.74	14.13	52.27
13N0150S	13N	G010YR24HR	13.88	17.34	-0.013	13.89	53.75	26.77	53.29
13N0150S	13N	G025YR24HR	14.13	20.30	-0.111	13.96	54.09	27.23	54.04
13N0150S	13N	G100YR24HR	12.52	20.57	-0.105	27.30	55.10	27.30	55.10
13N0200	13N	G002YR24HR	13.96	23.09	0.110	28.93	52.10	29.00	52.09
13N0200	13N	G010YR24HR	13.63	44.73	0.098	26.84	53.29	26.86	53.29
13N0200	13N	G025YR24HR	13.28	56.08	0.098	27.23	54.04	27.23	54.04
13N0200	13N	G100YR24HR	12.72	61.06	0.098	27.30	55.10	27.30	55.10
13N0200D	13N	G002YR24HR	0.00	0.00	0.000	0.00	54.01	14.13	52.27
13N0200D	13N	G010YR24HR	13.86	0.12	0.000	13.86	54.39	26.77	53.29
13N0200D	13N	G025YR24HR	14.02	1.16	0.000	14.02	54.97	27.23	54.04
13N0200D	13N	G100YR24HR	14.00	15.03	-0.007	14.01	55.45	27.30	55.10
13N0200W	13N	G002YR24HR	0.00	0.00	0.000	0.00	54.01	28.93	52.10
13N0200W	13N	G010YR24HR	0.00	0.00	0.000	13.86	54.39	26.84	53.29
13N0200W	13N	G025YR24HR	0.00	0.00	0.000	14.02	54.97	27.23	54.04
13N0200W	13N	G100YR24HR	0.00	0.00	0.000	14.01	55.45	27.30	55.10
13N0250S	13N	G002YR24HR	14.13	8.63	0.004	14.13	52.27	0.15	53.70
13N0250S	13N	G010YR24HR	14.48	17.46	0.163	26.77	53.29	0.15	53.70
13N0250S	13N	G025YR24HR	14.05	21.53	-0.192	27.23	54.04	27.23	54.04
13N0250S	13N	G100YR24HR	13.77	33.97	0.192	27.30	55.10	27.30	55.10
13N0300	13N	G002YR24HR	12.62	43.96	20.342	26.13	52.16	28.93	52.10
13N0300	13N	G010YR24HR	12.46	67.06	20.342	25.44	53.35	26.84	53.29
13N0300	13N	G025YR24HR	15.40	82.20	20.342	26.56	54.08	27.23	54.04
13N0300	13N	G100YR24HR	15.42	115.32	20.342	27.06	55.12	27.30	55.10
13N0301D	13N	G002YR24HR	13.50	6.10	0.001	13.50	58.25	0.00	54.01
13N0301D	13N	G010YR24HR	12.85	19.68	0.003	12.85	58.56	13.86	54.39
13N0301D	13N	G025YR24HR	12.49	26.20	0.004	12.84	58.76	14.02	54.97
13N0301D	13N	G100YR24HR	12.42	26.31	0.004	12.87	59.12	14.01	55.45
13N0301W	13N	G002YR24HR	0.00	0.00	0.000	13.50	58.25	25.50	54.29
13N0301W	13N	G010YR24HR	0.00	0.00	0.000	12.85	58.56	25.50	55.62
13N0301W	13N	G025YR24HR	0.00	0.00	0.000	12.84	58.76	25.50	56.47
13N0301W	13N	G100YR24HR	12.87	9.68	0.002	12.87	59.12	25.50	57.82
13N0350S	13N	G002YR24HR	12.58	44.06	0.010	12.59	53.18	0.00	54.40
13N0350S	13N	G010YR24HR	12.42	66.96	0.015	12.43	53.68	0.00	54.40
13N0350S	13N	G025YR24HR	15.37	81.99	0.016	24.74	54.18	0.00	54.40
13N0350S	13N	G100YR24HR	15.33	115.37	1.165	24.54	55.41	27.06	55.12
13N0350W	13N	G002YR24HR	0.00	0.00	0.000	12.59	53.18	26.13	52.16
13N0350W	13N	G010YR24HR	0.00	0.00	0.000	12.43	53.68	25.44	53.35
13N0350W	13N	G025YR24HR	0.00	0.00	0.000	24.74	54.18	26.56	54.08
13N0350W	13N	G100YR24HR	0.00	0.00	0.000	24.54	55.41	27.06	55.12
13N0400	13N	G002YR24HR	12.56	37.11	1.136	12.57	53.66	12.59	53.18
13N0400	13N	G010YR24HR	14.06	57.25	1.136	12.42	54.17	12.43	53.68
13N0400	13N	G025YR24HR	14.11	76.14	1.136	14.21	54.53	24.74	54.18
13N0400	13N	G100YR24HR	16.11	99.86	1.136	24.29	55.52	24.54	55.41
13N0500S	13N	G002YR24HR	12.48	37.63	0.061	12.56	53.77	12.57	53.66
13N0500S	13N	G010YR24HR	14.04	57.22	0.061	12.37	54.61	12.42	54.17
13N0500S	13N	G025YR24HR	14.08	76.33	0.061	14.18	55.38	14.21	54.53
13N0500S	13N	G100YR24HR	16.15	99.80	0.201	15.80	56.57	24.29	55.52

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13N0500W	13N	G002YR24HR	0.00	0.00	0.000	12.56	53.77	12.57	53.66
13N0500W	13N	G010YR24HR	0.00	0.00	0.000	12.37	54.61	12.42	54.17
13N0500W	13N	G025YR24HR	0.00	0.00	0.000	14.18	55.38	14.21	54.53
13N0500W	13N	G100YR24HR	0.00	0.00	0.000	15.80	56.57	24.29	55.52
13N0501P	13N	G002YR24HR	12.62	27.27	0.008	12.62	57.52	12.62	53.65
13N0501P	13N	G010YR24HR	12.72	42.23	0.010	12.67	58.57	13.08	54.77
13N0501P	13N	G025YR24HR	12.69	41.29	1.955	13.48	59.47	14.18	55.38
13N0501P	13N	G100YR24HR	12.59	39.27	1.444	14.23	60.18	15.80	56.57
13N0700	13N	G002YR24HR	18.31	20.86	0.089	17.70	53.79	12.56	53.77
13N0700	13N	G010YR24HR	18.15	47.18	-0.262	16.07	54.86	12.37	54.61
13N0700	13N	G025YR24HR	17.90	62.24	0.413	15.99	55.54	14.18	55.38
13N0700	13N	G100YR24HR	17.08	83.14	4.840	16.15	56.59	15.80	56.57
13N0700W	13N	G002YR24HR	12.33	7.97	0.001	12.33	54.29	12.59	53.18
13N0700W	13N	G010YR24HR	12.32	12.75	0.002	12.32	54.39	12.43	53.68
13N0700W	13N	G025YR24HR	12.30	16.36	0.002	12.30	54.45	24.74	54.18
13N0700W	13N	G100YR24HR	12.28	23.01	-0.516	24.54	55.41	24.54	55.41
13N0750D	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	12.33	54.29
13N0750D	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	12.32	54.39
13N0750D	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	12.30	54.45
13N0750D	13N	G100YR24HR	0.00	0.00	-0.000	31.65	54.81	24.54	55.41
13N0750W	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	24.59	53.85
13N0750W	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	21.50	55.25
13N0750W	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	14.95	55.46
13N0750W	13N	G100YR24HR	0.00	0.00	0.000	31.65	54.81	13.74	56.16
13N0800S	13N	G002YR24HR	24.45	0.32	-0.000	24.60	53.85	24.64	53.57
13N0800S	13N	G010YR24HR	17.53	0.50	-0.005	21.61	55.25	24.20	54.66
13N0800S	13N	G025YR24HR	13.94	0.53	-0.002	15.01	55.34	24.29	54.89
13N0800S	13N	G100YR24HR	12.58	0.53	-0.001	13.07	55.47	25.15	55.31
13N0800W	13N	G002YR24HR	0.00	0.00	0.000	24.60	53.85	12.33	54.29
13N0800W	13N	G010YR24HR	21.61	1.37	0.000	21.61	55.25	12.32	54.39
13N0800W	13N	G025YR24HR	15.01	7.10	0.001	15.01	55.34	12.30	54.45
13N0800W	13N	G100YR24HR	13.07	18.53	0.006	13.07	55.47	24.54	55.41
13N0805W_1	13N	G002YR24HR	0.00	0.00	0.000	24.64	53.57	25.91	52.20
13N0805W_1	13N	G010YR24HR	0.00	0.00	0.000	24.20	54.66	25.35	53.45
13N0805W_1	13N	G025YR24HR	0.00	0.00	0.000	24.29	54.89	26.50	54.15
13N0805W_1	13N	G100YR24HR	0.00	0.00	0.000	25.15	55.31	26.90	55.13
13N0805W_2	13N	G002YR24HR	24.64	0.32	0.000	24.64	53.57	25.91	52.20
13N0805W_2	13N	G010YR24HR	17.44	0.50	0.000	24.20	54.66	25.35	53.45
13N0805W_2	13N	G025YR24HR	14.01	0.52	0.000	24.29	54.89	26.50	54.15
13N0805W_2	13N	G100YR24HR	12.78	0.51	0.000	25.15	55.31	26.90	55.13
13N0810S	13N	G002YR24HR	24.78	0.32	0.005	25.91	52.20	26.13	52.16
13N0810S	13N	G010YR24HR	17.45	0.49	0.005	25.35	53.45	25.44	53.35
13N0810S	13N	G025YR24HR	14.32	0.51	-0.006	26.50	54.15	26.56	54.08
13N0810S	13N	G100YR24HR	12.71	0.50	-0.004	26.90	55.13	27.06	55.12
13N0900S	13N	G002YR24HR	12.82	1.43	-31.073	24.59	53.85	24.60	53.85
13N0900S	13N	G010YR24HR	12.81	3.99	-31.073	21.50	55.25	21.61	55.25
13N0900S	13N	G025YR24HR	14.92	6.28	-31.073	14.95	55.46	15.01	55.34
13N0900S	13N	G100YR24HR	13.77	15.62	-31.073	13.74	56.16	13.07	55.47
13P0300C_1	13P	G002YR24HR	12.09	1.27	0.021	12.09	55.57	12.09	54.39
13P0300C_1	13P	G010YR24HR	12.08	2.28	0.021	12.09	55.74	12.08	54.47
13P0300C_1	13P	G025YR24HR	12.08	3.01	0.021	12.09	55.83	12.08	54.51
13P0300C_1	13P	G100YR24HR	12.08	4.28	-0.020	12.08	55.98	27.36	55.10
13P0300C_2	13P	G002YR24HR	12.09	1.27	0.021	12.09	55.57	12.09	54.39
13P0300C_2	13P	G010YR24HR	12.08	2.28	0.021	12.09	55.74	12.08	54.47
13P0300C_2	13P	G025YR24HR	12.08	3.01	0.021	12.09	55.83	12.08	54.51
13P0300C_2	13P	G100YR24HR	12.08	4.28	-0.020	12.08	55.98	27.36	55.10
13P0300C_3	13P	G002YR24HR	12.09	1.27	0.021	12.09	55.57	12.09	54.39
13P0300C_3	13P	G010YR24HR	12.08	2.28	0.021	12.09	55.74	12.08	54.47
13P0300C_3	13P	G025YR24HR	12.08	3.01	0.021	12.09	55.83	12.08	54.51
13P0300C_3	13P	G100YR24HR	12.08	4.28	-0.020	12.08	55.98	27.36	55.10
13P0400W	13P	G002YR24HR	0.00	0.00	0.000	12.09	55.57	0.00	54.10
13P0400W	13P	G010YR24HR	0.00	0.00	0.000	12.09	55.74	12.11	54.12
13P0400W	13P	G025YR24HR	0.00	0.00	0.000	12.09	55.83	12.11	54.14
13P0400W	13P	G100YR24HR	0.00	0.00	0.000	12.08	55.98	27.36	55.10
13P0450C	13P	G002YR24HR	0.00	5.37	5.368	0.00	54.10	29.00	52.09
13P0450C	13P	G010YR24HR	12.19	6.84	5.368	12.11	54.12	26.86	53.29

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P0450C	13P	G025YR24HR	12.15	8.90	5.368	12.11	54.14	27.23	54.04
13P0450C	13P	G100YR24HR	12.13	12.24	5.368	27.36	55.10	27.30	55.10
13P0500C	13P	G002YR24HR	12.49	66.75	0.019	12.49	60.38	12.49	54.27
13P0500C	13P	G010YR24HR	12.44	118.24	0.037	12.44	60.90	12.44	54.70
13P0500C	13P	G025YR24HR	12.40	155.09	0.051	12.40	61.20	12.40	54.95
13P0500C	13P	G100YR24HR	12.36	218.69	0.076	12.36	61.62	15.98	56.17
13P0500W	13P	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0500W	13P	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0500W	13P	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0500W	13P	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13P0501W	GEE	G002YR24HR	13.49	1.10	0.000	13.49	71.14	12.49	60.38
13P0501W	GEE	G010YR24HR	12.31	11.76	0.008	12.31	71.30	12.44	60.90
13P0501W	GEE	G025YR24HR	12.17	18.70	0.009	12.17	71.37	12.40	61.20
13P0501W	GEE	G100YR24HR	12.12	27.36	0.004	12.12	71.45	12.36	61.62
13P0700C_1	13P	G002YR24HR	12.43	18.75	0.009	12.44	65.12	12.43	62.95
13P0700C_1	13P	G010YR24HR	12.38	25.73	0.009	12.41	65.56	12.38	63.11
13P0700C_1	13P	G025YR24HR	12.37	30.05	0.009	12.37	65.82	12.37	63.21
13P0700C_1	13P	G100YR24HR	12.36	37.94	0.009	12.36	66.30	12.36	63.36
13P0700C_2	13P	G002YR24HR	12.43	18.75	0.009	12.44	65.12	12.43	62.95
13P0700C_2	13P	G010YR24HR	12.38	25.73	0.009	12.41	65.56	12.38	63.11
13P0700C_2	13P	G025YR24HR	12.37	30.05	0.009	12.37	65.82	12.37	63.21
13P0700C_2	13P	G100YR24HR	12.36	37.94	0.009	12.36	66.30	12.36	63.36
13P0860X	13P	G002YR24HR	12.47	36.61	0.005	12.50	68.12	12.44	65.12
13P0860X	13P	G010YR24HR	12.42	49.87	0.007	12.42	68.26	12.41	65.56
13P0860X	13P	G025YR24HR	12.42	58.00	0.008	12.42	68.37	12.37	65.82
13P0860X	13P	G100YR24HR	12.42	72.75	0.006	12.41	68.57	12.36	66.30
13P0950S	13P	G002YR24HR	12.74	23.27	0.004	12.73	70.56	0.05	68.20
13P0950S	13P	G010YR24HR	13.14	29.03	0.005	12.99	72.05	12.42	68.26
13P0950S	13P	G025YR24HR	13.75	31.84	0.005	13.16	73.03	12.42	68.37
13P0950S	13P	G100YR24HR	14.98	35.28	0.002	13.45	74.29	12.41	68.57
13P1000	13P	G002YR24HR	12.26	29.77	-0.237	12.70	70.65	12.73	70.56
13P1000	13P	G010YR24HR	12.18	42.60	-0.237	12.99	72.05	12.99	72.05
13P1000	13P	G025YR24HR	12.14	47.51	-0.237	13.16	73.03	13.16	73.03
13P1000	13P	G100YR24HR	12.17	55.53	-0.237	13.45	74.29	13.45	74.29
13P1150S	13P	G002YR24HR	12.31	5.73	0.002	12.32	72.50	12.31	70.39
13P1150S	13P	G010YR24HR	12.32	11.06	0.004	12.32	73.05	12.32	70.75
13P1150S	13P	G025YR24HR	12.34	14.92	0.004	12.34	73.41	13.16	73.03
13P1150S	13P	G100YR24HR	12.21	20.40	0.870	13.43	74.76	13.45	74.29
13P1151S	13P	G002YR24HR	12.31	9.98	0.003	12.32	72.50	12.31	70.78
13P1151S	13P	G010YR24HR	12.32	15.83	0.003	12.32	73.05	12.99	72.05
13P1151S	13P	G025YR24HR	12.33	19.82	-0.005	12.34	73.41	13.16	73.03
13P1151S	13P	G100YR24HR	12.14	23.02	0.776	13.43	74.76	13.45	74.29
13P1152W	13P	G002YR24HR	0.00	0.00	0.000	12.32	72.50	12.70	70.65
13P1152W	13P	G010YR24HR	0.00	0.00	0.000	12.32	73.05	12.99	72.05
13P1152W	13P	G025YR24HR	0.00	0.00	0.000	12.34	73.41	13.16	73.03
13P1152W	13P	G100YR24HR	0.00	0.00	0.000	13.43	74.76	13.45	74.29
13P1200W	GEE	G002YR24HR	0.00	0.00	0.000	12.32	72.50	0.00	71.00
13P1200W	GEE	G010YR24HR	0.00	0.00	0.000	12.32	73.05	0.00	71.00
13P1200W	GEE	G025YR24HR	0.00	0.00	0.000	12.34	73.41	0.00	71.00
13P1200W	GEE	G100YR24HR	13.43	8.15	-0.004	13.43	74.76	14.38	74.66
13P1300	13P	G002YR24HR	12.31	9.19	-2.443	12.31	73.71	12.32	72.50
13P1300	13P	G010YR24HR	12.34	16.16	2.443	12.33	74.15	12.32	73.05
13P1300	13P	G025YR24HR	12.37	21.40	-2.443	12.36	74.44	12.34	73.41
13P1300	13P	G100YR24HR	12.35	27.92	-2.443	13.40	75.16	13.43	74.76
13P1400	13P	G002YR24HR	12.40	7.05	2.074	12.54	74.81	12.31	73.71
13P1400	13P	G010YR24HR	12.42	12.58	2.074	12.45	75.12	12.33	74.15
13P1400	13P	G025YR24HR	12.43	16.94	2.074	12.44	75.35	12.36	74.44
13P1400	13P	G100YR24HR	12.44	25.02	2.074	13.34	75.72	13.40	75.16
13P1500C_1	13P	G002YR24HR	12.38	3.56	0.916	12.39	75.64	12.38	74.48
13P1500C_1	13P	G010YR24HR	12.38	6.34	0.916	12.39	75.93	12.45	75.12
13P1500C_1	13P	G025YR24HR	12.39	8.50	0.916	12.40	76.14	12.44	75.35
13P1500C_1	13P	G100YR24HR	12.41	12.58	0.916	12.43	76.50	13.34	75.72
13P1500C_2	13P	G002YR24HR	12.38	3.56	0.916	12.39	75.64	12.38	74.48
13P1500C_2	13P	G010YR24HR	12.38	6.34	0.916	12.39	75.93	12.45	75.12
13P1500C_2	13P	G025YR24HR	12.39	8.50	0.916	12.40	76.14	12.44	75.35
13P1500C_2	13P	G100YR24HR	12.41	12.58	0.916	12.43	76.50	13.34	75.72

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P1650	13P	G002YR24HR	12.35	7.14	4.611	12.36	75.91	12.39	75.64
13P1650	13P	G010YR24HR	12.34	12.73	4.611	12.36	76.27	12.39	75.93
13P1650	13P	G025YR24HR	12.35	17.07	4.611	12.37	76.51	12.40	76.14
13P1650	13P	G100YR24HR	12.38	25.24	4.611	12.40	76.91	12.43	76.50
13P1700	13P	G002YR24HR	12.70	4.71	0.906	12.68	76.32	12.36	75.91
13P1700	13P	G010YR24HR	12.65	8.35	0.906	12.55	76.63	12.36	76.27
13P1700	13P	G025YR24HR	12.69	11.81	1.007	12.57	76.88	12.37	76.51
13P1700	13P	G100YR24HR	13.30	22.94	1.007	13.29	77.46	12.40	76.91
13P1750W	13P	G002YR24HR	12.64	4.71	0.000	12.64	76.95	12.68	76.32
13P1750W	13P	G010YR24HR	12.59	8.29	0.001	12.58	77.17	12.55	76.63
13P1750W	13P	G025YR24HR	12.64	11.72	0.001	12.61	77.40	12.57	76.88
13P1750W	13P	G100YR24HR	13.26	22.96	0.002	13.27	78.01	13.29	77.46
13P1810S	13P	G002YR24HR	12.08	1.45	-57.287	25.50	81.14	0.00	82.50
13P1810S	13P	G010YR24HR	12.08	2.22	-57.287	24.38	82.97	24.38	82.97
13P1810S	13P	G025YR24HR	12.08	2.67	-57.287	24.25	83.87	24.25	83.87
13P1810S	13P	G100YR24HR	15.27	3.58	-57.287	15.31	84.53	15.32	84.50
13P1810W	13P	G002YR24HR	0.00	0.00	0.000	25.50	81.14	0.00	81.40
13P1810W	13P	G010YR24HR	0.00	0.00	0.000	24.38	82.97	0.00	81.40
13P1810W	13P	G025YR24HR	0.00	0.00	0.000	24.25	83.87	0.00	81.40
13P1810W	13P	G100YR24HR	0.00	0.00	0.000	15.31	84.53	15.73	81.41
13P1811W_1	13P	G002YR24HR	0.00	0.00	0.000	0.00	82.50	0.00	81.70
13P1811W_1	13P	G010YR24HR	0.00	0.00	0.000	24.38	82.97	24.75	81.97
13P1811W_1	13P	G025YR24HR	0.00	0.00	0.000	24.25	83.87	24.45	82.08
13P1811W_1	13P	G100YR24HR	15.32	2.94	0.000	15.32	84.50	15.44	82.68
13P1811W_2	13P	G002YR24HR	0.00	0.00	0.000	0.00	82.50	0.00	81.70
13P1811W_2	13P	G010YR24HR	24.38	0.25	0.000	24.38	82.97	24.75	81.97
13P1811W_2	13P	G025YR24HR	24.25	0.52	0.000	24.25	83.87	24.45	82.08
13P1811W_2	13P	G100YR24HR	15.04	0.64	0.000	15.32	84.50	15.44	82.68
13P1812S	13P	G002YR24HR	0.00	0.00	0.000	0.00	81.70	0.00	81.40
13P1812S	13P	G010YR24HR	24.75	0.25	-0.000	24.75	81.97	24.75	81.57
13P1812S	13P	G025YR24HR	24.45	0.52	0.000	24.45	82.08	24.45	81.65
13P1812S	13P	G100YR24HR	15.44	3.58	0.001	15.44	82.68	15.31	82.06
13P1813C	13P	G002YR24HR	0.00	3.21	3.205	0.00	81.40	0.00	78.76
13P1813C	13P	G010YR24HR	0.00	3.21	3.205	0.00	81.40	0.00	78.76
13P1813C	13P	G025YR24HR	0.00	3.21	3.205	0.00	81.40	16.00	78.76
13P1813C	13P	G100YR24HR	15.51	3.57	3.205	15.73	81.41	13.20	78.86
13P1813W	13P	G002YR24HR	0.00	0.00	0.000	0.00	81.40	12.64	76.95
13P1813W	13P	G010YR24HR	0.00	0.00	0.000	0.00	81.40	12.58	77.17
13P1813W	13P	G025YR24HR	0.00	0.00	0.000	0.00	81.40	12.61	77.40
13P1813W	13P	G100YR24HR	0.00	0.00	0.000	15.73	81.41	13.27	78.01
13P1814W	13P	G002YR24HR	0.00	0.00	0.000	16.35	78.55	12.64	76.95
13P1814W	13P	G010YR24HR	17.50	12.01	0.003	17.50	78.71	12.58	77.17
13P1814W	13P	G025YR24HR	16.00	19.46	0.005	16.00	78.76	12.61	77.40
13P1814W	13P	G100YR24HR	13.20	39.51	0.006	13.20	78.86	13.27	78.01
13P1815	13P	G002YR24HR	16.35	34.92	-5.189	16.35	78.55	16.36	76.90
13P1815	13P	G010YR24HR	17.50	43.65	-5.188	17.50	78.71	17.48	77.18
13P1815	13P	G025YR24HR	16.00	47.09	-5.188	16.00	78.76	16.05	77.29
13P1815	13P	G100YR24HR	15.00	54.24	-5.189	13.20	78.86	13.04	78.08
13P1815C	GEE	G002YR24HR	16.35	34.92	0.007	16.36	76.90	0.00	76.33
13P1815C	GEE	G010YR24HR	17.48	43.65	0.009	17.48	77.18	0.00	76.33
13P1815C	GEE	G025YR24HR	15.93	47.08	0.009	16.05	77.29	0.00	76.33
13P1815C	GEE	G100YR24HR	14.96	54.23	-0.017	13.04	78.08	13.00	77.75
13P1820S	13P	G002YR24HR	16.33	34.38	0.008	16.33	81.62	16.33	79.14
13P1820S	13P	G010YR24HR	17.62	54.90	0.008	17.62	82.46	17.62	79.58
13P1820S	13P	G025YR24HR	16.15	65.05	0.008	16.15	82.86	16.15	79.78
13P1820S	13P	G100YR24HR	15.07	88.21	0.009	15.10	83.79	15.07	80.24
13P1821S	13P	G002YR24HR	21.40	1.96	0.001	21.48	82.41	21.40	81.75
13P1821S	13P	G010YR24HR	17.35	2.96	0.011	17.63	82.63	17.62	82.46
13P1821S	13P	G025YR24HR	17.31	3.77	0.043	16.27	82.97	16.15	82.86
13P1821S	13P	G100YR24HR	18.13	4.42	0.472	15.10	83.91	15.10	83.79
13P1823S	13P	G002YR24HR	21.05	1.99	-0.002	21.05	83.31	21.05	82.36
13P1823S	13P	G010YR24HR	17.06	2.96	-0.002	17.06	83.47	17.06	82.50
13P1823S	13P	G025YR24HR	17.04	3.76	-0.002	17.04	83.59	17.04	82.61
13P1823S	13P	G100YR24HR	18.14	4.04	0.003	15.13	84.07	15.10	83.91
13P182PS	13P	G002YR24HR	20.81	1.97	1.970	20.81	83.95	21.05	83.31

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P182PS	13P	G010YR24HR	17.03	2.96	1.970	17.03	85.22	17.06	83.47
13P182PS	13P	G025YR24HR	16.98	3.76	1.970	16.98	86.25	17.04	83.59
13P182PS	13P	G100YR24HR	12.86	3.92	1.970	18.94	87.52	15.13	84.07
13P1890S	13P	G002YR24HR	16.30	34.38	5.478	16.32	84.28	16.30	83.11
13P1890S	13P	G010YR24HR	17.59	51.94	5.478	17.64	85.00	17.59	83.71
13P1890S	13P	G025YR24HR	16.03	61.29	5.478	16.12	85.37	16.03	84.06
13P1890S	13P	G100YR24HR	15.02	84.29	5.478	15.05	86.29	13.09	85.10
13P2000S	13P	G002YR24HR	13.02	21.40	-20.458	16.32	84.28	16.32	84.28
13P2000S	13P	G010YR24HR	12.19	24.09	-20.532	17.63	85.00	17.64	85.00
13P2000S	13P	G025YR24HR	11.99	23.03	-16.946	16.11	85.37	16.12	85.37
13P2000S	13P	G100YR24HR	12.48	26.23	-19.849	15.02	86.29	15.05	86.29
13P2020S	13P	G002YR24HR	12.48	9.42	0.003	12.49	85.44	12.48	84.86
13P2020S	13P	G010YR24HR	12.46	15.42	0.047	12.47	85.94	12.46	85.22
13P2020S	13P	G025YR24HR	12.46	19.51	0.031	12.46	86.25	12.46	85.46
13P2020S	13P	G100YR24HR	12.47	26.43	0.035	12.47	86.79	15.02	86.29
13P2020W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	16.32	84.28
13P2020W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	17.64	85.00
13P2020W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	16.12	85.37
13P2020W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	15.05	86.29
13P2100C	13P	G002YR24HR	12.93	0.38	0.034	12.49	85.44	12.49	85.44
13P2100C	13P	G010YR24HR	12.92	0.57	0.071	12.47	85.94	12.47	85.94
13P2100C	13P	G025YR24HR	12.92	0.70	0.091	12.46	86.25	12.46	86.25
13P2100C	13P	G100YR24HR	13.00	0.90	0.088	12.47	86.79	12.47	86.79
13P2100W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	12.49	85.44
13P2100W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	12.47	85.94
13P2100W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	12.46	86.25
13P2100W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	12.47	86.79
13P2250	13P	G002YR24HR	0.00	0.00	0.000	72.00	85.88	12.49	85.44
13P2250	13P	G010YR24HR	0.00	0.00	0.000	72.00	86.74	12.47	85.94
13P2250	13P	G025YR24HR	0.00	0.00	0.000	72.00	87.31	12.46	86.25
13P2250	13P	G100YR24HR	72.00	0.23	0.000	72.00	88.19	72.00	87.60
13P2300D	13P	G002YR24HR	12.08	4.56	0.001	15.19	89.47	15.16	89.43
13P2300D	13P	G010YR24HR	14.30	3.95	0.001	13.39	90.42	13.09	90.11
13P2300D	13P	G025YR24HR	14.91	5.16	0.094	13.39	91.09	13.01	90.61
13P2300D	13P	G100YR24HR	16.27	6.32	0.155	13.61	92.16	13.06	91.45
13P2300W	13P	G002YR24HR	0.00	0.00	0.000	15.19	89.47	72.00	85.88
13P2300W	13P	G010YR24HR	0.00	0.00	0.000	13.39	90.42	72.00	86.74
13P2300W	13P	G025YR24HR	0.00	0.00	0.000	13.39	91.09	72.00	87.31
13P2300W	13P	G100YR24HR	0.00	0.00	0.000	13.61	92.16	72.00	88.19
13P2350S	13P	G002YR24HR	12.10	2.95	-0.172	15.16	89.43	15.15	89.43
13P2350S	13P	G010YR24HR	14.29	4.02	-0.173	13.09	90.11	13.07	90.09
13P2350S	13P	G025YR24HR	14.86	5.27	-0.174	13.01	90.61	12.99	90.58
13P2350S	13P	G100YR24HR	16.27	6.45	-0.172	13.06	91.45	13.04	91.41
13P2400C	13P	G002YR24HR	13.86	3.75	1.079	72.00	85.88	72.00	85.88
13P2400C	13P	G010YR24HR	13.85	5.33	-1.286	72.00	86.74	72.00	86.74
13P2400C	13P	G025YR24HR	13.85	5.71	-1.448	72.00	87.31	72.00	87.31
13P2400C	13P	G100YR24HR	24.50	7.24	-1.598	72.00	88.19	72.00	88.19
13P2400S	13P	G002YR24HR	15.12	2.66	-44.513	15.15	89.43	15.16	89.41
13P2400S	13P	G010YR24HR	13.06	9.96	-44.513	13.07	90.09	13.09	89.76
13P2400S	13P	G025YR24HR	13.04	13.63	-44.513	12.99	90.58	12.98	89.97
13P2400S	13P	G100YR24HR	12.88	17.04	-44.513	13.04	91.41	13.49	90.50
13P2400W	13P	G002YR24HR	0.00	0.00	0.000	15.15	89.43	72.00	85.88
13P2400W	13P	G010YR24HR	0.00	0.00	0.000	13.07	90.09	72.00	86.74
13P2400W	13P	G025YR24HR	0.00	0.00	0.000	12.99	90.58	72.00	87.31
13P2400W	13P	G100YR24HR	0.00	0.00	0.000	13.04	91.41	72.00	88.19
13P2410W_1	13P	G002YR24HR	15.16	2.13	0.000	15.16	89.41	15.29	88.17
13P2410W_1	13P	G010YR24HR	13.09	9.57	0.002	13.09	89.76	13.18	89.08
13P2410W_1	13P	G025YR24HR	13.03	13.33	-0.006	12.98	89.97	12.95	89.51
13P2410W_1	13P	G100YR24HR	12.93	16.75	0.006	13.49	90.50	13.52	90.33
13P2410W_2	13P	G002YR24HR	13.46	0.56	0.000	15.16	89.41	15.29	88.17
13P2410W_2	13P	G010YR24HR	12.23	0.58	0.000	13.09	89.76	13.18	89.08
13P2410W_2	13P	G025YR24HR	12.03	0.59	-0.000	12.98	89.97	12.95	89.51
13P2410W_2	13P	G100YR24HR	11.72	0.57	-0.000	13.49	90.50	13.52	90.33
13P2420S	13P	G002YR24HR	15.24	2.66	0.001	15.29	88.17	15.24	85.18
13P2420S	13P	G010YR24HR	13.17	9.94	0.003	13.18	89.08	13.17	85.78
13P2420S	13P	G025YR24HR	13.02	13.74	0.006	12.95	89.51	72.00	87.31

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P2420S	13P	G100YR24HR	12.97	16.85	0.006	13.52	90.33	72.00	88.19
13P2610S	13P	G002YR24HR	12.35	36.56	-14.929	72.00	85.88	72.00	85.88
13P2610S	13P	G010YR24HR	12.09	41.58	-14.929	72.00	86.74	72.00	86.74
13P2610S	13P	G025YR24HR	12.01	43.51	-14.929	72.00	87.31	72.00	87.31
13P2610S	13P	G100YR24HR	11.89	42.29	-14.929	24.57	88.27	72.00	88.19
13P2630S	13P	G002YR24HR	12.34	36.68	-0.458	12.37	87.62	72.00	85.88
13P2630S	13P	G010YR24HR	12.09	41.80	-0.458	12.10	88.76	72.00	86.74
13P2630S	13P	G025YR24HR	11.99	43.85	-0.458	12.08	89.65	72.00	87.31
13P2630S	13P	G100YR24HR	11.90	42.56	-0.458	15.59	90.02	24.57	88.27
13P2635W	13P	G002YR24HR	0.00	0.00	0.000	12.37	87.62	72.00	85.88
13P2635W	13P	G010YR24HR	0.00	0.00	0.000	12.10	88.76	72.00	86.74
13P2635W	13P	G025YR24HR	0.00	0.00	0.000	12.08	89.65	72.00	87.31
13P2635W	13P	G100YR24HR	15.59	1.30	0.000	15.59	90.02	72.00	88.19
13P2643S	13P	G002YR24HR	12.10	24.33	-1.492	12.10	89.61	12.37	87.62
13P2643S	13P	G010YR24HR	12.02	26.21	-1.413	12.09	90.83	12.10	88.76
13P2643S	13P	G025YR24HR	11.91	25.94	-1.338	12.08	90.89	12.08	89.65
13P2643S	13P	G100YR24HR	11.79	25.42	-1.284	12.08	90.92	15.59	90.02
13P2643W1	13P	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.37	87.62
13P2643W1	13P	G010YR24HR	12.09	3.13	0.018	12.09	90.83	12.10	88.76
13P2643W1	13P	G025YR24HR	12.08	13.08	0.041	12.08	90.89	12.08	89.65
13P2643W1	13P	G100YR24HR	12.08	22.51	0.039	12.08	90.92	15.59	90.02
13P2643W2	13P	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.79	87.74
13P2643W2	13P	G010YR24HR	0.00	0.00	0.000	12.09	90.83	14.73	88.42
13P2643W2	13P	G025YR24HR	0.00	0.00	0.000	12.08	90.89	16.90	89.05
13P2643W2	13P	G100YR24HR	0.00	0.00	0.000	12.08	90.92	15.62	90.05
13P2644S	13P	G002YR24HR	12.00	15.90	0.709	12.09	92.63	12.10	89.61
13P2644S	13P	G010YR24HR	11.83	15.79	0.666	12.08	92.82	12.09	90.83
13P2644S	13P	G025YR24HR	14.33	15.78	-0.793	13.63	92.92	12.08	90.89
13P2644S	13P	G100YR24HR	11.68	15.37	-0.701	12.53	93.17	12.08	90.92
13P2644W1	13P	G002YR24HR	0.00	0.00	0.000	12.09	92.63	72.00	85.88
13P2644W1	13P	G010YR24HR	0.00	0.00	0.000	12.08	92.82	72.00	86.74
13P2644W1	13P	G025YR24HR	0.00	0.00	0.000	13.63	92.92	72.00	87.31
13P2644W1	13P	G100YR24HR	0.00	0.00	0.000	12.53	93.17	72.00	88.19
13P2644W2	13P	G002YR24HR	0.00	0.00	0.000	12.09	92.63	15.41	86.14
13P2644W2	13P	G010YR24HR	0.00	0.00	0.000	12.08	92.82	17.90	88.05
13P2644W2	13P	G025YR24HR	0.00	0.00	0.000	13.63	92.92	20.17	88.82
13P2644W2	13P	G100YR24HR	0.00	0.00	0.000	12.53	93.17	23.70	90.07
13P2646S	13P	G002YR24HR	12.68	1.64	0.263	12.09	92.61	12.09	92.63
13P2646S	13P	G010YR24HR	14.62	8.48	0.029	12.08	92.80	12.08	92.82
13P2646S	13P	G025YR24HR	19.95	8.41	-0.046	13.66	92.92	13.63	92.92
13P2646S	13P	G100YR24HR	24.91	7.24	0.278	12.55	93.16	12.53	93.17
13P2646W	13P	G002YR24HR	0.00	0.00	-0.077	12.09	92.61	12.09	92.63
13P2646W	13P	G010YR24HR	12.91	4.53	-0.092	12.08	92.80	12.08	92.82
13P2646W	13P	G025YR24HR	17.98	13.17	-0.114	13.66	92.92	13.63	92.92
13P2646W	13P	G100YR24HR	20.70	10.84	-0.236	12.55	93.16	12.53	93.17
13P2647W	13P	G002YR24HR	0.00	0.00	-0.111	25.50	92.42	12.09	92.61
13P2647W	13P	G010YR24HR	13.69	9.14	-0.135	13.69	92.62	12.08	92.80
13P2647W	13P	G025YR24HR	18.00	13.84	-0.169	13.73	92.94	13.66	92.92
13P2647W	13P	G100YR24HR	23.84	11.49	-0.212	12.59	93.14	12.55	93.16
13P2647W2	13P	G002YR24HR	0.00	0.00	0.000	25.50	92.42	12.79	87.74
13P2647W2	13P	G010YR24HR	0.00	0.00	0.000	13.69	92.62	14.73	88.42
13P2647W2	13P	G025YR24HR	0.00	0.00	0.000	13.73	92.94	16.90	89.05
13P2647W2	13P	G100YR24HR	12.59	82.85	0.034	12.59	93.14	15.62	90.05
13P2650S	13P	G002YR24HR	13.42	17.71	-0.833	12.79	87.74	12.37	87.62
13P2650S	13P	G010YR24HR	18.00	14.36	-0.955	14.73	88.42	12.10	88.76
13P2650S	13P	G025YR24HR	25.00	14.89	-0.427	16.90	89.05	12.08	89.65
13P2650S	13P	G100YR24HR	28.18	15.68	0.075	15.62	90.05	15.59	90.02
13P2660W	13P	G002YR24HR	0.00	0.00	0.000	12.79	87.74	12.37	87.62
13P2660W	13P	G010YR24HR	0.00	0.00	0.000	14.73	88.42	12.10	88.76
13P2660W	13P	G025YR24HR	0.00	0.00	-0.020	16.90	89.05	12.08	89.65
13P2660W	13P	G100YR24HR	24.93	17.09	-0.026	15.62	90.05	15.59	90.02
13P270PS	13P	G002YR24HR	12.89	21.04	21.040	15.41	86.14	72.00	85.88
13P270PS	13P	G010YR24HR	12.21	21.04	21.040	17.90	88.05	72.00	86.74
13P270PS	13P	G025YR24HR	11.99	21.04	21.040	20.17	88.82	72.00	87.31
13P270PS	13P	G100YR24HR	11.36	21.04	21.040	23.70	90.07	72.00	88.19

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P31200S	GEE	G002YR24HR	12.05	12.77	-0.006	12.07	91.64	12.07	91.39
13P31200S	GEE	G010YR24HR	12.05	17.19	-0.006	12.06	92.83	12.06	92.17
13P31200S	GEE	G025YR24HR	12.06	20.89	-0.006	12.07	93.85	12.07	92.88
13P31200S	GEE	G100YR24HR	12.08	27.49	-0.006	12.09	96.12	12.09	94.43
13P3150S	GEE	G002YR24HR	12.07	12.76	0.012	12.07	91.39	12.05	89.78
13P3150S	GEE	G010YR24HR	12.06	17.18	-0.014	12.06	92.17	12.04	89.98
13P3150S	GEE	G025YR24HR	12.07	20.89	0.015	12.07	92.88	12.07	90.13
13P3150S	GEE	G100YR24HR	12.09	27.47	0.016	12.09	94.43	12.08	90.31
13P3250S	GEE	G002YR24HR	12.02	12.82	-0.092	12.06	91.72	12.07	91.64
13P3250S	GEE	G010YR24HR	12.04	17.22	-0.092	12.06	93.08	12.06	92.83
13P3250S	GEE	G025YR24HR	12.05	20.93	-0.092	12.07	94.22	12.07	93.85
13P3250S	GEE	G100YR24HR	12.06	27.55	-0.092	12.08	96.75	12.09	96.12
13P3300S	GEE	G002YR24HR	12.00	12.94	-1.685	12.06	91.79	12.06	91.72
13P3300S	GEE	G010YR24HR	12.00	17.31	-1.524	12.06	93.20	12.06	93.08
13P3300S	GEE	G025YR24HR	12.02	21.04	-1.367	12.07	94.41	12.07	94.22
13P3300S	GEE	G100YR24HR	12.00	27.74	-1.365	12.08	97.08	12.08	96.75
13P3350S	GEE	G002YR24HR	12.00	13.10	-3.320	12.06	91.83	12.06	91.79
13P3350S	GEE	G010YR24HR	12.00	17.58	-3.239	12.05	93.28	12.06	93.20
13P3350S	GEE	G025YR24HR	12.00	21.44	1.949	12.06	94.52	12.07	94.41
13P3350S	GEE	G100YR24HR	12.00	28.46	1.978	12.08	97.27	12.08	97.08
13P3400D	13P	G002YR24HR	12.01	5.56	-0.349	12.06	91.85	12.07	91.72
13P3400D	13P	G010YR24HR	12.00	10.24	-0.349	12.05	93.32	12.06	92.94
13P3400D	13P	G025YR24HR	12.00	13.02	-0.349	12.06	94.58	12.08	93.98
13P3400D	13P	G100YR24HR	12.00	17.81	-0.349	12.08	97.37	12.09	96.27
13P3400S	GEE	G002YR24HR	12.00	13.26	9.493	12.06	91.85	12.06	91.83
13P3400S	GEE	G010YR24HR	12.00	17.86	-8.086	12.05	93.32	12.05	93.28
13P3400S	GEE	G025YR24HR	12.00	21.86	6.467	12.06	94.58	12.06	94.52
13P3400S	GEE	G100YR24HR	12.00	29.22	6.465	12.08	97.37	12.08	97.27
13P3400W1	13P	G002YR24HR	12.00	23.19	0.810	12.06	91.85	12.07	91.72
13P3400W1	13P	G010YR24HR	12.00	38.41	0.749	12.05	93.32	12.06	92.94
13P3400W1	13P	G025YR24HR	12.00	48.81	0.381	12.06	94.58	12.08	93.98
13P3400W1	13P	G100YR24HR	12.00	66.78	0.353	12.08	97.37	12.09	96.27
13P3450S	GEE	G002YR24HR	12.07	27.72	0.008	12.07	91.72	72.00	85.88
13P3450S	GEE	G010YR24HR	12.06	47.03	0.011	12.06	92.94	72.00	86.74
13P3450S	GEE	G025YR24HR	12.08	59.25	0.011	12.08	93.98	72.00	87.31
13P3450S	GEE	G100YR24HR	12.09	79.91	0.015	12.09	96.27	72.00	88.19
13P3500S	GEE	G002YR24HR	12.08	27.69	-8.506	72.00	85.88	72.00	85.88
13P3500S	GEE	G010YR24HR	12.07	47.01	-8.506	72.00	86.74	72.00	86.74
13P3500S	GEE	G025YR24HR	12.08	59.23	-8.506	72.00	87.31	72.00	87.31
13P3500S	GEE	G100YR24HR	12.09	79.88	-8.506	72.00	88.19	72.00	88.19
13Q0450W	13Q	G002YR24HR	0.00	0.00	0.000	25.50	84.52	16.32	84.28
13Q0450W	13Q	G010YR24HR	0.00	0.00	0.000	25.50	84.91	17.64	85.00
13Q0450W	13Q	G025YR24HR	0.00	0.00	0.000	25.50	86.47	16.12	85.37
13Q0450W	13Q	G100YR24HR	13.66	25.94	0.007	13.66	88.89	15.05	86.29
13Q0810D	13Q	G002YR24HR	12.92	38.21	0.006	12.94	88.19	14.05	87.39
13Q0810D	13Q	G010YR24HR	12.65	63.54	0.010	13.14	89.55	14.17	88.60
13Q0810D	13Q	G025YR24HR	12.46	68.04	0.008	12.75	89.97	14.29	89.17
13Q0810D	13Q	G100YR24HR	12.25	67.09	-0.007	12.50	90.22	14.07	89.70
13Q0820D	13Q	G002YR24HR	12.91	14.82	0.006	12.94	88.19	14.05	87.39
13Q0820D	13Q	G010YR24HR	12.63	21.03	0.007	13.14	89.55	14.17	88.60
13Q0820D	13Q	G025YR24HR	12.43	22.28	0.006	12.75	89.97	14.29	89.17
13Q0820D	13Q	G100YR24HR	12.24	21.85	0.006	12.50	90.22	14.07	89.70
13Q0820W	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	25.50	84.52
13Q0820W	13Q	G010YR24HR	0.00	0.00	0.000	13.14	89.55	25.50	84.91
13Q0820W	13Q	G025YR24HR	12.75	52.10	0.023	12.75	89.97	25.50	86.47
13Q0820W	13Q	G100YR24HR	12.50	168.02	0.069	12.50	90.22	13.66	88.89
13Q0821S	13Q	G002YR24HR	14.04	11.13	0.013	14.05	87.39	14.07	85.68
13Q0821S	13Q	G010YR24HR	14.25	13.79	0.020	14.17	88.60	13.87	85.99
13Q0821S	13Q	G025YR24HR	14.21	14.86	-0.006	14.29	89.17	14.56	86.14
13Q0821S	13Q	G100YR24HR	12.61	14.06	-0.009	14.07	89.70	13.66	88.88
13Q0821W	13Q	G002YR24HR	13.55	31.41	-0.006	14.05	87.39	14.07	87.35
13Q0821W	13Q	G010YR24HR	12.57	39.51	-0.088	14.17	88.60	14.17	88.58
13Q0821W	13Q	G025YR24HR	12.31	43.02	0.104	14.29	89.17	14.30	89.16
13Q0821W	13Q	G100YR24HR	11.90	41.42	0.126	14.07	89.70	14.08	89.69
13Q0822S	13Q	G002YR24HR	14.07	11.13	-0.006	14.07	85.68	14.07	84.46
13Q0822S	13Q	G010YR24HR	14.27	13.80	0.007	13.87	85.99	17.64	85.00

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0822S	13Q	G025YR24HR	14.24	14.85	-0.006	14.56	86.14	16.12	85.37
13Q0822S	13Q	G100YR24HR	13.44	29.90	0.018	13.66	88.88	15.05	86.29
13Q0822W1	13Q	G002YR24HR	0.00	0.00	0.000	14.07	85.68	25.50	84.52
13Q0822W1	13Q	G010YR24HR	0.00	0.00	0.000	13.87	85.99	25.50	84.91
13Q0822W1	13Q	G025YR24HR	0.00	0.00	0.000	14.56	86.14	25.50	86.47
13Q0822W1	13Q	G100YR24HR	0.00	0.00	0.241	13.66	88.88	13.66	88.89
13Q0822W2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	85.68	14.49	85.83
13Q0822W2	13Q	G010YR24HR	0.00	0.00	0.000	13.87	85.99	14.41	86.23
13Q0822W2	13Q	G025YR24HR	0.00	0.00	0.000	14.56	86.14	14.80	86.70
13Q0822W2	13Q	G100YR24HR	0.00	0.00	0.000	13.66	88.88	14.71	87.60
13Q0830W_1	13Q	G002YR24HR	14.89	7.44	-0.268	14.07	87.39	14.05	87.39
13Q0830W_1	13Q	G010YR24HR	19.47	13.87	1.892	14.17	88.60	14.17	88.60
13Q0830W_1	13Q	G025YR24HR	22.21	13.71	-2.295	14.30	89.17	14.29	89.17
13Q0830W_1	13Q	G100YR24HR	26.55	16.63	-2.766	14.08	89.70	14.07	89.70
13Q0830W_2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	87.39	14.07	87.35
13Q0830W_2	13Q	G010YR24HR	14.23	13.44	-0.003	14.17	88.60	14.17	88.58
13Q0830W_2	13Q	G025YR24HR	14.43	19.89	-0.009	14.30	89.17	14.30	89.16
13Q0830W_2	13Q	G100YR24HR	14.07	21.28	-0.016	14.08	89.70	14.08	89.69
13Q0850D	13Q	G002YR24HR	12.97	2.46	0.000	12.97	87.92	14.03	87.53
13Q0850D	13Q	G010YR24HR	12.33	4.96	-0.003	12.82	88.04	13.21	88.04
13Q0850D	13Q	G025YR24HR	12.12	5.31	-0.005	12.79	88.15	12.80	88.15
13Q0850D	13Q	G100YR24HR	11.87	4.75	-0.005	22.67	88.34	22.62	88.34
13Q0860W	13Q	G002YR24HR	12.97	0.00	0.000	12.97	87.92	14.03	87.53
13Q0860W	13Q	G010YR24HR	12.54	4.68	-0.015	12.82	88.04	13.21	88.04
13Q0860W	13Q	G025YR24HR	12.24	7.06	-0.031	12.79	88.15	12.80	88.15
13Q0860W	13Q	G100YR24HR	11.97	5.64	-0.056	22.67	88.34	22.62	88.34
13Q0861S	13Q	G002YR24HR	13.10	2.44	0.125	14.03	87.53	14.09	87.37
13Q0861S	13Q	G010YR24HR	12.36	5.46	0.144	13.21	88.04	15.42	88.37
13Q0861S	13Q	G025YR24HR	12.17	5.78	0.148	12.80	88.15	15.94	88.84
13Q0861S	13Q	G100YR24HR	27.37	4.96	-0.152	22.62	88.34	16.81	89.40
13Q0865S	13Q	G002YR24HR	15.29	3.73	0.745	14.09	87.37	14.09	87.35
13Q0865S	13Q	G010YR24HR	20.13	4.51	0.901	15.42	88.37	14.47	88.44
13Q0865S	13Q	G025YR24HR	20.08	6.36	0.889	15.94	88.84	14.64	88.96
13Q0865S	13Q	G100YR24HR	25.43	7.59	0.931	16.81	89.40	14.24	89.53
13Q0870D	13Q	G002YR24HR	15.98	5.50	-0.003	14.91	87.38	14.09	87.35
13Q0870D	13Q	G010YR24HR	20.54	9.89	-0.529	15.45	88.38	14.47	88.44
13Q0870D	13Q	G025YR24HR	23.34	10.08	0.455	15.97	88.85	14.64	88.96
13Q0870D	13Q	G100YR24HR	27.59	9.53	0.504	16.84	89.40	14.24	89.53
13Q0870W	13Q	G002YR24HR	0.00	0.00	0.000	14.91	87.38	14.09	87.37
13Q0870W	13Q	G010YR24HR	16.89	6.41	0.031	15.45	88.38	15.42	88.37
13Q0870W	13Q	G025YR24HR	19.13	9.18	-0.154	15.97	88.85	15.94	88.84
13Q0870W	13Q	G100YR24HR	21.43	9.86	0.362	16.84	89.40	16.81	89.40
13Q0875S	13Q	G002YR24HR	15.40	8.32	-0.145	14.09	87.35	14.07	87.35
13Q0875S	13Q	G010YR24HR	20.14	12.93	1.184	14.47	88.44	14.17	88.58
13Q0875S	13Q	G025YR24HR	22.93	13.01	1.210	14.64	88.96	14.30	89.16
13Q0875S	13Q	G100YR24HR	27.28	15.35	1.438	14.24	89.53	14.08	89.69
13Q0875W	13Q	G002YR24HR	0.00	0.00	0.000	14.09	87.35	14.07	87.35
13Q0875W	13Q	G010YR24HR	0.00	0.00	0.000	14.47	88.44	14.17	88.58
13Q0875W	13Q	G025YR24HR	0.00	0.00	0.000	14.64	88.96	14.30	89.16
13Q0875W	13Q	G100YR24HR	0.00	0.00	-0.001	14.24	89.53	14.08	89.69
13Q0880S	13Q	G002YR24HR	13.43	29.15	0.006	14.07	87.35	14.48	86.15
13Q0880S	13Q	G010YR24HR	14.03	32.58	1.436	14.17	88.58	14.33	86.65
13Q0880S	13Q	G025YR24HR	13.59	33.68	1.721	14.30	89.16	14.67	87.14
13Q0880S	13Q	G100YR24HR	11.89	32.44	1.921	14.08	89.69	14.61	87.96
13Q0885S	13Q	G002YR24HR	13.65	28.36	0.006	14.48	86.15	14.49	85.83
13Q0885S	13Q	G010YR24HR	14.10	32.54	0.488	14.33	86.65	14.41	86.23
13Q0885S	13Q	G025YR24HR	13.86	33.48	0.689	14.67	87.14	14.80	86.70
13Q0885S	13Q	G100YR24HR	13.43	31.32	0.751	14.61	87.96	14.71	87.60
13Q0890S	13Q	G002YR24HR	14.48	28.25	0.003	14.49	85.83	14.52	85.06
13Q0890S	13Q	G010YR24HR	14.16	32.51	0.005	14.41	86.23	16.29	85.30
13Q0890S	13Q	G025YR24HR	14.00	33.34	0.006	14.80	86.70	15.68	85.58
13Q0890S	13Q	G100YR24HR	13.50	31.06	-0.011	14.71	87.60	14.99	86.44
13Q0895S	13Q	G002YR24HR	14.50	28.25	-98.595	14.52	85.06	14.52	85.01
13Q0895S	13Q	G010YR24HR	14.18	32.47	-98.595	16.29	85.30	16.51	85.25
13Q0895S	13Q	G025YR24HR	14.04	33.28	-98.595	15.68	85.58	15.82	85.52
13Q0895S	13Q	G100YR24HR	12.76	31.86	-98.595	14.99	86.44	15.01	86.38

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0895W	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.06	14.52	85.01
13Q0895W	13Q	G010YR24HR	0.00	0.00	0.000	16.29	85.30	16.51	85.25
13Q0895W	13Q	G025YR24HR	0.00	0.00	0.000	15.68	85.58	15.82	85.52
13Q0895W	13Q	G100YR24HR	0.00	0.00	0.000	14.99	86.44	15.01	86.38
13Q0896W_1	13Q	G002YR24HR	14.52	27.05	0.004	14.52	85.01	16.32	84.28
13Q0896W_1	13Q	G010YR24HR	14.23	31.66	0.007	16.51	85.25	17.64	85.00
13Q0896W_1	13Q	G025YR24HR	14.11	32.68	0.005	15.82	85.52	16.12	85.37
13Q0896W_1	13Q	G100YR24HR	12.76	36.84	-12.326	15.01	86.38	15.05	86.29
13Q0896W_2	13Q	G002YR24HR	13.55	1.30	-0.411	14.52	85.01	16.32	84.28
13Q0896W_2	13Q	G010YR24HR	33.81	1.25	-0.411	16.51	85.25	17.64	85.00
13Q0896W_2	13Q	G025YR24HR	35.94	1.25	-0.411	15.82	85.52	16.12	85.37
13Q0896W_2	13Q	G100YR24HR	39.88	1.28	-0.411	15.01	86.38	15.05	86.29
13Q0896W_3	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.01	16.32	84.28
13Q0896W_3	13Q	G010YR24HR	0.00	0.00	0.000	16.51	85.25	17.64	85.00
13Q0896W_3	13Q	G025YR24HR	0.00	0.00	0.000	15.82	85.52	16.12	85.37
13Q0896W_3	13Q	G100YR24HR	0.00	0.00	0.000	15.01	86.38	15.05	86.29
13Q0924S	13Q	G002YR24HR	12.88	21.57	0.144	13.14	88.70	13.25	88.46
13Q0924S	13Q	G010YR24HR	12.23	18.54	0.142	13.13	89.61	13.13	89.59
13Q0924S	13Q	G025YR24HR	12.04	18.08	0.142	12.76	90.04	12.76	90.01
13Q0924S	13Q	G100YR24HR	11.81	18.86	-0.143	12.51	90.34	12.51	90.30
13Q0940S	13Q	G002YR24HR	13.37	25.12	0.179	13.25	88.46	12.94	88.19
13Q0940S	13Q	G010YR24HR	15.46	21.24	0.157	13.13	89.59	13.14	89.55
13Q0940S	13Q	G025YR24HR	12.16	16.36	0.157	12.76	90.01	12.75	89.97
13Q0940S	13Q	G100YR24HR	11.96	18.48	0.157	12.51	90.30	12.50	90.22
13Q2290S	13Q	G002YR24HR	12.77	1.86	-0.001	24.84	80.83	24.84	80.83
13Q2290S	13Q	G010YR24HR	17.14	6.33	0.001	17.84	83.28	17.87	83.11
13Q2290S	13Q	G025YR24HR	18.94	7.38	0.001	20.44	85.48	20.48	85.24
13Q2290S	13Q	G100YR24HR	12.82	9.40	0.002	22.70	88.33	22.74	88.01
13Q2291D	13Q	G002YR24HR	24.84	0.35	0.000	24.84	80.83	25.06	77.01
13Q2291D	13Q	G010YR24HR	17.83	6.30	0.000	17.87	83.11	17.94	78.23
13Q2291D	13Q	G025YR24HR	20.44	7.36	0.001	20.48	85.24	20.78	78.44
13Q2291D	13Q	G100YR24HR	22.71	8.60	0.003	22.74	88.01	22.79	78.81
13Q2291W	13Q	G002YR24HR	0.00	0.00	-0.000	24.84	80.83	12.97	87.92
13Q2291W	13Q	G010YR24HR	0.00	0.00	-0.001	17.84	83.28	12.82	88.04
13Q2291W	13Q	G025YR24HR	0.00	0.00	-0.002	20.44	85.48	12.79	88.15
13Q2291W	13Q	G100YR24HR	0.00	0.00	-0.005	22.70	88.33	22.67	88.34
13Q2292S	13Q	G002YR24HR	24.76	0.35	0.000	25.06	77.01	24.76	76.13
13Q2292S	13Q	G010YR24HR	17.85	6.30	0.001	17.94	78.23	17.85	77.08
13Q2292S	13Q	G025YR24HR	20.55	7.36	-0.002	20.78	78.44	15.89	77.40
13Q2292S	13Q	G100YR24HR	23.15	8.60	0.003	22.79	78.81	13.20	77.40
13Q2293S	13Q	G002YR24HR	24.53	0.36	0.004	16.52	76.06	16.45	76.05
13Q2293S	13Q	G010YR24HR	18.04	6.30	0.023	17.79	76.84	17.65	76.43
13Q2293S	13Q	G025YR24HR	20.54	7.36	0.026	20.18	77.02	19.81	76.52
13Q2293S	13Q	G100YR24HR	24.58	8.61	0.033	20.06	77.30	12.20	76.79
13Q2294W_1	13Q	G002YR24HR	24.51	0.38	0.004	16.45	76.05	16.42	76.05
13Q2294W_1	13Q	G010YR24HR	18.01	6.31	0.008	17.65	76.43	17.63	76.36
13Q2294W_1	13Q	G025YR24HR	20.48	7.37	0.007	19.81	76.52	12.41	76.50
13Q2294W_1	13Q	G100YR24HR	24.54	8.63	0.003	12.20	76.79	12.19	76.78
13Q2295S	13Q	G002YR24HR	24.50	0.39	-1.692	16.42	76.05	16.41	76.05
13Q2295S	13Q	G010YR24HR	17.98	6.31	-2.805	17.63	76.36	12.51	76.32
13Q2295S	13Q	G025YR24HR	20.44	7.37	-2.989	12.41	76.50	12.34	76.51
13Q2295S	13Q	G100YR24HR	24.53	8.65	-2.782	12.19	76.78	12.18	76.78
13Q2295W	13Q	G002YR24HR	16.41	1.44	0.000	16.41	76.05	24.34	58.01
13Q2295W	13Q	G010YR24HR	12.49	17.09	0.007	12.49	76.33	21.23	59.14
13Q2295W	13Q	G025YR24HR	12.29	33.49	0.016	12.29	76.52	19.90	59.86
13Q2295W	13Q	G100YR24HR	12.18	60.63	0.015	12.18	76.78	20.96	61.23
13Q2296S	13Q	G002YR24HR	24.50	0.41	-1.107	16.41	76.05	16.41	76.05
13Q2296S	13Q	G010YR24HR	17.94	6.31	-2.072	12.51	76.32	12.49	76.33
13Q2296S	13Q	G025YR24HR	20.40	7.37	-2.586	12.34	76.51	12.29	76.52
13Q2296S	13Q	G100YR24HR	24.51	8.67	-2.554	12.18	76.78	12.18	76.78
A_ALTON	13A	G002YR24HR	0.00	0.00	0.000	14.94	17.01	15.04	15.92
A_ALTON	13A	G010YR24HR	15.03	67.11	0.008	15.03	20.09	15.30	17.34
A_ALTON	13A	G025YR24HR	15.10	249.50	0.013	15.10	20.77	15.43	18.06
A_ALTON	13A	G100YR24HR	15.44	517.09	0.055	15.44	21.51	15.96	19.03
A_COSTA	13A	G002YR24HR	0.00	0.00	0.000	14.32	31.19	14.35	30.62

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
A_COSTA	13A	G010YR24HR	14.28	27.54	0.004	14.28	32.68	13.62	31.85
A_COSTA	13A	G025YR24HR	14.14	229.15	0.018	14.14	33.38	14.19	32.59
A_COSTA	13A	G100YR24HR	13.95	666.16	0.065	13.95	34.09	14.08	33.64
A_EDGEM1	13A	G002YR24HR	0.00	0.00	0.000	12.64	39.08	12.64	38.98
A_EDGEM1	13A	G010YR24HR	12.76	8.70	0.003	12.76	40.32	12.74	40.10
A_EDGEM1	13A	G025YR24HR	12.83	73.99	0.018	12.83	40.85	12.79	40.62
A_EDGEM1	13A	G100YR24HR	13.09	177.64	0.042	12.98	41.50	12.88	41.27
A_EDGEM2	13A	G002YR24HR	15.40	3.17	0.000	15.40	50.51	13.10	42.83
A_EDGEM2	13A	G010YR24HR	12.64	24.82	0.007	12.64	50.88	13.08	44.80
A_EDGEM2	13A	G025YR24HR	12.45	44.93	0.012	12.45	51.12	13.27	46.43
A_EDGEM2	13A	G100YR24HR	12.34	80.08	0.014	12.34	51.47	13.65	48.43
A_FOOTBR	13A	G002YR24HR	0.00	0.00	0.000	14.42	29.73	14.43	29.50
A_FOOTBR	13A	G010YR24HR	0.00	0.00	0.000	13.62	31.39	14.35	31.11
A_FOOTBR	13A	G025YR24HR	14.20	27.10	0.004	14.20	32.08	14.21	31.81
A_FOOTBR	13A	G100YR24HR	14.15	395.39	0.036	14.17	33.18	14.24	32.96
A_HAYES	13A	G002YR24HR	0.00	0.00	0.000	14.58	26.07	14.60	25.32
A_HAYES	13A	G010YR24HR	14.59	154.87	0.026	14.59	27.55	14.69	26.64
A_HAYES	13A	G025YR24HR	14.66	480.74	0.043	14.66	28.08	14.81	27.64
A_HAYES	13A	G100YR24HR	14.10	1024.11	0.108	15.14	30.63	15.14	30.61
A_LAURA	13A	G002YR24HR	0.00	0.00	0.000	34.33	50.04	34.46	49.35
A_LAURA	13A	G010YR24HR	0.00	0.00	0.000	32.04	51.46	32.17	50.75
A_LAURA	13A	G025YR24HR	0.00	0.00	0.000	30.70	52.49	30.86	51.73
A_LAURA	13A	G100YR24HR	26.59	169.79	-0.004	26.59	53.41	26.59	52.95
A_MOSS	13A	G002YR24HR	12.61	143.40	0.036	12.91	37.68	12.92	37.65
A_MOSS	13A	G010YR24HR	12.60	283.30	0.051	13.06	38.53	13.07	38.49
A_MOSS	13A	G025YR24HR	12.43	378.09	0.048	13.10	39.03	13.12	38.98
A_MOSS	13A	G100YR24HR	12.33	508.21	0.087	13.19	39.73	13.20	39.67
A_MURPHY	13A	G002YR24HR	0.00	0.00	0.000	12.67	39.99	12.67	39.90
A_MURPHY	13A	G010YR24HR	0.00	0.00	0.000	12.82	41.04	12.81	40.95
A_MURPHY	13A	G025YR24HR	0.00	0.00	0.000	12.93	41.56	12.92	41.47
A_MURPHY	13A	G100YR24HR	0.00	0.00	0.000	13.17	42.52	13.13	42.11
A_TRADEW	13A	G002YR24HR	0.00	0.00	0.000	15.40	50.51	18.66	45.43
A_TRADEW	13A	G010YR24HR	12.64	15.81	0.005	12.64	50.88	20.41	47.13
A_TRADEW	13A	G025YR24HR	12.45	33.69	0.010	12.45	51.12	22.28	47.85
A_TRADEW	13A	G100YR24HR	12.34	66.24	0.013	12.34	51.47	24.43	48.97
C_ALTON	13C	G002YR24HR	0.00	0.00	0.000	15.11	17.31	15.22	16.96
C_ALTON	13C	G010YR24HR	15.15	9.17	0.001	15.15	19.56	15.39	17.78
C_ALTON	13C	G025YR24HR	14.65	107.44	0.012	14.65	19.95	15.40	18.34
C_ALTON	13C	G100YR24HR	14.32	306.40	0.055	14.32	20.30	17.69	19.36
C_HAYES	13C	G002YR24HR	0.00	0.00	0.000	13.16	31.96	13.48	31.28
C_HAYES	13C	G010YR24HR	0.00	0.00	0.000	13.24	32.79	13.62	31.52
C_HAYES	13C	G025YR24HR	0.00	0.00	0.000	13.37	33.32	13.58	31.66
C_HAYES	13C	G100YR24HR	13.35	8.30	0.002	13.35	34.14	13.47	31.90
C_JEEP	13C	G002YR24HR	15.70	104.81	0.009	15.65	15.73	15.54	15.36
C_JEEP	13C	G010YR24HR	16.47	218.11	0.011	15.85	16.99	15.68	16.65
C_JEEP	13C	G025YR24HR	17.71	284.65	0.012	15.86	17.78	15.76	17.44
C_JEEP	13C	G100YR24HR	22.22	552.44	0.013	18.08	19.03	16.22	18.55
C_SHORE	13C	G002YR24HR	0.00	0.00	0.000	13.55	28.88	13.58	28.08
C_SHORE	13C	G010YR24HR	13.62	37.05	0.006	13.62	30.13	13.62	28.72
C_SHORE	13C	G025YR24HR	13.23	113.21	0.019	13.23	30.35	13.21	29.15
C_SHORE	13C	G100YR24HR	12.99	229.54	0.040	12.99	30.58	12.92	29.60
D_FLAMIN	13D	G002YR24HR	0.00	0.00	0.000	12.40	40.26	12.35	39.00
D_FLAMIN	13D	G010YR24HR	12.25	63.71	0.064	12.25	41.54	12.25	39.56
D_FLAMIN	13D	G025YR24HR	12.22	127.75	0.104	12.22	41.70	12.23	39.89
D_FLAMIN	13D	G100YR24HR	12.21	236.90	0.114	12.21	41.90	12.21	40.28
D_MOSS1	13D	G002YR24HR	0.00	0.00	0.000	12.31	37.15	12.36	33.44
D_MOSS1	13D	G010YR24HR	0.00	0.00	0.000	12.23	37.45	12.27	34.73
D_MOSS1	13D	G025YR24HR	0.00	0.00	0.000	12.20	37.62	12.26	35.38
D_MOSS1	13D	G100YR24HR	0.00	0.00	0.000	12.22	38.07	12.25	36.24
D_MOSS2	13D	G002YR24HR	12.34	81.09	0.100	12.34	38.82	12.36	33.44
D_MOSS2	13D	G010YR24HR	12.25	229.89	0.121	12.25	39.26	12.27	34.73
D_MOSS2	13D	G025YR24HR	12.24	330.09	0.116	12.24	39.50	12.26	35.38
D_MOSS2	13D	G100YR24HR	12.22	510.42	0.132	12.22	39.88	12.25	36.24
D_MOSS3	13D	G002YR24HR	12.37	99.16	0.126	12.35	38.92	12.34	38.82
D_MOSS3	13D	G010YR24HR	12.26	207.80	0.140	12.25	39.38	12.25	39.26
D_MOSS3	13D	G025YR24HR	12.23	280.07	0.134	12.23	39.64	12.24	39.50

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
D_MOSS3	13D	G100YR24HR	12.22	407.11	-0.167	12.22	40.05	12.22	39.88
F_EDGEMO	13F	G002YR24HR	0.00	0.00	0.000	12.92	50.76	13.10	42.83
F_EDGEMO	13F	G010YR24HR	0.00	0.00	0.000	12.78	50.99	13.08	44.80
F_EDGEMO	13F	G025YR24HR	12.67	0.57	0.000	12.67	51.09	13.27	46.43
F_EDGEMO	13F	G100YR24HR	12.50	4.64	0.001	12.50	51.21	13.65	48.43
F_LAKE1	13F	G002YR24HR	0.00	0.00	0.000	29.00	62.88	12.98	55.23
F_LAKE1	13F	G010YR24HR	17.80	3.57	0.000	17.80	63.60	12.30	55.45
F_LAKE1	13F	G025YR24HR	14.62	14.82	0.002	14.62	63.69	16.79	55.72
F_LAKE1	13F	G100YR24HR	13.44	41.97	0.010	13.44	63.83	17.00	56.78
F_LAKE2	13F	G002YR24HR	0.00	0.00	0.000	17.70	64.97	12.98	55.23
F_LAKE2	13F	G010YR24HR	0.00	0.00	0.000	12.66	65.10	12.30	55.45
F_LAKE2	13F	G025YR24HR	22.52	2.85	0.000	22.52	65.50	16.79	55.72
F_LAKE2	13F	G100YR24HR	13.54	24.91	0.008	13.54	65.65	17.00	56.78
F_LAKE3	13F	G002YR24HR	0.00	0.00	0.000	72.00	60.78	12.98	55.23
F_LAKE3	13F	G010YR24HR	0.00	0.00	0.000	72.00	64.17	12.30	55.45
F_LAKE3	13F	G025YR24HR	0.00	0.00	0.000	22.52	65.50	16.79	55.72
F_LAKE3	13F	G100YR24HR	0.00	0.00	0.000	13.54	65.66	17.00	56.78
F_MURPHY	13F	G002YR24HR	12.92	2.44	0.000	12.92	50.76	25.36	46.93
F_MURPHY	13F	G010YR24HR	12.78	19.19	0.003	12.78	50.99	25.90	47.65
F_MURPHY	13F	G025YR24HR	12.67	35.66	0.006	12.67	51.09	24.58	48.02
F_MURPHY	13F	G100YR24HR	12.50	63.47	0.011	12.50	51.21	20.10	48.37
F_SEVENT	13F	G002YR24HR	0.00	0.00	0.000	25.36	46.93	24.98	46.04
F_SEVENT	13F	G010YR24HR	0.00	0.00	0.000	25.90	47.65	32.20	46.41
F_SEVENT	13F	G025YR24HR	24.58	13.42	0.000	24.58	48.02	24.96	46.89
F_SEVENT	13F	G100YR24HR	20.10	64.39	0.002	20.10	48.37	24.35	47.61
I_CHURCH	13I	G002YR24HR	0.00	0.00	0.000	25.50	71.57	12.78	62.42
I_CHURCH	13I	G010YR24HR	0.00	0.00	0.000	25.50	72.12	12.72	64.49
I_CHURCH	13I	G025YR24HR	0.00	0.00	0.000	25.50	72.50	12.63	64.65
I_CHURCH	13I	G100YR24HR	0.00	0.00	0.000	25.50	73.14	12.65	64.84
I_CR434	13I	G002YR24HR	0.00	0.00	0.000	12.78	62.42	13.26	60.07
I_CR434	13I	G010YR24HR	12.72	72.72	0.047	12.72	64.49	19.91	60.63
I_CR434	13I	G025YR24HR	12.63	174.33	0.110	12.63	64.65	20.48	61.50
I_CR434	13I	G100YR24HR	12.65	363.77	0.171	12.65	64.84	19.34	62.86
I_EAST	13I	G002YR24HR	13.69	3.89	0.003	13.69	62.67	26.43	62.60
I_EAST	13I	G010YR24HR	12.67	23.33	0.058	24.25	63.17	24.31	63.17
I_EAST	13I	G025YR24HR	12.51	41.87	0.058	17.81	63.29	17.86	63.28
I_EAST	13I	G100YR24HR	12.39	76.47	0.058	14.03	63.54	14.01	63.53
I_GRANT	13I	G002YR24HR	13.62	9.41	0.001	13.62	65.72	12.78	62.42
I_GRANT	13I	G010YR24HR	13.19	61.24	0.009	13.19	66.15	12.72	64.49
I_GRANT	13I	G025YR24HR	13.01	95.60	0.014	13.01	66.32	12.63	64.65
I_GRANT	13I	G100YR24HR	12.98	164.82	0.023	12.98	66.59	12.65	64.84
I_MAGNOL	13I	G002YR24HR	0.00	0.00	0.000	25.50	73.89	12.78	62.42
I_MAGNOL	13I	G010YR24HR	0.00	0.00	0.000	25.50	74.98	12.72	64.49
I_MAGNOL	13I	G025YR24HR	18.64	3.27	0.000	18.64	75.30	12.63	64.65
I_MAGNOL	13I	G100YR24HR	12.94	26.25	0.008	12.94	75.46	12.65	64.84
I_WILDME	13I	G002YR24HR	0.00	0.00	0.000	19.08	59.22	19.18	59.12
I_WILDME	13I	G010YR24HR	0.00	0.00	0.000	20.08	60.62	20.02	60.08
I_WILDME	13I	G025YR24HR	20.50	35.30	0.001	20.50	61.49	20.55	60.81
I_WILDME	13I	G100YR24HR	19.05	155.68	0.028	19.37	62.86	19.37	62.84
J_CR427	13J	G002YR24HR	0.00	0.00	0.000	16.39	77.81	15.95	77.46
J_CR427	13J	G010YR24HR	0.00	0.00	0.000	16.33	78.65	15.50	78.09
J_CR427	13J	G025YR24HR	0.00	0.00	0.000	16.47	79.30	15.47	78.34
J_CR427	13J	G100YR24HR	0.00	0.00	0.000	17.10	80.24	16.57	78.65
J_GRANT	13J	G002YR24HR	0.00	0.00	0.000	12.36	60.44	27.01	53.96
J_GRANT	13J	G010YR24HR	12.25	28.29	0.016	12.25	61.49	30.38	55.31
J_GRANT	13J	G025YR24HR	12.21	57.49	0.018	12.21	61.66	33.16	56.45
J_GRANT	13J	G100YR24HR	12.18	106.30	0.024	12.18	61.87	33.96	58.51
J_MARVIN	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.84	68.23
J_MARVIN	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.84	68.86
J_MARVIN	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	13.05	71.77
J_MARVIN	13J	G100YR24HR	12.92	5.51	0.042	12.92	74.58	12.88	73.24
J_OLEAND	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.26
J_OLEAND	13J	G010YR24HR	13.39	16.86	0.003	13.39	76.75	13.64	76.24
J_OLEAND	13J	G025YR24HR	12.93	34.46	0.007	12.93	76.84	12.99	76.50
J_OLEAND	13J	G100YR24HR	12.86	58.13	0.011	12.86	76.93	12.92	76.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
J_OVERST	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.28	74.25
J_OVERST	13J	G010YR24HR	13.64	0.67	0.000	13.64	76.22	13.66	75.15
J_OVERST	13J	G025YR24HR	12.99	37.63	0.009	12.99	76.47	13.01	76.18
J_OVERST	13J	G100YR24HR	12.90	73.74	0.024	12.91	76.61	12.91	76.56
J_TULLIS	13J	G002YR24HR	0.00	0.00	0.000	15.83	76.86	15.68	76.65
J_TULLIS	13J	G010YR24HR	0.00	0.00	0.000	14.11	77.42	13.88	77.08
J_TULLIS	13J	G025YR24HR	13.73	0.52	0.000	13.73	77.61	13.48	77.19
J_TULLIS	13J	G100YR24HR	13.03	18.68	0.004	13.03	77.84	13.12	77.42
J_WILDME	13J	G002YR24HR	0.00	0.00	0.000	15.62	76.61	15.18	76.23
J_WILDME	13J	G010YR24HR	0.00	0.00	0.000	13.76	77.06	13.40	76.76
J_WILDME	13J	G025YR24HR	0.00	0.00	0.000	13.43	77.17	12.93	76.84
J_WILDME	13J	G100YR24HR	0.00	0.00	0.000	13.11	77.41	12.87	76.94
K_#1792N	13K	G002YR24HR	0.00	0.00	0.000	12.24	61.68	12.26	60.27
K_#1792N	13K	G010YR24HR	0.00	0.00	0.000	12.61	63.02	12.15	60.85
K_#1792N	13K	G025YR24HR	15.92	9.79	0.003	15.92	64.46	12.10	60.90
K_#1792N	13K	G100YR24HR	13.75	152.05	0.027	13.75	65.02	13.74	61.21
K_#1792S	13K	G002YR24HR	0.00	0.00	0.000	12.23	62.69	12.24	61.68
K_#1792S	13K	G010YR24HR	0.00	0.00	0.000	12.80	64.37	12.61	63.02
K_#1792S	13K	G025YR24HR	15.88	45.38	0.002	15.88	65.25	15.92	64.46
K_#1792S	13K	G100YR24HR	13.72	192.29	0.022	13.72	65.73	13.75	65.02
K_GOLDEN	13K	G002YR24HR	0.00	0.00	0.000	12.85	63.37	12.23	62.69
K_GOLDEN	13K	G010YR24HR	13.55	38.88	0.074	12.81	64.40	12.80	64.37
K_GOLDEN	13K	G025YR24HR	15.90	45.36	0.190	15.88	65.26	15.88	65.25
K_GOLDEN	13K	G100YR24HR	13.68	98.63	0.553	13.72	65.76	13.72	65.73
K_GRIFF1	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	18.51	74.72
K_GRIFF1	13K	G010YR24HR	0.00	0.00	0.000	16.24	76.23	16.01	75.07
K_GRIFF1	13K	G025YR24HR	14.76	1.71	0.000	14.76	76.51	14.67	75.13
K_GRIFF1	13K	G100YR24HR	13.59	31.22	0.004	13.59	76.86	13.60	75.46
K_GRIFF2	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.23	62.69
K_GRIFF2	13K	G010YR24HR	16.24	2.73	0.000	16.24	76.23	12.80	64.37
K_GRIFF2	13K	G025YR24HR	14.76	25.79	0.002	14.76	76.51	15.88	65.25
K_GRIFF2	13K	G100YR24HR	13.59	71.41	0.009	13.59	76.86	13.72	65.73
K_GRIFF3	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.25	73.73
K_GRIFF3	13K	G010YR24HR	16.24	1.59	0.000	16.24	76.23	12.15	74.31
K_GRIFF3	13K	G025YR24HR	14.76	15.04	0.001	14.76	76.51	12.14	74.57
K_GRIFF3	13K	G100YR24HR	13.59	41.66	0.005	13.59	76.86	12.12	74.94
K_SEMINO	13K	G002YR24HR	0.00	0.00	0.000	12.26	60.27	33.78	51.68
K_SEMINO	13K	G010YR24HR	12.15	11.12	0.019	12.15	60.85	31.44	52.74
K_SEMINO	13K	G025YR24HR	12.10	23.02	0.034	12.10	60.90	30.18	53.27
K_SEMINO	13K	G100YR24HR	13.74	161.17	0.041	13.74	61.21	26.31	53.94
K_SLUMBE	13K	G002YR24HR	0.00	0.00	0.000	12.94	64.69	12.85	63.37
K_SLUMBE	13K	G010YR24HR	0.00	0.00	0.000	13.69	66.48	12.81	64.40
K_SLUMBE	13K	G025YR24HR	15.54	11.61	0.002	15.54	67.87	15.88	65.26
K_SLUMBE	13K	G100YR24HR	13.33	66.72	0.016	13.33	68.13	13.72	65.76
L_CGC12	13L	G002YR24HR	0.00	0.00	0.000	12.66	54.90	12.73	54.48
L_CGC12	13L	G010YR24HR	0.00	0.00	0.000	13.07	55.84	13.07	55.25
L_CGC12	13L	G025YR24HR	13.87	34.54	0.005	13.87	56.28	13.92	55.70
L_CGC12	13L	G100YR24HR	13.85	304.41	0.033	13.73	57.04	13.70	56.96
L_CGC13	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC13	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC13	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC13	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_KATHRY	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	33.78	51.68
L_KATHRY	13L	G010YR24HR	12.08	0.11	-0.000	12.08	54.08	31.44	52.74
L_KATHRY	13L	G025YR24HR	12.08	1.31	0.001	12.08	54.15	30.18	53.27
L_KATHRY	13L	G100YR24HR	14.34	25.81	0.002	14.34	54.50	26.31	53.94
L_NTRIPL	13L	G002YR24HR	14.70	1.08	0.000	14.70	54.65	29.00	52.09
L_NTRIPL	13L	G010YR24HR	13.06	28.07	0.005	13.06	54.93	26.86	53.29
L_NTRIPL	13L	G025YR24HR	12.80	49.58	0.011	12.80	55.03	27.23	54.04
L_NTRIPL	13L	G100YR24HR	12.60	87.14	-0.132	12.60	55.17	27.30	55.10
L_OXFORD	13L	G002YR24HR	0.00	0.00	0.000	12.56	71.27	13.00	70.85
L_OXFORD	13L	G010YR24HR	0.00	0.00	0.000	12.93	72.63	13.66	71.90

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
L_OXFORD	13L	G025YR24HR	12.90	24.09	0.007	12.90	73.99	14.04	73.15
L_OXFORD	13L	G100YR24HR	12.93	166.84	0.044	12.95	74.64	13.37	74.42
P_MORSE	13P	G002YR24HR	23.77	0.86	-0.000	23.77	89.63	12.79	87.74
P_MORSE	13P	G010YR24HR	13.26	9.20	0.001	13.26	89.79	14.73	88.42
P_MORSE	13P	G025YR24HR	12.80	25.93	0.004	12.80	89.95	16.90	89.05
P_MORSE	13P	G100YR24HR	12.48	75.82	0.016	12.48	90.14	15.62	90.05
P_NTRIPL	13P	G002YR24HR	0.00	0.00	0.000	12.09	55.57	0.00	54.10
P_NTRIPL	13P	G010YR24HR	0.00	0.00	0.000	12.09	55.74	12.11	54.12
P_NTRIPL	13P	G025YR24HR	0.00	0.00	0.000	12.09	55.83	12.11	54.14
P_NTRIPL	13P	G100YR24HR	0.00	0.00	0.000	12.08	55.98	27.36	55.10
P_SOUTHC	13P	G002YR24HR	0.00	0.00	0.000	12.39	75.64	12.54	74.81
P_SOUTHC	13P	G010YR24HR	0.00	0.00	0.000	12.39	75.93	12.45	75.12
P_SOUTHC	13P	G025YR24HR	0.00	0.00	0.000	12.40	76.14	12.44	75.35
P_SOUTHC	13P	G100YR24HR	0.00	0.00	0.000	12.43	76.50	13.34	75.72
POND2D	13L	G002YR24HR	13.84	32.41	1.245	13.93	52.50	29.00	52.09
POND2D	13L	G010YR24HR	13.37	51.17	0.009	14.26	53.83	26.86	53.29
POND2D	13L	G025YR24HR	13.18	56.74	0.011	14.72	54.80	27.23	54.04
POND2D	13L	G100YR24HR	13.30	62.91	0.005	15.98	56.17	27.30	55.10
POND5D	13N	G002YR24HR	12.55	27.59	0.005	12.55	62.05	12.62	57.52
POND5D	13N	G010YR24HR	12.62	42.22	0.007	12.64	62.69	12.67	58.57
POND5D	13N	G025YR24HR	12.17	41.68	0.008	12.88	63.21	13.48	59.47
POND5D	13N	G100YR24HR	12.01	41.40	0.009	13.25	63.49	14.23	60.18
POND8B-W	13L	G002YR24HR	0.00	0.00	0.000	13.13	56.94	19.29	55.76
POND8B-W	13L	G010YR24HR	0.00	0.00	0.000	13.29	57.89	15.78	56.59
POND8B-W	13L	G025YR24HR	13.05	31.53	0.007	13.05	58.23	15.11	56.99
POND8B-W	13L	G100YR24HR	14.00	144.31	0.026	14.00	58.64	15.12	57.98
POND8P	13L	G002YR24HR	12.91	137.00	-0.663	13.13	56.94	13.33	56.45
POND8P	13L	G010YR24HR	13.25	203.40	0.650	13.29	57.89	13.43	56.77
POND8P	13L	G025YR24HR	13.00	224.88	0.650	13.05	58.23	15.05	57.13
POND8P	13L	G100YR24HR	12.59	240.22	0.650	14.00	58.64	15.12	58.03
POND8W	13L	G002YR24HR	13.33	124.73	0.011	13.33	56.45	16.27	55.81
POND8W	13L	G010YR24HR	13.43	183.60	0.016	13.43	56.77	15.76	56.58
POND8W	13L	G025YR24HR	12.92	201.85	0.016	15.05	57.13	15.11	56.99
POND8W	13L	G100YR24HR	12.41	224.33	-0.026	15.12	58.03	15.14	57.97
Q_ANCHO1	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	14.05	87.39
Q_ANCHO1	13Q	G010YR24HR	13.14	12.41	0.003	13.14	89.55	14.17	88.60
Q_ANCHO1	13Q	G025YR24HR	12.75	30.67	0.006	12.75	89.97	14.29	89.17
Q_ANCHO1	13Q	G100YR24HR	12.50	44.34	0.013	12.50	90.22	14.07	89.70
Q_OAK	13Q	G002YR24HR	0.00	0.00	0.000	13.25	88.46	12.94	88.19
Q_OAK	13Q	G010YR24HR	13.01	36.51	0.012	13.13	89.59	13.14	89.55
Q_OAK	13Q	G025YR24HR	12.77	70.63	0.021	12.76	90.01	12.75	89.97
Q_OAK	13Q	G100YR24HR	12.56	121.97	0.040	12.51	90.30	12.50	90.22
Q_PINE	13Q	G002YR24HR	13.14	3.96	0.001	13.14	88.70	13.25	88.46
Q_PINE	13Q	G010YR24HR	12.64	44.39	0.019	13.13	89.61	13.13	89.59
Q_PINE	13Q	G025YR24HR	12.73	67.42	0.025	12.76	90.04	12.76	90.01
Q_PINE	13Q	G100YR24HR	12.55	110.28	0.026	12.51	90.34	12.51	90.30

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.8 Node Max Comparison Report – Scenario 2

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
12-01-02	12	G002YR24HR	15.83	15.96	0.00	0.0012	27	0.00	0.00	20.23	94.52
12-01-02	12	G010YR24HR	16.67	17.33	0.00	0.0012	27	0.00	0.00	22.94	152.83
12-01-02	12	G025YR24HR	17.17	18.14	0.00	0.0012	27	0.00	0.00	27.63	214.28
12-01-02	12	G100YR24HR	22.17	19.86	0.00	0.0012	27	0.00	0.00	22.17	520.13
13A0100N	13A	G002YR24HR	15.37	10.21	0.00	0.0001	19257	15.35	587.12	15.37	587.11
13A0100N	13A	G010YR24HR	15.60	11.75	0.00	0.0002	60595	15.54	1008.54	15.60	1008.42
13A0100N	13A	G025YR24HR	15.68	12.69	0.00	0.0002	67052	15.62	1277.33	15.68	1277.17
13A0100N	13A	G100YR24HR	15.90	13.60	0.00	0.0003	84339	15.89	1661.57	15.90	1661.99
13A0300N	13A	G002YR24HR	15.36	10.69	0.00	0.0001	23428	15.33	586.03	15.35	585.99
13A0300N	13A	G010YR24HR	15.58	12.40	0.00	0.0002	26747	15.51	1006.99	15.54	1006.89
13A0300N	13A	G025YR24HR	15.66	13.39	0.00	0.0003	28357	15.60	1275.47	15.62	1275.35
13A0300N	13A	G100YR24HR	15.90	14.48	0.00	0.0003	31315	15.89	1659.15	15.90	1659.14
13A0500N	13A	G002YR24HR	15.37	10.87	22.78	-0.0002	11731	15.38	570.50	15.39	570.52
13A0500N	13A	G010YR24HR	15.58	12.60	22.78	0.0002	20494	15.61	979.86	15.63	979.91
13A0500N	13A	G025YR24HR	15.67	13.61	22.78	0.0003	22432	15.70	1240.13	15.73	1240.22
13A0500N	13A	G100YR24HR	15.93	14.73	22.78	0.0003	25680	16.15	1613.08	16.17	1613.25
13A0600N	13A	G002YR24HR	15.37	11.41	9.75	-0.0004	14405	15.36	570.51	15.38	570.50
13A0600N	13A	G010YR24HR	15.59	13.27	9.75	-0.0008	22455	17.07	984.70	15.61	979.86
13A0600N	13A	G025YR24HR	15.68	14.30	9.75	0.0008	24261	15.68	1240.11	15.70	1240.13
13A0600N	13A	G100YR24HR	16.04	15.57	9.75	0.0008	24261	16.13	1612.97	16.15	1613.08
13A0725N	13A	G002YR24HR	12.83	16.60	0.00	0.0002	523	12.82	19.66	12.83	19.65
13A0725N	13A	G010YR24HR	13.60	17.15	0.00	-0.0004	451	13.13	23.62	13.12	23.62
13A0725N	13A	G025YR24HR	14.26	18.35	0.00	-0.0008	451	12.46	24.73	12.46	24.71
13A0725N	13A	G100YR24HR	14.71	20.31	0.00	-0.0005	451	12.08	26.91	12.05	26.47
13A0735P	13A	G002YR24HR	12.85	19.49	24.95	0.0000	39537	12.58	20.31	12.85	18.92
13A0735P	13A	G010YR24HR	13.35	20.30	24.95	0.0001	43317	12.58	34.95	13.18	22.89
13A0735P	13A	G025YR24HR	13.81	21.30	24.95	0.0001	47958	12.58	45.28	13.20	22.45
13A0735P	13A	G100YR24HR	14.41	23.30	24.95	0.0002	57232	12.58	63.35	13.76	22.37
13A0800N	13A	G002YR24HR	15.37	11.49	9.65	0.0004	53009	15.31	567.04	15.38	566.90
13A0800N	13A	G010YR24HR	15.59	13.53	9.65	0.0004	57492	15.53	974.51	17.07	981.01
13A0800N	13A	G025YR24HR	15.68	14.83	9.65	0.0004	59239	15.62	1233.44	15.70	1233.31
13A0800N	13A	G100YR24HR	16.08	16.47	9.65	0.0006	66505	16.09	1604.52	16.17	1604.75
13A0820P	13A	G002YR24HR	13.88	22.12	0.00	0.0000	60592	13.75	18.78	13.88	18.71
13A0820P	13A	G010YR24HR	13.84	22.20	0.00	0.0000	61651	13.75	31.80	13.84	31.71
13A0820P	13A	G025YR24HR	13.82	22.24	0.00	0.0000	62310	13.75	40.99	13.82	40.89
13A0820P	13A	G100YR24HR	13.80	22.31	0.00	0.0000	63359	13.75	57.11	13.80	56.99
13A0900N	13A	G002YR24HR	15.40	14.37	11.65	0.0003	78751	15.31	546.28	15.40	545.97
13A0900N	13A	G010YR24HR	15.65	15.94	11.65	0.0003	84798	15.59	941.95	15.67	941.81
13A0900N	13A	G025YR24HR	15.72	16.84	11.65	0.0003	87639	15.67	1183.39	15.74	1183.33
13A0900N	13A	G100YR24HR	16.16	18.07	11.65	0.0003	90091	16.19	1546.30	16.30	1546.71
13A0950N	13A	G002YR24HR	15.36	15.01	0.00	0.0004	68169	15.24	546.82	15.31	546.28
13A0950N	13A	G010YR24HR	15.63	16.50	0.00	0.0004	79839	15.53	942.40	15.59	941.95
13A0950N	13A	G025YR24HR	15.70	17.34	0.00	0.0004	81904	15.60	1183.78	15.67	1183.39
13A0950N	13A	G100YR24HR	16.16	18.46	0.00	0.0004	81999	16.11	1546.35	16.19	1546.30
13A1000N	13A	G002YR24HR	15.32	15.09	12.55	0.0003	43849	14.85	382.35	14.90	380.69
13A1000N	13A	G010YR24HR	15.60	16.56	12.55	0.0003	70229	14.86	676.65	14.93	672.88
13A1000N	13A	G025YR24HR	15.68	17.39	12.55	0.0003	85118	14.87	861.12	14.99	856.14

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A1000N	13A	G100YR24HR	16.15	18.50	12.55	0.0003	86832	14.85	1114.87	14.98	1109.81
13A1100N	13A	G002YR24HR	15.04	15.92	18.35	0.0003	23008	14.83	379.35	14.86	378.90
13A1100N	13A	G010YR24HR	15.30	17.34	18.35	0.0002	31328	14.86	671.05	14.89	670.11
13A1100N	13A	G025YR24HR	15.43	18.06	18.35	0.0003	36543	14.89	853.64	14.92	852.40
13A1100N	13A	G100YR24HR	15.96	19.03	18.35	0.0002	41685	14.92	1103.83	14.97	1102.23
13A1300N	13A	G002YR24HR	14.94	17.01	14.25	0.0004	18998	14.81	372.01	14.86	371.55
13A1300N	13A	G010YR24HR	15.03	20.09	14.25	0.0005	40071	14.88	657.81	14.93	657.36
13A1300N	13A	G025YR24HR	15.10	20.77	14.25	0.0005	59944	14.93	836.46	14.98	835.93
13A1300N	13A	G100YR24HR	15.44	21.51	14.25	0.0006	60684	15.10	1080.03	15.13	1079.58
13A1400N	13A	G002YR24HR	14.88	18.45	22.05	0.0003	16041	14.79	370.10	14.83	369.90
13A1400N	13A	G010YR24HR	14.98	20.80	22.05	0.0004	27080	14.87	654.75	14.91	654.52
13A1400N	13A	G025YR24HR	15.03	21.50	22.05	0.0005	35034	14.94	832.61	14.97	832.44
13A1400N	13A	G100YR24HR	15.32	22.24	22.05	0.0007	37257	15.14	1075.31	15.17	1075.16
13A1600N	13A	G002YR24HR	14.87	18.90	20.35	0.0004	14891	14.70	370.25	14.79	369.40
13A1600N	13A	G010YR24HR	14.91	23.76	20.35	0.0009	32174	14.75	654.50	14.88	653.58
13A1600N	13A	G025YR24HR	14.96	26.29	20.35	0.0011	51697	14.72	833.18	14.94	831.11
13A1600N	13A	G100YR24HR	15.17	30.23	20.35	0.0013	53179	14.86	1075.14	15.15	1073.30
13A1700N	13A	G002YR24HR	14.78	21.45	19.35	0.0003	40405	14.61	369.68	14.71	368.52
13A1700N	13A	G010YR24HR	14.88	24.58	19.35	0.0005	70603	14.57	654.96	14.76	651.73
13A1700N	13A	G025YR24HR	14.95	26.59	19.35	0.0007	90514	14.41	838.55	14.74	829.60
13A1700N	13A	G100YR24HR	15.17	30.30	19.35	0.0008	101163	14.24	1086.40	14.89	1070.46
13A1800N	13A	G002YR24HR	14.69	22.76	21.45	0.0007	34637	14.56	364.81	14.63	364.12
13A1800N	13A	G010YR24HR	14.82	25.29	21.45	0.0007	60574	14.43	649.00	14.61	645.65
13A1800N	13A	G025YR24HR	14.90	27.04	21.45	0.0005	75776	14.29	835.75	14.46	826.13
13A1800N	13A	G100YR24HR	15.16	30.47	21.45	0.0006	84114	14.07	1090.76	14.36	1068.38
13A1900N	13A	G002YR24HR	14.60	25.32	0.00	-0.0012	20188	14.54	363.00	14.56	362.87
13A1900N	13A	G010YR24HR	14.69	26.64	0.00	-0.0013	34797	14.39	646.59	14.44	645.71
13A1900N	13A	G025YR24HR	14.81	27.64	0.00	-0.0013	37074	14.10	834.67	14.30	831.41
13A1900N	13A	G100YR24HR	15.14	30.61	0.00	-0.0013	38036	14.03	1094.92	14.07	1084.16
13A2100N	13A	G002YR24HR	14.58	26.07	25.29	-0.0006	36395	14.57	361.97	14.55	360.26
13A2100N	13A	G010YR24HR	14.59	27.55	25.29	0.0008	83051	14.34	642.72	14.42	641.76
13A2100N	13A	G025YR24HR	14.66	28.08	25.29	0.0008	94082	14.11	831.81	14.28	827.98
13A2100N	13A	G100YR24HR	15.14	30.63	25.29	0.0008	147224	13.83	1125.80	14.07	1084.17
13A2200N	13A	G002YR24HR	14.58	27.79	26.35	0.0003	55651	14.40	360.95	14.58	361.33
13A2200N	13A	G010YR24HR	13.80	29.46	26.35	0.0005	74212	13.64	643.85	14.35	641.60
13A2200N	13A	G025YR24HR	14.20	29.91	26.35	0.0004	74426	14.10	829.56	14.11	830.24
13A2200N	13A	G100YR24HR	14.95	31.38	26.35	0.0006	77753	13.79	1137.59	13.83	1123.41
13A2220P	13A	G002YR24HR	14.12	30.70	32.55	0.0000	109354	12.08	14.37	14.12	1.87
13A2220P	13A	G010YR24HR	13.16	31.16	32.55	0.0001	113060	12.08	35.43	13.16	6.29
13A2220P	13A	G025YR24HR	13.02	31.52	32.55	0.0001	115908	12.08	52.00	13.02	10.72
13A2220P	13A	G100YR24HR	13.07	32.22	32.55	0.0002	121481	12.08	82.71	12.68	15.69
13A2300N	13A	G002YR24HR	14.43	29.50	28.45	0.0002	34428	14.36	354.26	14.42	354.03
13A2300N	13A	G010YR24HR	14.35	31.11	28.45	0.0037	37697	13.62	1110.02	14.36	627.02
13A2300N	13A	G025YR24HR	14.21	31.81	28.45	0.0037	37960	12.80	1115.79	14.21	808.15
13A2300N	13A	G100YR24HR	14.24	32.96	28.45	0.0037	48507	12.31	1114.65	13.83	1103.70
13A2350N	13A	G002YR24HR	14.42	29.73	0.00	0.0002	36090	14.29	354.63	14.36	354.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A2350N	13A	G010YR24HR	13.62	31.39	0.00	-0.0036	36887	13.63	650.16	13.62	1109.42
13A2350N	13A	G025YR24HR	14.20	32.08	0.00	-0.0035	38667	14.12	808.04	12.80	1113.77
13A2350N	13A	G100YR24HR	14.17	33.18	0.00	-0.0033	47959	13.82	1108.57	12.31	1107.08
13A2400N	13A	G002YR24HR	14.35	30.62	30.65	0.0003	42888	14.21	354.06	14.29	353.38
13A2400N	13A	G010YR24HR	13.62	31.85	30.65	-0.0008	64573	12.82	627.67	13.63	647.42
13A2400N	13A	G025YR24HR	14.19	32.59	30.65	0.0008	70223	14.05	806.14	14.13	805.25
13A2400N	13A	G100YR24HR	14.08	33.64	30.65	0.0009	80194	13.77	1107.93	13.83	1104.35
13A2600N	13A	G002YR24HR	14.32	31.19	30.25	0.0003	92464	13.90	361.18	14.22	353.21
13A2600N	13A	G010YR24HR	14.28	32.68	30.25	0.0005	120411	14.06	625.92	14.21	623.82
13A2600N	13A	G025YR24HR	14.14	33.38	30.25	0.0005	138446	13.90	806.48	14.06	804.19
13A2600N	13A	G100YR24HR	13.95	34.09	30.25	0.0005	147734	13.70	1108.63	13.78	1104.96
13A2750N	13A	G002YR24HR	14.18	32.24	26.95	0.0004	534555	12.79	403.98	13.94	350.85
13A2750N	13A	G010YR24HR	14.24	33.34	26.95	0.0004	704801	12.63	690.15	14.17	609.91
13A2750N	13A	G025YR24HR	14.11	33.97	26.95	0.0004	815383	12.49	871.82	14.08	783.43
13A2750N	13A	G100YR24HR	13.89	34.72	26.95	0.0004	945469	12.47	1206.19	13.83	1069.68
13A2800N	13A	G002YR24HR	13.66	34.25	32.25	-0.0006	120048	13.28	343.34	13.47	335.88
13A2800N	13A	G010YR24HR	13.74	35.29	32.25	-0.0006	384750	13.18	592.42	13.59	568.60
13A2800N	13A	G025YR24HR	13.75	35.75	32.25	-0.0006	490422	13.13	753.04	13.58	720.14
13A2800N	13A	G100YR24HR	13.74	36.42	32.25	-0.0006	641234	13.02	986.32	13.64	938.33
13A2820P	13A	G002YR24HR	20.31	33.29	36.65	0.0000	151965	12.17	14.55	26.41	2.05
13A2820P	13A	G010YR24HR	20.22	34.12	36.65	0.0001	158834	12.17	26.91	26.24	2.11
13A2820P	13A	G025YR24HR	19.54	34.69	36.65	0.0001	163586	12.17	35.77	21.49	2.80
13A2820P	13A	G100YR24HR	16.60	35.96	36.65	0.0001	174183	12.17	51.35	18.11	6.84
13A2900N	13A	G002YR24HR	13.31	36.84	36.95	0.0003	483783	12.58	414.55	13.28	353.97
13A2900N	13A	G010YR24HR	13.26	37.65	36.95	0.0002	643892	12.38	700.07	13.18	604.06
13A2900N	13A	G025YR24HR	13.20	38.10	36.95	0.0002	730574	12.35	896.24	13.15	766.56
13A2900N	13A	G100YR24HR	13.19	38.76	36.95	0.0002	857035	12.33	1231.19	13.07	1011.58
13A3000N	13A	G002YR24HR	12.92	37.65	36.15	0.0054	181117	12.51	340.02	12.80	317.49
13A3000N	13A	G010YR24HR	13.07	38.49	36.15	0.0054	297340	12.56	514.33	12.93	474.55
13A3000N	13A	G025YR24HR	13.12	38.98	36.15	0.0054	363585	12.37	637.36	13.01	567.51
13A3000N	13A	G100YR24HR	13.20	39.67	36.15	0.0054	458344	12.27	791.32	13.22	699.78
13A3200N	13A	G002YR24HR	12.91	37.68	36.51	-0.0073	7281	12.49	341.87	12.51	340.02
13A3200N	13A	G010YR24HR	13.06	38.53	36.51	-0.0073	8118	12.55	516.23	12.56	514.33
13A3200N	13A	G025YR24HR	13.10	39.03	36.51	-0.0073	8763	12.36	641.44	12.37	637.36
13A3200N	13A	G100YR24HR	13.19	39.73	36.51	-0.0073	14334	12.27	797.19	12.27	791.32
13A3300N	13A	G002YR24HR	12.81	37.93	37.95	0.0003	13988	12.53	320.38	12.56	318.20
13A3300N	13A	G010YR24HR	12.94	38.82	37.95	0.0003	19395	12.61	480.80	12.63	478.08
13A3300N	13A	G025YR24HR	12.97	39.35	37.95	0.0002	23470	12.43	580.81	12.49	575.27
13A3300N	13A	G100YR24HR	13.00	40.22	37.95	0.0004	35040	12.34	705.05	12.65	695.74
13A3320P	13A	G002YR24HR	12.55	39.87	41.45	0.0004	10378	12.08	18.04	12.32	10.65
13A3320P	13A	G010YR24HR	12.62	42.01	41.45	0.0005	21405	12.08	35.37	12.62	14.80
13A3320P	13A	G025YR24HR	12.30	42.19	41.45	0.0006	22337	12.08	48.02	12.29	36.59
13A3320P	13A	G100YR24HR	12.13	42.36	41.45	0.0006	23210	12.08	70.46	12.13	66.62
13A3400N	13A	G002YR24HR	12.64	38.98	36.25	0.0005	15649	12.51	308.47	12.55	307.21
13A3400N	13A	G010YR24HR	12.74	40.10	36.25	0.0005	21268	12.58	461.61	12.64	460.15
13A3400N	13A	G025YR24HR	12.79	40.62	36.25	0.0005	22529	12.63	549.88	12.66	548.61
13A3400N	13A	G100YR24HR	12.88	41.27	36.25	0.0005	26705	12.85	666.41	12.87	666.29

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3420P	13A	G002YR24HR	25.50	47.61	48.75	0.0000	84902	12.08	8.94	0.00	0.00
13A3420P	13A	G010YR24HR	32.10	48.76	48.75	0.0001	129049	12.08	20.08	32.10	0.22
13A3420P	13A	G025YR24HR	19.66	48.85	48.75	0.0001	132922	12.08	28.61	19.66	5.04
13A3420P	13A	G100YR24HR	15.73	48.96	48.75	0.0001	137844	12.08	44.14	15.73	15.01
13A3440P	13A	G002YR24HR	38.50	50.05	50.65	0.0000	58826	14.58	1.66	0.00	0.00
13A3440P	13A	G010YR24HR	19.96	50.61	50.65	0.0000	71037	14.33	5.43	19.96	2.40
13A3440P	13A	G025YR24HR	16.88	50.68	50.65	0.0000	72458	14.25	8.82	16.88	5.61
13A3440P	13A	G100YR24HR	15.14	50.77	50.65	0.0001	74552	14.17	15.64	15.14	13.58
13A3600N	13A	G002YR24HR	12.64	39.08	40.15	-0.0006	16072	12.64	267.63	12.68	267.80
13A3600N	13A	G010YR24HR	12.76	40.32	40.15	-0.0006	18378	12.84	399.44	12.86	400.19
13A3600N	13A	G025YR24HR	12.83	40.85	40.15	-0.0006	19688	12.98	475.92	13.01	476.86
13A3600N	13A	G100YR24HR	12.98	41.50	40.15	-0.0006	22920	13.26	586.85	13.27	587.78
13A3700N	13A	G002YR24HR	12.67	39.90	38.25	0.0007	17857	12.66	260.44	12.69	260.53
13A3700N	13A	G010YR24HR	12.81	40.95	38.25	0.0007	19638	12.86	390.89	12.90	391.47
13A3700N	13A	G025YR24HR	12.92	41.47	38.25	0.0007	20397	13.28	470.77	13.07	468.34
13A3700N	13A	G100YR24HR	13.13	42.11	38.25	0.0007	22856	13.29	578.79	13.31	579.43
13A3900N	13A	G002YR24HR	12.67	39.99	39.35	0.0008	49781	12.16	284.48	12.66	260.44
13A3900N	13A	G010YR24HR	12.82	41.04	39.35	0.0009	50583	12.77	390.91	12.86	390.89
13A3900N	13A	G025YR24HR	12.93	41.56	39.35	0.0008	50663	12.96	466.56	13.28	470.77
13A3900N	13A	G100YR24HR	13.17	42.52	39.35	0.0006	50485	13.21	577.80	13.29	578.79
13A3910P	13A	G002YR24HR	12.67	40.00	39.15	0.0002	31840	12.08	23.79	12.53	9.63
13A3910P	13A	G010YR24HR	12.82	41.05	39.15	0.0004	39433	12.08	41.66	12.49	13.62
13A3910P	13A	G025YR24HR	12.93	41.57	39.15	0.0003	43918	12.08	54.27	12.34	26.05
13A3910P	13A	G100YR24HR	13.17	42.52	39.15	0.0003	51617	12.08	76.34	12.12	46.35
13A3920P	13A	G002YR24HR	12.16	41.17	41.45	0.0001	178539	12.08	112.44	12.16	107.01
13A3920P	13A	G010YR24HR	12.13	41.25	41.45	0.0000	186768	12.08	181.15	12.13	174.11
13A3920P	13A	G025YR24HR	12.93	41.58	41.45	0.0001	218586	12.08	221.87	12.14	215.34
13A3920P	13A	G100YR24HR	13.17	42.52	41.45	0.0002	280295	12.08	285.89	12.08	271.34
13A3930N	13A	G002YR24HR	12.11	42.29	43.95	0.0003	557	12.10	58.43	12.10	58.37
13A3930N	13A	G010YR24HR	12.09	43.82	43.95	-0.0009	481	12.08	88.67	12.09	88.37
13A3930N	13A	G025YR24HR	12.15	44.84	43.95	-0.0010	8268	12.08	111.34	12.15	103.58
13A3930N	13A	G100YR24HR	12.36	46.53	43.95	0.0008	36346	12.08	155.94	12.20	120.76
13A3940N	13A	G002YR24HR	12.11	42.46	45.55	0.0003	903	12.36	24.97	12.37	25.43
13A3940N	13A	G010YR24HR	12.09	44.07	45.55	0.0017	487	13.36	47.97	13.23	48.02
13A3940N	13A	G025YR24HR	12.46	45.23	45.55	0.0016	487	14.50	52.84	14.49	52.92
13A3940N	13A	G100YR24HR	12.63	47.31	45.55	0.0021	17969	15.08	56.70	15.11	56.74
13A3950N	13A	G002YR24HR	12.11	42.50	0.00	0.0003	1046	12.36	18.79	12.38	19.27
13A3950N	13A	G010YR24HR	12.63	44.29	0.00	0.0011	586	13.44	46.16	13.43	46.22
13A3950N	13A	G025YR24HR	12.59	45.66	0.00	0.0009	549	14.53	51.33	14.53	51.41
13A3950N	13A	G100YR24HR	12.72	47.77	0.00	0.0011	492	15.35	55.06	15.34	55.10
13A3952P	13A	G002YR24HR	18.66	45.43	46.95	0.0000	120792	13.25	14.34	18.57	3.67
13A3952P	13A	G010YR24HR	20.41	47.13	46.95	0.0001	354378	12.92	45.64	14.57	5.09
13A3952P	13A	G025YR24HR	22.28	47.85	46.95	0.0001	488728	12.75	70.36	17.08	5.78
13A3952P	13A	G100YR24HR	24.43	48.97	46.95	0.0002	653848	12.67	116.24	24.12	6.49
13A3954P	13A	G002YR24HR	15.40	50.51	50.25	0.0001	95396	12.17	26.55	15.40	3.17
13A3954P	13A	G010YR24HR	12.64	50.88	50.25	0.0002	106794	12.17	70.16	12.64	40.63

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3954P	13A	G025YR24HR	12.45	51.12	50.25	0.0002	117750	12.17	105.21	12.45	78.62
13A3954P	13A	G100YR24HR	12.34	51.47	50.25	0.0002	135523	12.17	171.07	12.34	146.32
13A3960P	13A	G002YR24HR	25.50	79.17	56.05	0.0011	2178	12.08	9.89	0.00	0.00
13A3960P	13A	G010YR24HR	25.50	106.59	56.05	0.0024	2178	12.08	21.26	0.00	0.00
13A3960P	13A	G025YR24HR	25.50	127.73	56.05	0.0034	2178	12.08	29.82	0.00	0.00
13A3960P	13A	G100YR24HR	25.50	166.82	56.05	0.0052	2178	12.08	45.28	0.00	0.00
13A3962P	13A	G002YR24HR	26.00	231.86	62.85	0.0071	2178	12.08	61.83	0.00	0.00
13A3962P	13A	G010YR24HR	26.00	380.24	62.85	0.0130	2178	12.08	112.89	0.00	0.00
13A3962P	13A	G025YR24HR	26.00	489.16	62.85	0.0171	2178	12.08	149.37	0.00	0.00
13A3962P	13A	G100YR24HR	26.00	684.93	62.85	0.0245	2178	12.08	213.48	0.00	0.00
13A3980N	13A	G002YR24HR	12.11	42.49	46.25	0.0003	906	13.10	9.16	13.00	9.26
13A3980N	13A	G010YR24HR	12.96	44.62	46.25	0.0007	575	13.75	38.93	13.75	39.04
13A3980N	13A	G025YR24HR	12.95	45.96	46.25	0.0006	464	14.84	44.26	14.83	44.31
13A3980N	13A	G100YR24HR	12.91	47.97	46.25	0.0011	464	15.79	48.18	15.79	48.22
13A3990P	13A	G002YR24HR	13.10	42.83	45.75	0.0001	101252	12.08	44.79	13.10	9.16
13A3990P	13A	G010YR24HR	13.08	44.80	45.75	0.0003	124168	12.08	96.08	13.75	38.93
13A3990P	13A	G025YR24HR	13.27	46.43	45.75	0.0004	172831	12.17	148.80	14.84	44.26
13A3990P	13A	G100YR24HR	13.65	48.43	45.75	0.0006	318063	12.08	263.76	15.79	48.18
13A4000N	13A	G002YR24HR	12.76	40.38	38.75	0.0004	164142	12.56	198.41	12.92	196.69
13A4000N	13A	G010YR24HR	12.87	41.27	38.75	0.0004	174371	12.72	291.68	13.07	293.22
13A4000N	13A	G025YR24HR	12.95	41.75	38.75	0.0004	182024	12.69	366.24	13.04	361.61
13A4000N	13A	G100YR24HR	13.18	42.65	38.75	0.0004	182109	27.65	526.97	27.34	528.20
13A4100N	13A	G002YR24HR	12.68	40.72	43.05	0.0002	39600	12.44	194.33	12.50	191.40
13A4100N	13A	G010YR24HR	12.85	41.52	43.05	0.0002	41245	12.23	270.27	35.10	268.18
13A4100N	13A	G025YR24HR	12.91	42.02	43.05	0.0002	42313	12.69	345.08	12.79	342.00
13A4100N	13A	G100YR24HR	13.15	42.90	43.05	0.0003	43300	27.58	508.53	27.55	508.75
13A4120P	13A	G002YR24HR	12.92	40.44	42.15	0.0001	79354	12.08	30.29	13.42	8.51
13A4120P	13A	G010YR24HR	12.87	41.51	42.15	0.0001	92622	12.08	52.69	13.27	16.25
13A4120P	13A	G025YR24HR	12.92	42.02	42.15	0.0002	99288	12.08	68.47	13.83	16.07
13A4120P	13A	G100YR24HR	13.15	42.90	42.15	0.0003	111391	12.08	96.08	13.61	16.83
13A4200N	13A	G002YR24HR	12.46	42.23	42.95	0.0002	9526	12.41	194.65	12.44	194.33
13A4200N	13A	G010YR24HR	12.50	43.06	42.95	0.0002	13113	12.40	290.04	12.44	289.20
13A4200N	13A	G025YR24HR	12.73	43.56	42.95	0.0003	15791	32.36	354.50	32.39	354.50
13A4200N	13A	G100YR24HR	24.75	44.55	42.95	0.0003	46797	27.70	526.16	27.74	526.22
13A4300N	13A	G002YR24HR	12.44	43.79	40.75	0.0003	18197	12.36	190.70	12.44	189.75
13A4300N	13A	G010YR24HR	12.45	44.77	40.75	0.0003	21190	12.38	282.85	12.45	282.13
13A4300N	13A	G025YR24HR	32.36	45.37	40.75	0.0003	140344	12.33	359.06	32.36	354.50
13A4300N	13A	G100YR24HR	27.73	46.48	40.75	0.0003	170806	27.44	526.22	27.70	526.16
13A4400N	13A	G002YR24HR	12.55	44.39	43.15	0.0003	22954	12.65	155.99	12.71	157.30
13A4400N	13A	G010YR24HR	35.08	45.49	43.15	0.0003	25652	34.98	271.71	35.06	271.70
13A4400N	13A	G025YR24HR	32.17	46.24	43.15	0.0003	41572	31.92	354.53	32.08	354.52
13A4400N	13A	G100YR24HR	27.59	47.28	43.15	0.0003	44025	27.38	526.23	27.44	526.22
13A4600N	13A	G002YR24HR	12.56	44.76	45.35	-0.0003	10331	12.56	151.37	12.61	151.50
13A4600N	13A	G010YR24HR	35.18	45.95	45.35	-0.0003	42337	35.36	248.22	35.47	248.24
13A4600N	13A	G025YR24HR	32.78	46.74	45.35	-0.0003	60770	34.08	322.07	34.19	322.16
13A4600N	13A	G100YR24HR	28.66	47.89	45.35	-0.0003	87734	31.41	466.96	31.51	467.23

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A4700N	13A	G002YR24HR	12.56	45.58	43.95	0.0004	70779	12.14	168.16	12.56	151.37
13A4700N	13A	G010YR24HR	35.26	46.58	43.95	0.0004	113696	35.14	248.22	35.36	248.22
13A4700N	13A	G025YR24HR	33.19	47.18	43.95	0.0004	129557	33.86	321.96	34.08	322.07
13A4700N	13A	G100YR24HR	29.23	48.25	43.95	0.0010	158230	61.90	871.19	31.41	466.96
13A4800N	13A	G002YR24HR	12.57	45.65	47.65	0.0003	5110	38.70	137.22	38.72	137.22
13A4800N	13A	G010YR24HR	35.24	46.67	47.65	0.0003	6517	35.12	248.22	35.14	248.22
13A4800N	13A	G025YR24HR	33.23	47.24	47.65	0.0003	7886	33.85	321.96	33.86	321.96
13A4800N	13A	G100YR24HR	29.46	48.51	47.65	-0.0158	16825	31.18	466.56	61.90	871.19
13A5000N	13A	G002YR24HR	12.58	45.93	47.65	0.0003	15660	38.67	137.22	38.70	137.22
13A5000N	13A	G010YR24HR	35.21	47.12	47.65	0.0003	19981	35.07	248.22	35.12	248.22
13A5000N	13A	G025YR24HR	33.42	47.78	47.65	0.0003	23275	33.80	321.95	33.85	321.96
13A5000N	13A	G100YR24HR	29.88	49.31	47.65	-0.0006	27022	31.14	466.51	31.18	466.56
13A5050N	13A	G002YR24HR	38.66	46.14	0.00	0.0003	16349	38.78	137.37	38.67	137.22
13A5050N	13A	G010YR24HR	35.16	47.44	0.00	0.0003	23891	35.01	248.23	35.07	248.22
13A5050N	13A	G025YR24HR	33.54	48.10	0.00	0.0003	34932	33.72	321.94	33.80	321.95
13A5050N	13A	G100YR24HR	30.00	49.46	0.00	0.0003	47287	31.05	466.44	31.14	466.51
13A5100N	13A	G002YR24HR	38.63	46.45	48.85	0.0003	10196	38.44	137.23	38.49	137.23
13A5100N	13A	G010YR24HR	35.06	47.74	48.85	0.0003	21435	34.56	239.70	34.65	239.68
13A5100N	13A	G025YR24HR	33.55	48.31	48.85	0.0003	27496	33.54	266.25	33.62	266.25
13A5100N	13A	G100YR24HR	30.09	49.60	48.85	0.0003	37344	30.83	390.94	30.90	390.98
13A5200N	13A	G002YR24HR	38.50	47.15	49.75	0.0005	15328	38.73	138.82	38.44	137.23
13A5200N	13A	G010YR24HR	34.86	48.49	49.75	0.0005	23923	40.20	241.02	34.56	239.70
13A5200N	13A	G025YR24HR	33.55	49.00	49.75	0.0005	28500	33.45	266.25	33.54	266.25
13A5200N	13A	G100YR24HR	30.34	50.22	49.75	0.0005	36496	30.76	390.91	30.83	390.94
13A5300N	13A	G002YR24HR	36.81	47.50	51.35	0.0009	6939	34.29	138.46	34.32	138.45
13A5300N	13A	G010YR24HR	33.48	48.93	51.35	0.0009	7831	31.88	250.59	31.91	250.57
13A5300N	13A	G025YR24HR	31.72	49.54	51.35	0.0009	8248	30.67	324.82	30.67	324.80
13A5300N	13A	G100YR24HR	29.40	50.58	51.35	0.0009	10840	26.45	472.28	26.46	472.22
13A5320P	13A	G002YR24HR	12.96	49.48	51.55	0.0003	7261	12.08	6.48	12.96	2.05
13A5320P	13A	G010YR24HR	12.44	51.05	51.55	0.0005	8733	12.08	18.16	12.44	11.86
13A5320P	13A	G025YR24HR	12.30	51.53	51.55	0.0006	9191	12.08	27.65	12.29	22.15
13A5320P	13A	G100YR24HR	12.10	51.85	51.55	0.0005	9490	12.08	45.63	12.10	44.84
13A5400N	13A	G002YR24HR	35.16	48.33	51.65	0.0013	9387	34.25	138.46	34.29	138.45
13A5400N	13A	G010YR24HR	32.51	49.95	51.65	0.0013	12492	31.84	250.61	31.88	250.59
13A5400N	13A	G025YR24HR	30.95	50.79	51.65	0.0013	14854	30.62	324.97	30.66	324.83
13A5400N	13A	G100YR24HR	26.64	52.21	51.65	0.0013	20220	26.40	472.36	26.44	472.32
13A5500N	13A	G002YR24HR	34.84	48.75	55.45	0.0014	9672	34.21	138.46	34.25	138.46
13A5500N	13A	G010YR24HR	32.34	50.39	55.45	0.0014	19648	31.77	250.63	31.84	250.61
13A5500N	13A	G025YR24HR	30.88	51.24	55.45	0.0014	28978	30.84	454.80	30.62	324.97
13A5500N	13A	G100YR24HR	26.58	52.67	55.45	0.0018	36128	45.61	715.04	26.40	472.36
13A5600N	13A	G002YR24HR	34.46	49.35	53.15	0.0013	4827	34.19	138.46	34.21	138.46
13A5600N	13A	G010YR24HR	32.17	50.75	53.15	0.0016	8609	31.73	250.14	31.76	250.13
13A5600N	13A	G025YR24HR	30.86	51.73	53.15	0.0017	11109	30.46	308.57	30.90	438.33
13A5600N	13A	G100YR24HR	26.59	52.95	53.15	-0.0049	13554	26.62	410.34	45.61	678.44
13A5800N	13A	G002YR24HR	34.33	50.04	52.35	0.0044	3623	34.18	138.46	34.19	138.46
13A5800N	13A	G010YR24HR	32.04	51.46	52.35	0.0044	4782	31.71	250.14	31.73	250.14
13A5800N	13A	G025YR24HR	30.70	52.49	52.35	0.0044	6484	30.42	308.40	30.46	308.57

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A5800N	13A	G100YR24HR	26.59	53.41	52.35	0.0044	9365	26.60	410.34	26.62	410.34
13A6000P	13A	G002YR24HR	34.21	51.49	51.95	0.0000	637348	12.08	144.78	34.18	138.46
13A6000P	13A	G010YR24HR	31.86	52.51	51.95	0.0001	842592	29.89	251.49	31.72	250.64
13A6000P	13A	G025YR24HR	30.64	53.04	51.95	0.0001	1015265	28.73	326.80	30.49	324.87
13A6000P	13A	G100YR24HR	26.60	53.78	51.95	0.0001	1277813	25.79	469.09	26.60	465.54
13B0200N	13B	G002YR24HR	12.47	15.58	14.95	0.0002	454	12.47	58.28	12.47	58.28
13B0200N	13B	G010YR24HR	12.43	15.94	14.95	-0.0002	454	12.43	113.37	12.43	113.37
13B0200N	13B	G025YR24HR	12.45	16.15	14.95	0.0002	454	12.45	154.19	12.45	154.19
13B0200N	13B	G100YR24HR	12.53	16.42	14.95	0.0002	454	12.53	214.31	12.53	214.31
13B0400N	13B	G002YR24HR	12.47	15.94	17.95	0.0002	6450	12.42	55.88	12.46	55.19
13B0400N	13B	G010YR24HR	12.42	17.24	17.95	0.0004	7977	12.34	106.81	12.41	104.95
13B0400N	13B	G025YR24HR	12.43	18.49	17.95	0.0006	10008	12.31	144.79	12.42	140.98
13B0400N	13B	G100YR24HR	12.50	20.71	17.95	0.0008	15581	12.32	199.58	12.50	190.93
13B0500N	13B	G002YR24HR	12.42	18.63	18.05	0.0004	19196	12.34	58.76	12.42	55.88
13B0500N	13B	G010YR24HR	12.33	19.27	18.05	0.0004	22602	12.25	104.86	12.35	102.96
13B0500N	13B	G025YR24HR	12.38	19.69	18.05	0.0004	26322	12.26	141.54	12.32	135.55
13B0500N	13B	G100YR24HR	12.49	21.04	18.05	0.0003	36614	12.24	208.00	12.36	178.53
13B0600N	13B	G002YR24HR	12.26	22.13	22.05	0.0005	8348	12.25	53.11	12.34	57.82
13B0600N	13B	G010YR24HR	12.09	22.52	22.05	0.0006	11254	12.25	97.88	12.26	98.63
13B0600N	13B	G025YR24HR	12.25	22.70	22.05	0.0006	13218	12.25	129.97	12.26	130.01
13B0600N	13B	G100YR24HR	12.27	23.03	22.05	0.0004	15039	12.25	186.45	12.26	185.29
13C0100N	13C	G002YR24HR	15.37	15.02	13.25	0.0007	83371	16.00	176.15	16.12	179.94
13C0100N	13C	G010YR24HR	15.63	16.51	13.25	0.0007	113318	18.04	297.00	18.32	306.03
13C0100N	13C	G025YR24HR	15.71	17.35	13.25	0.0007	127936	17.80	367.48	17.86	376.61
13C0100N	13C	G100YR24HR	16.17	18.47	13.25	0.0007	147495	22.26	663.81	22.28	667.21
13C0200N	13C	G002YR24HR	15.41	15.11	14.95	0.0012	46160	15.92	173.19	16.01	174.79
13C0200N	13C	G010YR24HR	15.65	16.54	14.95	0.0012	57750	17.97	291.55	18.06	295.37
13C0200N	13C	G025YR24HR	15.72	17.37	14.95	0.0012	57750	17.79	361.08	17.81	365.25
13C0200N	13C	G100YR24HR	16.17	18.49	14.95	0.0012	57750	22.25	660.42	22.26	661.79
13C0300N	13C	G002YR24HR	15.54	15.36	15.75	0.0014	25294	15.88	172.66	15.92	173.19
13C0300N	13C	G010YR24HR	15.68	16.65	15.75	0.0014	28500	17.93	290.11	17.97	291.55
13C0300N	13C	G025YR24HR	15.76	17.44	15.75	0.0014	28500	17.77	359.25	17.79	361.08
13C0300N	13C	G100YR24HR	16.22	18.55	15.75	0.0014	28500	22.24	659.82	22.25	660.42
13C0500N	13C	G002YR24HR	15.65	15.73	14.35	0.0013	45488	15.83	172.37	15.88	172.66
13C0500N	13C	G010YR24HR	15.85	16.99	14.35	0.0013	78738	17.81	287.47	17.93	290.11
13C0500N	13C	G025YR24HR	15.86	17.78	14.35	0.0013	85717	17.70	354.83	17.77	359.25
13C0500N	13C	G100YR24HR	18.08	19.03	14.35	0.0013	94783	22.18	658.48	22.24	659.82
13C0600N	13C	G002YR24HR	15.67	15.83	15.85	0.0014	52308	15.50	171.82	15.83	171.82
13C0600N	13C	G010YR24HR	15.87	17.10	15.85	0.0014	110553	17.68	284.03	17.82	286.83
13C0600N	13C	G025YR24HR	15.88	17.88	15.85	0.0014	144723	17.64	347.96	17.70	353.98
13C0600N	13C	G100YR24HR	20.63	19.19	15.85	0.0014	214809	22.17	655.48	22.18	657.67
13C0800N	13C	G002YR24HR	15.22	16.96	17.55	0.0004	62453	14.96	111.23	15.04	110.65
13C0800N	13C	G010YR24HR	15.39	17.78	17.55	0.0001	91052	15.10	214.85	15.20	212.71
13C0800N	13C	G025YR24HR	15.40	18.34	17.55	-0.0001	117578	14.53	307.17	14.64	300.12
13C0800N	13C	G100YR24HR	17.69	19.36	17.55	0.0002	164724	14.20	473.35	14.33	456.17
13C1000N	13C	G002YR24HR	15.11	17.31	17.75	-0.0006	18272	12.33	112.43	14.96	111.09

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C1000N	13C	G010YR24HR	15.15	19.56	17.75	-0.0006	51080	14.96	216.17	15.10	214.61
13C1000N	13C	G025YR24HR	14.65	19.95	17.75	-0.0006	60601	14.49	307.42	14.54	306.82
13C1000N	13C	G100YR24HR	14.32	20.30	17.75	-0.0006	70119	14.16	473.82	14.20	472.81
13C1100N	13C	G002YR24HR	14.88	19.82	20.85	0.0006	56982	14.64	111.14	14.88	110.25
13C1100N	13C	G010YR24HR	15.03	21.02	20.85	0.0006	132926	14.68	218.56	14.96	214.17
13C1100N	13C	G025YR24HR	14.52	21.48	20.85	0.0006	168184	14.23	308.40	14.50	304.46
13C1100N	13C	G100YR24HR	14.18	22.05	20.85	0.0006	205342	14.01	472.90	14.17	469.36
13C1200N	13C	G002YR24HR	14.58	23.64	25.85	0.0003	109762	14.29	106.82	14.70	106.01
13C1200N	13C	G010YR24HR	14.35	24.19	25.85	-0.0002	157977	14.72	209.06	14.76	210.37
13C1200N	13C	G025YR24HR	14.11	24.47	25.85	-0.0002	172832	14.11	293.95	14.27	296.20
13C1200N	13C	G100YR24HR	13.89	24.91	25.85	-0.0002	193469	13.92	450.71	14.04	454.20
13C1300N	13C	G002YR24HR	14.05	25.13	25.13	0.0002	61560	14.24	104.55	14.30	105.39
13C1300N	13C	G010YR24HR	14.45	25.72	25.13	0.0001	113178	14.30	206.44	14.72	207.04
13C1300N	13C	G025YR24HR	14.14	26.04	25.13	0.0001	129398	14.05	291.21	14.13	290.79
13C1300N	13C	G100YR24HR	13.94	26.52	25.13	0.0001	156441	13.80	447.53	13.93	446.10
13C1350N	13C	G002YR24HR	14.26	26.26	25.95	0.0002	107738	14.00	103.55	14.26	102.63
13C1350N	13C	G010YR24HR	14.31	26.82	25.95	0.0001	199349	14.00	206.44	14.31	203.83
13C1350N	13C	G025YR24HR	14.06	27.17	25.95	0.0001	253117	13.70	293.42	14.05	287.82
13C1350N	13C	G100YR24HR	13.83	27.63	25.95	0.0001	324029	13.58	448.08	13.82	442.87
13C1400N	13C	G002YR24HR	13.85	27.11	28.95	0.0002	35004	13.55	58.67	13.64	58.32
13C1400N	13C	G010YR24HR	13.98	27.55	28.95	0.0001	69962	13.66	114.98	13.82	113.45
13C1400N	13C	G025YR24HR	13.61	27.83	28.95	0.0001	81025	13.27	180.27	13.36	176.59
13C1400N	13C	G100YR24HR	13.35	28.21	28.95	0.0001	92723	13.02	294.75	13.08	288.54
13C1500N	13C	G002YR24HR	13.58	28.08	29.75	0.0002	9681	13.55	57.44	13.60	57.44
13C1500N	13C	G010YR24HR	13.62	28.72	29.75	0.0002	26925	13.62	112.93	13.68	113.06
13C1500N	13C	G025YR24HR	13.21	29.15	29.75	0.0002	32686	13.23	176.53	13.29	177.14
13C1500N	13C	G100YR24HR	12.92	29.60	29.75	0.0003	40327	13.00	286.91	13.04	288.67
13C1700N	13C	G002YR24HR	13.55	28.88	29.85	0.0003	33470	12.95	58.29	13.55	57.44
13C1700N	13C	G010YR24HR	13.62	30.13	29.85	0.0003	80687	13.41	113.99	13.62	112.93
13C1700N	13C	G025YR24HR	13.23	30.35	29.85	0.0003	83806	13.15	176.93	13.23	176.53
13C1700N	13C	G100YR24HR	12.99	30.58	29.85	0.0003	85879	12.95	287.18	13.00	286.91
13C1800N	13C	G002YR24HR	13.48	29.22	0.00	0.0002	39277	12.98	58.77	13.22	56.65
13C1800N	13C	G010YR24HR	13.59	30.24	0.00	0.0002	81100	13.20	116.18	13.44	111.88
13C1800N	13C	G025YR24HR	13.21	30.52	0.00	0.0002	92187	13.06	175.49	13.18	173.56
13C1800N	13C	G100YR24HR	12.98	30.85	0.00	0.0002	104669	12.89	282.18	12.98	280.68
13C1850N	13C	G002YR24HR	13.55	29.41	31.65	0.0001	29110	13.41	34.24	13.71	34.24
13C1850N	13C	G010YR24HR	13.65	30.34	31.65	0.0002	56972	14.22	63.32	14.31	64.77
13C1850N	13C	G025YR24HR	13.31	30.64	31.65	0.0002	66855	13.42	87.19	13.59	88.91
13C1850N	13C	G100YR24HR	13.15	31.00	31.65	0.0002	78670	13.44	130.81	13.52	133.71
13C1900N	13C	G002YR24HR	13.93	29.49	31.75	0.0003	55986	12.72	103.74	14.82	16.05
13C1900N	13C	G010YR24HR	14.05	30.38	31.75	0.0005	77954	14.58	34.47	14.69	36.35
13C1900N	13C	G025YR24HR	13.41	30.67	31.75	0.0004	86115	14.50	50.31	14.68	52.03
13C1900N	13C	G100YR24HR	13.32	31.04	31.75	0.0004	94834	11.71	123.48	14.63	80.03
13C2000N	13C	G002YR24HR	13.48	31.28	34.65	-0.0005	27390	13.15	10.23	12.72	101.77
13C2000N	13C	G010YR24HR	13.62	31.52	34.65	-0.0006	33734	13.22	19.17	31.74	25.87
13C2000N	13C	G025YR24HR	13.58	31.66	34.65	-0.0005	36760	13.36	25.04	44.44	25.49
13C2000N	13C	G100YR24HR	13.47	31.90	34.65	-0.0005	41676	13.35	40.85	11.71	113.47

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C2200P	13C	G002YR24HR	13.16	31.96	33.95	0.0001	34938	12.42	18.24	13.15	10.23
13C2200P	13C	G010YR24HR	13.24	32.79	33.95	0.0002	74591	12.42	36.87	13.22	19.17
13C2200P	13C	G025YR24HR	13.37	33.32	33.95	0.0002	94927	12.42	51.69	13.36	25.04
13C2200P	13C	G100YR24HR	13.35	34.14	33.95	0.0002	123230	12.42	81.31	13.35	40.85
13C2400P	13C	G002YR24HR	23.79	31.94	35.48	0.0000	480728	12.08	84.78	24.12	2.66
13C2400P	13C	G010YR24HR	20.43	32.80	35.48	0.0001	480728	12.08	167.33	26.26	6.35
13C2400P	13C	G025YR24HR	21.20	33.50	35.48	0.0001	480728	12.08	228.82	26.31	7.80
13C2400P	13C	G100YR24HR	22.82	34.78	35.48	0.0002	480728	12.08	339.60	26.67	10.01
13D0150N	13D	G002YR24HR	14.17	32.24	31.95	0.0005	21758	12.35	164.28	12.36	159.36
13D0150N	13D	G010YR24HR	14.24	33.35	31.95	0.0004	55811	12.26	304.17	12.26	295.37
13D0150N	13D	G025YR24HR	14.11	33.97	31.95	0.0004	73486	12.25	403.00	12.26	381.18
13D0150N	13D	G100YR24HR	13.88	34.72	31.95	0.0003	94775	12.24	577.73	12.30	541.75
13D0170P	13D	G002YR24HR	14.30	32.25	31.95	0.0001	66887	12.17	18.99	15.58	4.86
13D0170P	13D	G010YR24HR	14.41	33.36	31.95	0.0003	115059	12.08	33.46	15.81	10.72
13D0170P	13D	G025YR24HR	14.30	33.98	31.95	0.0003	142158	12.08	43.74	16.39	12.75
13D0170P	13D	G100YR24HR	14.10	34.74	31.95	0.0002	175246	12.08	61.73	16.06	12.90
13D0200N	13D	G002YR24HR	12.36	33.44	34.35	0.0009	7054	12.34	166.92	12.35	166.60
13D0200N	13D	G010YR24HR	12.27	34.73	34.35	0.0012	7935	12.25	320.56	12.26	320.04
13D0200N	13D	G025YR24HR	12.26	35.38	34.35	0.0011	8344	12.23	423.38	12.25	422.81
13D0200N	13D	G100YR24HR	12.25	36.24	34.35	0.0009	8620	12.22	603.47	12.23	602.90
13D0310N	13D	G002YR24HR	12.31	37.15	38.35	0.0022	454	12.30	85.84	12.31	85.84
13D0310N	13D	G010YR24HR	12.23	37.45	38.35	0.0023	454	12.22	90.68	12.23	90.68
13D0310N	13D	G025YR24HR	12.20	37.62	38.35	0.0022	454	12.19	93.35	12.20	93.34
13D0310N	13D	G100YR24HR	12.22	38.07	38.35	0.0020	442	12.06	96.34	12.06	96.15
13D0330N	13D	G002YR24HR	12.34	38.82	38.37	0.0023	2185	12.33	165.45	12.34	165.44
13D0330N	13D	G010YR24HR	12.25	39.26	38.37	0.0024	2185	12.25	317.67	12.25	317.66
13D0330N	13D	G025YR24HR	12.24	39.50	38.37	0.0024	2185	12.24	419.50	12.24	419.51
13D0330N	13D	G100YR24HR	12.22	39.88	38.37	0.0020	2185	12.22	597.89	12.22	597.88
13D0400N	13D	G002YR24HR	12.35	38.92	38.37	0.0009	5426	12.37	118.56	12.38	118.67
13D0400N	13D	G010YR24HR	12.25	39.38	38.37	0.0010	5836	12.25	229.41	12.26	229.48
13D0400N	13D	G025YR24HR	12.23	39.64	38.37	0.0009	8558	12.22	303.56	12.23	303.47
13D0400N	13D	G100YR24HR	12.22	40.05	38.37	0.0004	9345	12.21	433.19	12.22	433.05
13D0500N	13D	G002YR24HR	12.35	39.00	41.65	0.0008	5093	12.36	118.48	12.37	118.56
13D0500N	13D	G010YR24HR	12.25	39.56	41.65	0.0009	5359	12.25	229.49	12.25	229.41
13D0500N	13D	G025YR24HR	12.23	39.89	41.65	0.0009	6342	12.21	303.67	12.22	303.56
13D0500N	13D	G100YR24HR	12.21	40.28	41.65	0.0006	6694	12.20	433.32	12.21	433.19
13D0700N	13D	G002YR24HR	12.40	40.26	41.18	0.0011	8219	12.34	95.32	12.41	94.27
13D0700N	13D	G010YR24HR	12.25	41.54	41.18	0.0012	9416	12.25	181.91	12.26	181.88
13D0700N	13D	G025YR24HR	12.22	41.70	41.18	0.0011	9599	12.21	240.82	12.22	240.78
13D0700N	13D	G100YR24HR	12.21	41.90	41.18	0.0008	9849	12.20	343.84	12.21	343.80
13D0750N	13D	G002YR24HR	12.39	40.56	44.95	0.0004	10464	12.25	94.22	12.35	90.37
13D0750N	13D	G010YR24HR	12.26	41.87	44.95	0.0006	12582	12.25	172.23	12.26	172.09
13D0750N	13D	G025YR24HR	12.23	42.16	44.95	0.0007	13041	12.21	227.48	12.25	227.45
13D0750N	13D	G100YR24HR	12.22	42.61	44.95	0.0008	13727	12.19	324.83	12.22	324.59
13D0800N	13D	G002YR24HR	12.37	41.21	45.55	0.0003	2755	12.33	52.24	12.35	51.84
13D0800N	13D	G010YR24HR	12.28	42.30	45.55	0.0004	3749	12.33	96.25	12.34	96.39

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13D0800N	13D	G025YR24HR	12.27	42.66	45.55	0.0005	3999	12.33	127.81	12.34	128.01
13D0800N	13D	G100YR24HR	12.26	43.20	45.55	0.0006	4377	12.33	183.39	12.33	183.71
13F0200N	13F	G002YR24HR	24.98	46.04	0.00	0.0002	6029	25.36	14.83	25.37	14.83
13F0200N	13F	G010YR24HR	32.20	46.41	0.00	0.0002	6785	25.90	25.37	25.86	25.35
13F0200N	13F	G025YR24HR	24.96	46.89	0.00	0.0002	7595	24.58	45.06	24.62	45.04
13F0200N	13F	G100YR24HR	24.35	47.61	0.00	0.0002	8681	19.34	90.56	19.35	90.48
13F0400P	13F	G002YR24HR	25.36	46.93	47.75	0.0000	1980593	12.62	134.80	25.36	14.83
13F0400P	13F	G010YR24HR	25.90	47.65	47.75	0.0000	2341182	12.58	259.64	25.90	25.37
13F0400P	13F	G025YR24HR	24.58	48.02	47.75	0.0000	2515736	12.58	353.77	24.58	45.06
13F0400P	13F	G100YR24HR	20.10	48.37	47.75	0.0001	2613803	12.51	509.19	19.34	90.56
13F0410P	13F	G002YR24HR	12.62	49.40	50.95	0.0001	27969	12.08	14.34	12.62	6.35
13F0410P	13F	G010YR24HR	12.30	49.76	50.95	0.0002	31504	12.08	27.95	12.30	21.29
13F0410P	13F	G025YR24HR	12.23	49.94	50.95	0.0001	33211	12.08	37.86	12.23	31.66
13F0410P	13F	G100YR24HR	12.19	50.17	50.95	0.0001	35475	12.08	55.43	12.19	48.71
13F0420P	13F	G002YR24HR	12.78	49.43	51.55	0.0000	80436	12.08	14.67	12.78	4.57
13F0420P	13F	G010YR24HR	12.65	49.72	51.55	0.0001	92712	12.08	27.61	12.65	10.62
13F0420P	13F	G025YR24HR	12.64	49.91	51.55	0.0001	100507	12.08	36.93	12.64	14.47
13F0420P	13F	G100YR24HR	12.75	50.28	51.55	0.0001	115435	12.08	53.36	12.75	16.08
13F0430P	13F	G002YR24HR	13.03	49.76	52.75	0.0000	319062	12.17	57.57	13.03	19.50
13F0430P	13F	G010YR24HR	12.83	50.03	52.75	0.0001	330298	12.17	94.34	12.83	41.28
13F0430P	13F	G025YR24HR	12.77	50.19	52.75	0.0001	336780	12.17	120.10	12.77	57.43
13F0430P	13F	G100YR24HR	12.71	50.44	52.75	0.0001	346852	12.17	165.18	12.71	86.11
13F0440P	13F	G002YR24HR	14.20	49.18	50.95	0.0000	33579	12.87	7.45	14.20	5.76
13F0440P	13F	G010YR24HR	13.51	49.48	50.95	0.0001	35120	13.13	15.87	13.51	14.90
13F0440P	13F	G025YR24HR	13.40	49.62	50.95	0.0001	35885	13.11	21.79	13.40	20.98
13F0440P	13F	G100YR24HR	13.37	49.82	50.95	0.0001	36874	13.14	30.94	13.37	30.31
13F0450P	13F	G002YR24HR	14.10	49.21	50.95	0.0001	20864	12.75	10.83	12.93	7.04
13F0450P	13F	G010YR24HR	13.34	49.71	50.95	0.0001	22390	12.75	19.50	13.16	15.45
13F0450P	13F	G025YR24HR	13.24	50.09	50.95	0.0001	23536	12.75	25.69	13.15	21.26
13F0450P	13F	G100YR24HR	13.22	50.77	50.95	0.0001	25619	12.75	36.56	13.18	30.26
13F0700N	13F	G002YR24HR	12.92	50.76	50.58	0.0001	44347	12.48	13.14	12.92	11.97
13F0700N	13F	G010YR24HR	12.78	50.99	50.58	0.0001	55184	12.58	31.84	12.78	31.50
13F0700N	13F	G025YR24HR	12.67	51.09	50.58	0.0001	57308	12.58	49.72	12.67	49.46
13F0700N	13F	G100YR24HR	12.50	51.21	50.58	0.0001	59808	12.42	82.64	12.50	82.31
13F0750N	13F	G002YR24HR	1.06	53.51	0.00	0.0002	36576	17.50	9.82	17.58	9.82
13F0750N	13F	G010YR24HR	15.69	53.71	0.00	0.0002	43732	15.58	23.50	15.64	23.48
13F0750N	13F	G025YR24HR	16.99	53.81	0.00	0.0002	47548	16.58	32.55	16.69	32.53
13F0750N	13F	G100YR24HR	17.47	54.00	0.00	0.0002	54660	16.58	52.38	16.71	52.33
13F0800N	13F	G002YR24HR	17.69	54.11	0.00	0.0010	4469	17.62	9.51	17.67	9.51
13F0800N	13F	G010YR24HR	15.94	54.50	0.00	0.0010	5913	15.90	22.72	15.93	22.72
13F0800N	13F	G025YR24HR	16.90	54.70	0.00	0.0010	7166	16.84	31.68	16.90	31.68
13F0800N	13F	G100YR24HR	17.02	54.95	0.00	0.0010	10014	17.02	51.12	17.04	51.12
13F1000P	13F	G002YR24HR	17.64	54.37	56.80	0.0000	698394	12.90	51.12	17.62	9.51
13F1000P	13F	G010YR24HR	15.90	55.14	56.80	0.0001	834986	12.32	231.88	15.90	22.72
13F1000P	13F	G025YR24HR	16.82	55.72	56.80	0.0001	958053	12.25	342.56	16.84	31.68
13F1000P	13F	G100YR24HR	17.02	56.77	56.80	0.0002	1180395	12.22	529.16	17.02	51.12

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13F1154P	13F	G002YR24HR	28.50	71.40	66.45	0.0001	2178	12.92	0.93	0.00	0.00
13F1154P	13F	G010YR24HR	28.50	92.65	66.45	0.0006	2178	12.67	4.97	0.00	0.00
13F1154P	13F	G025YR24HR	28.50	112.48	66.45	0.0010	2178	12.67	9.14	0.00	0.00
13F1154P	13F	G100YR24HR	28.50	153.69	66.45	0.0021	2178	12.58	18.07	0.00	0.00
13F1158P	13F	G002YR24HR	26.50	5.87	0.00	0.0002	2178	12.42	1.32	0.00	0.00
13F1158P	13F	G010YR24HR	26.50	20.82	0.00	0.0007	2178	12.33	5.75	0.00	0.00
13F1158P	13F	G025YR24HR	26.50	34.28	0.00	0.0012	2178	12.25	10.06	0.00	0.00
13F1158P	13F	G100YR24HR	26.50	61.71	0.00	0.0022	2178	12.25	18.82	0.00	0.00
13F1300P	13F	G002YR24HR	12.98	55.23	55.15	0.0001	146845	12.08	76.50	12.98	22.25
13F1300P	13F	G010YR24HR	12.30	55.45	55.15	0.0002	150591	12.08	139.65	12.30	116.93
13F1300P	13F	G025YR24HR	16.79	55.72	55.15	0.0002	155477	12.08	184.94	12.19	173.76
13F1300P	13F	G100YR24HR	17.00	56.78	55.15	0.0001	159430	12.08	264.79	12.16	253.56
13F1374P	13F	G002YR24HR	17.70	64.97	65.45	0.0003	35191	12.17	11.06	17.70	0.75
13F1374P	13F	G010YR24HR	12.66	65.10	65.45	0.0004	37240	12.17	23.29	12.66	13.72
13F1374P	13F	G025YR24HR	22.52	65.50	65.45	0.0004	43663	12.17	32.44	12.38	27.40
13F1374P	13F	G100YR24HR	13.54	65.65	65.45	0.0002	46118	12.17	48.91	12.22	47.40
13F1378P	13F	G002YR24HR	72.00	60.78	65.75	0.0000	44675	12.42	6.12	0.00	0.00
13F1378P	13F	G010YR24HR	72.00	64.17	65.75	0.0002	58864	12.61	29.38	0.00	0.00
13F1378P	13F	G025YR24HR	22.52	65.50	65.75	0.0003	64408	12.36	57.54	0.00	0.00
13F1378P	13F	G100YR24HR	13.54	65.66	65.75	0.0005	65079	12.25	100.10	0.00	0.00
13G0100N	13G	G002YR24HR	12.77	46.28	0.00	0.0004	11379	12.80	21.15	12.86	21.34
13G0100N	13G	G010YR24HR	35.18	47.44	0.00	0.0004	17911	12.75	36.96	12.82	36.78
13G0100N	13G	G025YR24HR	33.56	48.15	0.00	0.0004	20658	33.81	55.68	33.96	55.69
13G0100N	13G	G100YR24HR	30.02	49.48	0.00	0.0004	35889	31.87	75.45	46.44	95.34
13G0200N	13G	G002YR24HR	12.79	47.05	0.00	0.0002	4367	12.74	21.19	12.80	21.15
13G0200N	13G	G010YR24HR	12.77	47.76	0.00	0.0002	5169	12.70	37.09	12.75	36.96
13G0200N	13G	G025YR24HR	33.65	48.58	0.00	0.0002	5832	33.77	55.68	33.81	55.68
13G0200N	13G	G100YR24HR	30.15	49.71	0.00	0.0002	8274	31.72	75.43	31.87	75.45
13G0400N	13G	G002YR24HR	12.79	47.08	50.45	0.0002	9420	12.61	21.76	12.74	21.19
13G0400N	13G	G010YR24HR	12.76	47.80	50.45	0.0002	12285	12.59	38.09	12.70	37.09
13G0400N	13G	G025YR24HR	33.68	48.83	50.45	0.0002	50755	33.24	55.69	33.77	55.68
13G0400N	13G	G100YR24HR	30.38	50.17	50.45	0.0002	59930	30.46	75.37	31.72	75.43
13G0500N	13G	G002YR24HR	12.75	47.25	48.15	0.0002	21646	12.33	24.47	12.68	20.39
13G0500N	13G	G010YR24HR	12.73	47.99	48.15	0.0002	34639	12.33	42.90	12.65	35.66
13G0500N	13G	G025YR24HR	33.63	48.93	48.15	0.0002	57426	12.33	56.05	12.64	47.54
13G0500N	13G	G100YR24HR	30.38	50.19	48.15	0.0002	83208	12.33	80.92	12.50	74.82
13G0600N	13G	G002YR24HR	12.74	47.28	0.00	0.0002	9002	12.08	8.97	12.16	5.32
13G0600N	13G	G010YR24HR	12.71	48.02	0.00	0.0002	11861	12.08	15.70	12.14	9.90
13G0600N	13G	G025YR24HR	33.61	48.93	0.00	0.0002	15027	12.08	20.46	12.13	13.29
13G0600N	13G	G100YR24HR	30.38	50.19	0.00	0.0002	24033	12.08	28.77	12.13	19.29
13G1200P	13G	G002YR24HR	38.52	47.15	0.00	0.0001	955481	12.08	137.06	14.94	6.26
13G1200P	13G	G010YR24HR	34.89	48.49	0.00	0.0001	1118389	12.08	231.50	60.84	10.20
13G1200P	13G	G025YR24HR	33.58	48.99	0.00	0.0001	1171274	12.08	298.48	72.00	10.54
13G1200P	13G	G100YR24HR	30.37	50.21	0.00	0.0002	1291449	12.08	416.32	8.39	4.58
13G2000N	13G	G002YR24HR	38.47	47.15	0.00	0.0005	13771	12.23	7.58	12.23	6.26
13G2000N	13G	G010YR24HR	34.86	48.49	0.00	0.0005	21510	12.22	11.41	12.23	6.92
13G2000N	13G	G025YR24HR	33.55	49.00	0.00	0.0005	25314	12.05	10.84	13.80	4.37

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13G2000N	13G	G100YR24HR	30.35	50.22	0.00	0.0005	43951	11.83	7.82	11.33	1.92
13G2100N	13G	G002YR24HR	38.52	47.15	0.00	0.0005	10499	12.25	8.60	12.23	7.58
13G2100N	13G	G010YR24HR	34.86	48.49	0.00	0.0005	18049	12.22	14.75	12.22	11.41
13G2100N	13G	G025YR24HR	33.57	48.99	0.00	0.0005	21701	12.05	16.07	12.05	10.84
13G2100N	13G	G100YR24HR	30.36	50.22	0.00	0.0005	45221	11.83	12.36	11.83	7.82
13H0150P	13H	G002YR24HR	13.75	55.07	61.05	0.0001	52272	12.08	19.04	13.75	2.14
13H0150P	13H	G010YR24HR	13.90	56.19	61.05	0.0002	52272	12.08	36.47	13.90	3.51
13H0150P	13H	G025YR24HR	14.11	57.06	61.05	0.0002	52272	12.08	49.08	14.11	4.28
13H0150P	13H	G100YR24HR	12.92	58.19	61.05	0.0003	52272	12.08	71.39	12.92	15.52
13H0350P	13H	G002YR24HR	24.37	55.88	60.05	0.0001	69696	12.08	15.81	14.80	0.45
13H0350P	13H	G010YR24HR	24.11	56.59	60.05	0.0001	69696	12.08	31.25	13.68	1.44
13H0350P	13H	G025YR24HR	18.67	57.17	60.05	0.0001	69696	12.08	42.54	13.71	1.99
13H0350P	13H	G100YR24HR	13.07	57.84	60.05	0.0002	69696	12.08	62.62	13.06	10.50
13I0300N	13I	G002YR24HR	33.55	51.71	57.32	0.0039	4851	26.89	44.96	26.92	44.94
13I0300N	13I	G010YR24HR	31.34	52.81	57.32	0.0039	5072	30.38	74.20	30.41	74.19
13I0300N	13I	G025YR24HR	30.38	53.37	57.32	0.0039	5359	33.18	91.00	33.18	91.01
13I0300N	13I	G100YR24HR	27.70	54.12	57.32	0.0039	5365	33.99	112.13	34.07	112.15
13I0400N	13I	G002YR24HR	27.03	53.51	0.00	-0.0002	4533	27.00	44.96	27.03	44.96
13I0400N	13I	G010YR24HR	30.42	54.08	0.00	-0.0002	4901	30.36	74.20	30.38	74.20
13I0400N	13I	G025YR24HR	32.82	54.37	0.00	-0.0002	5084	33.16	91.00	33.18	91.00
13I0400N	13I	G100YR24HR	31.23	54.80	0.00	-0.0002	5344	33.96	112.12	33.99	112.13
13I0610P	13I	G002YR24HR	24.29	54.75	58.95	0.0001	12173	12.42	2.41	24.22	0.64
13I0610P	13I	G010YR24HR	15.49	55.81	58.95	0.0001	13954	12.33	6.60	15.40	4.79
13I0610P	13I	G025YR24HR	14.64	56.67	58.95	0.0002	15398	12.45	10.96	14.58	9.86
13I0610P	13I	G100YR24HR	33.96	58.51	58.95	0.0003	18475	12.69	22.99	13.97	20.56
13I0620P	13I	G002YR24HR	24.29	54.75	60.95	0.0001	51045	12.50	8.39	24.50	0.57
13I0620P	13I	G010YR24HR	15.48	55.81	60.95	0.0001	55357	12.42	24.55	14.79	4.00
13I0620P	13I	G025YR24HR	14.64	56.69	60.95	0.0002	58897	12.42	38.15	13.94	8.64
13I0620P	13I	G100YR24HR	33.95	58.51	60.95	0.0003	66243	12.42	64.20	13.71	18.72
13I0700N	13I	G002YR24HR	27.95	56.71	0.00	-0.0018	3366	28.47	44.45	27.95	31.06
13I0700N	13I	G010YR24HR	19.91	57.55	0.00	-0.0018	3748	19.90	67.74	19.91	67.74
13I0700N	13I	G025YR24HR	20.56	58.27	0.00	-0.0018	4288	20.54	111.74	20.56	111.73
13I0700N	13I	G100YR24HR	19.43	59.08	0.00	-0.0016	5922	19.41	174.23	19.43	174.23
13I0900N	13I	G002YR24HR	27.92	56.85	61.40	0.0013	4552	18.58	29.27	28.47	44.45
13I0900N	13I	G010YR24HR	19.91	57.71	61.40	0.0013	5658	19.73	67.75	19.90	67.74
13I0900N	13I	G025YR24HR	20.55	59.69	61.40	0.0014	11809	20.53	133.41	20.54	111.74
13I0900N	13I	G100YR24HR	19.41	62.55	61.40	0.0015	18921	13.73	201.60	19.41	174.23
13I1000N	13I	G002YR24HR	19.18	59.12	0.00	0.0008	4945	31.09	40.82	18.70	28.75
13I1000N	13I	G010YR24HR	20.02	60.08	0.00	0.0025	6487	19.95	66.88	20.00	66.87
13I1000N	13I	G025YR24HR	20.55	60.81	0.00	0.0019	11119	20.42	110.74	20.55	132.38
13I1000N	13I	G100YR24HR	19.37	62.84	0.00	0.0019	14215	19.02	172.54	13.73	196.43
13I1500P	13I	G002YR24HR	12.78	62.42	65.25	0.0002	31768	12.42	144.29	12.59	123.50
13I1500P	13I	G010YR24HR	12.72	64.49	65.25	0.0005	38808	12.68	227.43	12.70	227.13
13I1500P	13I	G025YR24HR	12.63	64.65	65.25	0.0006	39575	12.61	327.51	12.63	327.38
13I1500P	13I	G100YR24HR	12.65	64.84	65.25	0.0007	40500	12.64	514.50	12.65	514.44
13I1502N	13I	G002YR24HR	12.80	62.94	63.38	0.0003	474	14.74	37.78	14.71	37.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13I1502N	13I	G010YR24HR	13.57	65.03	63.38	-0.0005	24799	15.24	46.29	14.95	50.52
13I1502N	13I	G025YR24HR	13.56	65.39	63.38	0.0006	28425	13.47	43.54	15.50	48.61
13I1502N	13I	G100YR24HR	13.34	65.76	63.38	0.0006	32113	13.00	47.87	13.63	47.11
13I1504N	13I	G002YR24HR	12.82	63.35	63.78	0.0014	486	14.80	37.65	14.78	37.71
13I1504N	13I	G010YR24HR	13.66	65.55	63.78	-0.0016	71228	12.94	48.13	15.24	46.19
13I1504N	13I	G025YR24HR	13.54	66.08	63.78	-0.0013	93275	12.80	67.86	13.48	43.30
13I1504N	13I	G100YR24HR	13.22	66.55	63.78	-0.0014	113958	12.62	99.23	13.02	47.33
13I1506N	13I	G002YR24HR	12.96	64.94	65.05	0.0022	2557	14.85	37.45	14.83	37.51
13I1506N	13I	G010YR24HR	13.31	66.00	65.05	0.0015	22679	16.09	36.28	16.07	36.34
13I1506N	13I	G025YR24HR	13.24	66.26	65.05	-0.0014	28181	12.34	33.83	16.79	32.86
13I1506N	13I	G100YR24HR	13.12	66.59	65.05	-0.0014	35142	12.29	38.28	11.51	33.31
13I1508N	13I	G002YR24HR	12.97	65.10	65.05	-0.0032	451	14.39	19.15	14.37	19.21
13I1508N	13I	G010YR24HR	13.31	66.00	65.05	-0.0021	451	15.90	18.55	15.88	18.62
13I1508N	13I	G025YR24HR	13.26	66.26	65.05	-0.0021	451	11.89	17.93	11.88	17.36
13I1508N	13I	G100YR24HR	13.14	66.59	65.05	-0.0021	451	11.71	18.23	11.63	17.89
13I1510N	13I	G002YR24HR	12.98	65.35	65.65	-0.0042	464	12.03	19.78	14.39	19.15
13I1510N	13I	G010YR24HR	13.30	66.00	65.65	-0.0043	21019	12.87	30.82	12.94	29.51
13I1510N	13I	G025YR24HR	13.29	66.25	65.65	-0.0027	29233	12.71	47.63	12.84	44.72
13I1510N	13I	G100YR24HR	13.15	66.60	65.65	0.0026	39140	12.66	81.58	12.67	74.70
13I1512N	13I	G002YR24HR	13.02	65.36	65.65	0.0031	1171	15.69	32.71	15.69	32.76
13I1512N	13I	G010YR24HR	13.30	66.01	65.65	0.0030	6351	16.92	31.47	16.92	31.51
13I1512N	13I	G025YR24HR	13.24	66.26	65.65	0.0024	8695	17.45	27.77	11.24	28.16
13I1512N	13I	G100YR24HR	13.12	66.59	65.65	-0.0021	11753	10.41	25.92	10.24	27.96
13I1514P	13I	G002YR24HR	13.62	65.72	65.95	0.0004	324220	12.33	93.75	14.02	34.84
13I1514P	13I	G010YR24HR	13.19	66.15	65.95	0.0002	406274	12.33	161.48	13.17	79.39
13I1514P	13I	G025YR24HR	13.01	66.32	65.95	0.0002	428565	12.33	209.20	12.95	120.34
13I1514P	13I	G100YR24HR	12.98	66.59	65.95	-0.0002	463519	12.33	292.69	12.72	191.59
13J0300N	13J	G002YR24HR	12.36	60.44	61.97	0.0006	2838	12.33	74.37	12.36	74.27
13J0300N	13J	G010YR24HR	12.25	61.49	61.97	0.0007	13875	12.23	126.17	12.25	125.85
13J0300N	13J	G025YR24HR	12.21	61.66	61.97	0.0007	16412	12.19	158.67	12.21	158.37
13J0300N	13J	G100YR24HR	12.18	61.87	61.97	0.0005	19507	12.17	211.39	12.18	211.07
13J0320N	13J	G002YR24HR	12.44	62.10	0.00	0.0003	710	12.44	68.63	12.44	68.62
13J0320N	13J	G010YR24HR	12.25	63.33	0.00	-0.0047	450	12.25	114.06	12.25	114.06
13J0320N	13J	G025YR24HR	12.20	64.05	0.00	-0.0047	1208	12.20	142.05	12.20	141.88
13J0320N	13J	G100YR24HR	12.18	65.14	0.00	-0.0043	1794	12.17	186.78	12.18	186.71
13J0340N	13J	G002YR24HR	12.46	63.06	65.05	0.0003	1137	12.45	67.84	12.44	67.83
13J0340N	13J	G010YR24HR	12.25	64.98	65.05	0.0044	482	12.24	112.14	12.25	112.13
13J0340N	13J	G025YR24HR	12.20	66.02	65.05	0.0046	2710	12.18	139.76	12.20	139.31
13J0340N	13J	G100YR24HR	12.17	66.70	65.05	0.0043	4219	12.17	183.00	12.17	182.76
13J0360N	13J	G002YR24HR	12.86	63.74	66.95	0.0002	2236	12.84	56.58	12.86	56.53
13J0360N	13J	G010YR24HR	12.28	65.83	66.95	0.0019	1779	12.84	82.91	12.95	86.21
13J0360N	13J	G025YR24HR	13.05	67.23	66.95	0.0025	2410	13.04	107.45	13.09	107.62
13J0360N	13J	G100YR24HR	12.88	67.82	66.95	0.0024	6418	12.88	147.29	12.90	147.37
13J0400N	13J	G002YR24HR	12.84	68.23	72.25	0.0002	1847	12.83	56.64	12.84	56.58
13J0400N	13J	G010YR24HR	12.84	68.86	72.25	0.0002	1587	12.83	83.00	12.84	82.91
13J0400N	13J	G025YR24HR	13.05	71.77	72.25	0.0023	845	13.04	107.50	13.04	107.45
13J0400N	13J	G100YR24HR	12.88	73.24	72.25	0.0032	4860	12.83	147.52	12.88	147.29

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J0600N	13J	G002YR24HR	12.51	71.55	74.35	0.0002	4461	12.45	44.45	12.50	44.31
13J0600N	13J	G010YR24HR	12.21	72.22	74.35	0.0003	4900	12.11	62.35	12.21	61.41
13J0600N	13J	G025YR24HR	13.09	72.88	74.35	-0.0008	5432	12.08	71.61	12.17	70.39
13J0600N	13J	G100YR24HR	12.92	74.58	74.35	0.0013	22056	12.90	242.32	12.64	94.80
13J0640N	13J	G002YR24HR	15.39	73.10	0.00	-0.0005	4060	21.18	43.60	15.10	40.62
13J0640N	13J	G010YR24HR	13.70	73.25	0.00	0.0004	4154	12.34	49.12	12.33	49.07
13J0640N	13J	G025YR24HR	13.09	73.40	0.00	0.0007	6244	12.98	63.28	12.97	63.09
13J0640N	13J	G100YR24HR	12.93	75.55	0.00	-0.0032	10965	12.64	88.95	12.93	236.28
13J0680N	13J	G002YR24HR	15.35	73.47	0.00	0.0029	544	15.19	40.34	21.18	43.47
13J0680N	13J	G010YR24HR	13.67	73.77	0.00	-0.0030	455	13.64	46.74	13.65	46.73
13J0680N	13J	G025YR24HR	13.09	74.10	0.00	0.0030	455	12.85	54.65	13.28	54.65
13J0680N	13J	G100YR24HR	12.92	75.80	0.00	0.0029	455	14.42	54.45	14.41	54.49
13J0700N	13J	G002YR24HR	15.28	74.25	75.03	0.0003	582	15.18	40.34	15.19	40.34
13J0700N	13J	G010YR24HR	13.66	75.15	75.03	-0.0006	1193	13.59	46.75	13.64	46.74
13J0700N	13J	G025YR24HR	13.01	76.18	75.03	-0.0006	4374	12.98	61.42	13.00	61.37
13J0700N	13J	G100YR24HR	12.91	76.56	75.03	0.0016	4374	12.65	83.61	12.91	83.42
13J0800N	13J	G002YR24HR	15.24	75.07	76.25	0.0003	5117	14.99	40.35	15.18	40.34
13J0800N	13J	G010YR24HR	13.64	76.22	76.25	0.0004	9946	12.95	68.95	13.59	46.75
13J0800N	13J	G025YR24HR	12.99	76.47	76.25	0.0004	18065	12.43	71.73	12.98	61.47
13J0800N	13J	G100YR24HR	12.91	76.61	76.25	0.0006	19163	12.65	85.12	12.90	84.93
13J0900N	13J	G002YR24HR	15.24	75.26	0.00	0.0016	8887	14.99	39.85	15.26	39.84
13J0900N	13J	G010YR24HR	13.64	76.24	0.00	0.0016	19371	12.92	48.39	12.95	66.11
13J0900N	13J	G025YR24HR	12.99	76.50	0.00	0.0016	30767	12.90	58.32	16.08	62.72
13J0900N	13J	G100YR24HR	12.92	76.65	0.00	0.0016	37738	12.84	79.73	12.94	79.54
13J1000N	13J	G002YR24HR	15.17	76.22	76.15	-0.0014	1239	14.95	39.85	14.99	39.85
13J1000N	13J	G010YR24HR	13.39	76.75	76.15	-0.0014	1691	12.92	48.43	12.92	48.39
13J1000N	13J	G025YR24HR	12.93	76.84	76.15	-0.0014	2484	12.89	58.33	12.90	58.32
13J1000N	13J	G100YR24HR	12.86	76.93	76.15	-0.0014	2566	12.83	79.74	12.84	79.73
13J1100N	13J	G002YR24HR	15.18	76.23	76.15	0.0043	964	17.59	37.86	17.59	37.87
13J1100N	13J	G010YR24HR	13.40	76.76	76.15	0.0036	1329	25.50	39.38	25.50	39.40
13J1100N	13J	G025YR24HR	12.93	76.84	76.15	0.0036	1411	26.02	40.05	26.00	40.07
13J1100N	13J	G100YR24HR	12.87	76.94	76.15	0.0040	1497	13.24	41.70	13.24	41.73
13J1300N	13J	G002YR24HR	15.62	76.61	77.05	0.0015	3035	17.58	37.82	17.59	37.86
13J1300N	13J	G010YR24HR	13.76	77.06	77.05	0.0014	36263	25.50	39.32	25.50	39.38
13J1300N	13J	G025YR24HR	13.43	77.17	77.05	-0.0014	39185	26.04	40.01	26.02	40.05
13J1300N	13J	G100YR24HR	13.11	77.41	77.05	-0.0015	52681	12.80	43.82	13.24	41.70
13J1400N	13J	G002YR24HR	15.68	76.65	77.05	0.0046	19503	16.36	37.81	16.51	37.94
13J1400N	13J	G010YR24HR	13.88	77.08	77.05	0.0046	46409	14.32	49.04	14.55	49.49
13J1400N	13J	G025YR24HR	13.48	77.19	77.05	0.0046	46867	13.89	55.04	14.00	55.51
13J1400N	13J	G100YR24HR	13.12	77.42	77.05	0.0046	50276	12.97	72.82	13.15	72.12
13J1600N	13J	G002YR24HR	15.83	76.86	75.95	-0.0035	93407	14.66	38.23	16.36	37.81
13J1600N	13J	G010YR24HR	14.11	77.42	75.95	-0.0035	130990	12.37	63.52	14.32	49.04
13J1600N	13J	G025YR24HR	13.73	77.61	75.95	-0.0035	141868	12.31	79.05	13.89	55.04
13J1600N	13J	G100YR24HR	13.03	77.84	75.95	-0.0035	156789	12.50	96.19	12.97	72.82
13J1800N	13J	G002YR24HR	15.66	77.15	76.95	0.0003	21250	14.15	38.80	14.66	38.23
13J1800N	13J	G010YR24HR	13.89	77.73	76.95	0.0003	46314	12.71	85.36	12.75	82.10

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J1800N	13J	G025YR24HR	13.37	77.92	76.95	0.0003	54151	12.36	120.46	12.57	113.21
13J1800N	13J	G100YR24HR	12.64	78.26	76.95	0.0002	67087	12.48	202.17	12.56	194.00
13J1820P	13J	G002YR24HR	13.53	80.12	82.05	0.0002	28312	12.50	17.77	13.52	9.15
13J1820P	13J	G010YR24HR	13.13	81.23	82.05	0.0002	31556	12.50	36.28	13.76	24.56
13J1820P	13J	G025YR24HR	13.05	82.01	82.05	0.0002	47938	12.50	50.16	13.05	35.36
13J1820P	13J	G100YR24HR	12.53	82.18	82.05	0.0003	47938	12.42	75.37	12.53	74.59
13J1900N	13J	G002YR24HR	15.95	77.46	81.75	-0.0002	3429	16.86	31.84	16.89	31.87
13J1900N	13J	G010YR24HR	15.50	78.09	81.75	0.0002	3870	16.52	56.81	16.53	56.83
13J1900N	13J	G025YR24HR	15.47	78.34	81.75	0.0007	3821	16.43	72.42	16.41	72.44
13J1900N	13J	G100YR24HR	16.57	78.65	81.75	0.0007	4052	17.08	98.09	17.09	98.10
13J2100N	13J	G002YR24HR	16.39	77.81	82.26	0.0001	3283	16.87	31.49	16.91	31.51
13J2100N	13J	G010YR24HR	16.33	78.65	82.26	0.0002	3422	16.54	56.24	16.56	56.25
13J2100N	13J	G025YR24HR	16.47	79.30	82.26	-0.0007	3338	16.44	71.71	16.47	71.71
13J2100N	13J	G100YR24HR	17.10	80.24	82.26	-0.0007	3670	17.06	97.21	17.10	97.21
13J2200P	13J	G002YR24HR	16.97	80.13	78.45	0.0001	681954	12.33	156.34	16.87	31.49
13J2200P	13J	G010YR24HR	16.55	81.16	78.45	0.0001	1028490	12.33	260.95	16.54	56.24
13J2200P	13J	G025YR24HR	16.44	81.65	78.45	0.0001	1226758	12.34	339.59	16.44	71.71
13J2200P	13J	G100YR24HR	17.06	82.31	78.45	0.0001	1513348	12.25	466.26	17.06	97.21
13J2220P	13J	G002YR24HR	14.08	81.30	84.15	0.0001	75408	12.67	35.49	14.06	18.73
13J2220P	13J	G010YR24HR	14.08	82.77	84.15	0.0002	162918	12.68	79.34	14.06	37.15
13J2220P	13J	G025YR24HR	14.63	83.49	84.15	0.0003	285835	12.51	124.05	13.54	43.59
13J2220P	13J	G100YR24HR	15.19	84.43	84.15	0.0004	467737	12.42	179.06	12.69	44.91
13J2221P	13J	G002YR24HR	14.60	87.10	87.45	0.0001	94835	12.23	22.34	14.60	2.49
13J2221P	13J	G010YR24HR	12.86	87.46	87.45	0.0001	100377	12.15	42.95	12.86	16.82
13J2221P	13J	G025YR24HR	12.47	87.55	87.45	0.0001	101136	12.14	55.42	12.47	41.41
13J2221P	13J	G100YR24HR	12.25	87.63	87.45	0.0001	101774	12.12	77.13	12.25	73.29
13J2222P	13J	G002YR24HR	12.36	88.39	89.20	0.0001	36754	12.08	19.36	12.36	13.17
13J2222P	13J	G010YR24HR	12.24	88.64	89.20	0.0001	39521	12.08	31.68	12.24	25.56
13J2222P	13J	G025YR24HR	12.23	88.76	89.20	0.0001	40976	12.08	40.32	12.23	33.08
13J2222P	13J	G100YR24HR	12.22	88.97	89.20	0.0001	43292	12.08	55.43	12.22	45.94
13J2231N	13J	G002YR24HR	16.59	80.18	0.00	-0.0009	495	12.50	42.42	12.50	42.26
13J2231N	13J	G010YR24HR	13.80	81.39	0.00	-0.0009	495	12.53	57.37	12.54	57.17
13J2231N	13J	G025YR24HR	14.05	82.00	0.00	-0.0009	495	12.65	56.74	12.68	56.58
13J2231N	13J	G100YR24HR	14.70	82.76	0.00	-0.0017	495	12.63	57.15	12.66	56.98
13J2232N	13J	G002YR24HR	13.48	80.48	81.45	0.0005	450	12.50	41.83	12.50	41.68
13J2232N	13J	G010YR24HR	13.19	82.30	81.45	0.0005	450	12.94	76.18	12.94	76.14
13J2232N	13J	G025YR24HR	13.42	82.94	81.45	0.0005	450	13.11	86.59	13.11	86.54
13J2232N	13J	G100YR24HR	13.83	83.71	81.45	0.0011	450	13.26	95.38	13.27	95.34
13J2233P	13J	G002YR24HR	13.52	81.94	81.85	0.0001	58616	13.08	19.11	13.52	17.91
13J2233P	13J	G010YR24HR	13.20	82.33	81.85	0.0001	89501	12.92	43.95	13.50	44.02
13J2233P	13J	G025YR24HR	13.42	82.96	81.85	0.0001	142726	12.83	58.40	13.92	53.53
13J2233P	13J	G100YR24HR	13.84	83.73	81.85	0.0002	341445	12.83	79.62	14.78	61.14
13J2234P	13J	G002YR24HR	14.05	82.85	83.45	0.0001	40849	12.42	12.90	14.05	4.19
13J2234P	13J	G010YR24HR	13.25	83.29	83.45	0.0001	69298	12.42	24.25	13.25	13.01
13J2234P	13J	G025YR24HR	13.26	83.56	83.45	0.0001	90925	12.42	32.45	13.00	17.22
13J2234P	13J	G100YR24HR	13.55	84.01	83.45	0.0001	135717	12.42	46.91	12.84	21.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K0250N	13K	G002YR24HR	12.22	58.04	0.00	0.0007	510	12.22	80.51	12.22	80.51
13K0250N	13K	G010YR24HR	12.10	58.36	0.00	0.0005	510	12.08	90.31	12.10	90.30
13K0250N	13K	G025YR24HR	12.09	58.46	0.00	0.0004	510	12.08	93.08	12.09	93.05
13K0250N	13K	G100YR24HR	12.09	58.61	0.00	0.0004	510	12.08	97.20	12.09	97.16
13K0400N	13K	G002YR24HR	12.26	60.27	60.67	0.0010	7729	12.08	82.04	12.32	74.39
13K0400N	13K	G010YR24HR	12.15	60.85	60.67	0.0010	11551	12.15	89.52	12.17	89.56
13K0400N	13K	G025YR24HR	12.10	60.90	60.67	0.0010	11865	12.08	100.59	12.10	100.46
13K0400N	13K	G100YR24HR	13.74	61.21	60.67	0.0010	20160	13.73	246.43	13.74	246.43
13K0550N	13K	G002YR24HR	12.24	61.08	64.95	0.0065	494	12.09	72.69	12.54	72.63
13K0550N	13K	G010YR24HR	12.20	61.87	64.95	-0.0056	471	11.87	75.90	12.21	74.96
13K0550N	13K	G025YR24HR	15.89	62.30	64.95	-0.0057	471	15.78	88.28	15.80	88.28
13K0550N	13K	G100YR24HR	13.64	62.76	64.95	-0.0057	471	12.42	96.64	12.42	96.52
13K0650N	13K	G002YR24HR	12.24	61.68	64.35	0.0018	552	12.09	62.88	12.09	62.59
13K0650N	13K	G010YR24HR	12.61	63.02	64.35	0.0065	4627	13.52	72.14	14.54	72.25
13K0650N	13K	G025YR24HR	15.92	64.46	64.35	0.0064	25119	15.87	97.09	15.92	97.06
13K0650N	13K	G100YR24HR	13.75	65.02	64.35	0.0066	44589	13.72	241.40	13.75	241.32
13K0750N	13K	G002YR24HR	12.23	62.69	64.95	0.0021	1373	12.08	63.87	12.09	62.88
13K0750N	13K	G010YR24HR	12.80	64.37	64.95	0.0021	102608	12.08	97.88	13.52	72.14
13K0750N	13K	G025YR24HR	15.88	65.25	64.95	0.0022	204796	12.23	125.15	15.87	97.09
13K0750N	13K	G100YR24HR	13.72	65.73	64.95	0.0020	213515	13.56	243.92	13.72	241.40
13K0820N	13K	G002YR24HR	12.76	63.23	62.63	0.0014	2817	13.34	33.67	13.34	34.09
13K0820N	13K	G010YR24HR	12.82	64.41	62.63	0.0015	4773	24.63	34.28	24.64	34.60
13K0820N	13K	G025YR24HR	15.88	65.27	62.63	0.0018	5672	26.55	35.68	26.55	35.94
13K0820N	13K	G100YR24HR	13.72	65.77	62.63	0.0014	6315	28.80	35.84	28.80	36.10
13K0860N	13K	G002YR24HR	12.84	63.42	62.12	0.0006	3222	19.16	20.65	19.07	20.66
13K0860N	13K	G010YR24HR	12.87	64.51	62.12	0.0006	4859	29.46	20.60	29.46	20.65
13K0860N	13K	G025YR24HR	15.88	65.43	62.12	0.0004	5862	32.15	20.59	32.15	20.64
13K0860N	13K	G100YR24HR	13.73	65.91	62.12	0.0004	6489	34.44	20.59	34.44	20.64
13K0900P	13K	G002YR24HR	12.85	63.37	63.95	0.0002	52584	12.08	16.19	13.34	6.77
13K0900P	13K	G010YR24HR	12.81	64.40	63.95	0.0003	82516	12.08	26.81	13.55	9.75
13K0900P	13K	G025YR24HR	15.88	65.26	63.95	0.0003	100588	12.08	34.25	15.88	12.64
13K0900P	13K	G100YR24HR	13.72	65.76	63.95	0.0004	112237	13.22	72.44	13.66	68.35
13K1100N	13K	G002YR24HR	12.93	64.34	67.75	0.0008	2667	13.14	26.37	13.34	26.60
13K1100N	13K	G010YR24HR	13.45	65.90	67.75	0.0008	4273	14.23	34.24	14.32	34.37
13K1100N	13K	G025YR24HR	15.73	67.20	67.75	0.0008	5605	14.76	37.15	22.31	37.21
13K1100N	13K	G100YR24HR	13.60	67.52	67.75	0.0008	5935	12.65	37.04	25.09	37.27
13K1150P	13K	G002YR24HR	12.95	64.69	62.45	0.0006	49935	12.17	35.23	13.27	6.05
13K1150P	13K	G010YR24HR	13.70	66.47	62.45	0.0005	88613	12.13	66.80	14.26	7.85
13K1150P	13K	G025YR24HR	15.56	67.87	62.45	0.0004	118899	12.13	87.99	14.82	8.49
13K1150P	13K	G100YR24HR	13.33	68.13	62.45	0.0004	124718	12.10	124.82	21.48	8.46
13K1300N	13K	G002YR24HR	12.94	64.69	67.75	0.0008	10230	12.25	42.02	12.24	39.10
13K1300N	13K	G010YR24HR	13.69	66.48	67.75	-0.0006	20786	12.17	73.18	12.20	59.59
13K1300N	13K	G025YR24HR	15.54	67.87	67.75	-0.0006	30450	12.17	92.31	12.19	73.34
13K1300N	13K	G100YR24HR	13.33	68.13	67.75	-0.0006	32452	12.28	130.25	12.28	102.45
13K1500N	13K	G002YR24HR	12.25	73.73	0.00	0.0003	5281	12.13	24.32	12.25	23.20
13K1500N	13K	G010YR24HR	12.15	74.31	0.00	0.0003	5853	12.08	39.96	12.15	39.00
13K1500N	13K	G025YR24HR	12.14	74.57	0.00	0.0003	6117	12.08	48.10	12.14	46.97

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K1500N	13K	G100YR24HR	12.12	74.94	0.00	-0.0003	6512	13.55	78.10	13.59	78.06
13K1600N	13K	G002YR24HR	18.50	74.62	0.00	0.0003	2956	18.50	19.46	18.53	19.46
13K1600N	13K	G010YR24HR	16.00	74.97	0.00	0.0003	3046	17.09	25.31	17.04	25.31
13K1600N	13K	G025YR24HR	12.16	75.10	0.00	0.0003	3132	14.58	27.52	14.63	27.52
13K1600N	13K	G100YR24HR	12.14	75.39	0.00	0.0003	3263	13.50	33.08	12.34	33.20
13K1750N	13K	G002YR24HR	18.51	74.72	0.00	-0.0004	18561	18.19	18.89	18.75	18.90
13K1750N	13K	G010YR24HR	16.01	75.07	0.00	-0.0004	18561	16.60	38.77	16.39	38.94
13K1750N	13K	G025YR24HR	14.67	75.13	0.00	-0.0004	18561	14.77	46.02	14.81	46.05
13K1750N	13K	G100YR24HR	13.60	75.46	0.00	-0.0004	20730	13.59	77.23	13.66	77.33
13K2000N	13K	G002YR24HR	20.17	79.09	0.00	0.0000	3485	20.09	4.15	20.17	4.15
13K2000N	13K	G010YR24HR	20.23	79.38	0.00	0.0000	3640	20.14	6.54	20.23	6.54
13K2000N	13K	G025YR24HR	20.22	79.53	0.00	0.0000	3738	20.14	8.24	20.22	8.24
13K2000N	13K	G100YR24HR	20.31	79.73	0.00	0.0001	3868	20.23	10.80	20.31	10.80
13K2240P	13K	G002YR24HR	12.41	80.33	0.00	0.0001	43560	12.08	23.56	12.41	14.19
13K2240P	13K	G010YR24HR	12.23	80.59	0.00	0.0001	43560	12.08	37.79	12.23	31.00
13K2240P	13K	G025YR24HR	12.21	80.72	0.00	0.0001	43560	12.08	47.77	12.21	40.50
13K2240P	13K	G100YR24HR	12.19	80.91	0.00	0.0001	43560	12.08	65.27	12.19	56.64
13K3050P	13K	G002YR24HR	12.57	78.23	0.00	0.0000	276768	12.08	39.18	12.57	23.12
13K3050P	13K	G010YR24HR	12.99	78.44	0.00	0.0000	305961	12.54	79.02	12.99	62.21
13K3050P	13K	G025YR24HR	12.70	78.54	0.00	0.0001	320706	12.29	116.20	12.70	90.26
13K3050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	340651	12.08	170.31	12.46	137.93
13K3200P	13K	G002YR24HR	12.56	80.87	81.95	0.0001	20583	12.42	34.17	12.56	32.01
13K3200P	13K	G010YR24HR	12.53	81.38	81.95	0.0002	21233	12.33	54.52	12.53	51.78
13K3200P	13K	G025YR24HR	12.52	81.69	81.95	0.0002	21642	12.33	68.82	12.52	65.71
13K3200P	13K	G100YR24HR	12.42	82.02	81.95	0.0002	21980	12.33	93.92	12.42	93.69
13K4050P	13K	G002YR24HR	14.37	78.23	0.00	0.0001	395673	12.10	58.06	14.78	11.09
13K4050P	13K	G010YR24HR	13.01	78.44	0.00	0.0001	415065	12.08	95.04	13.26	41.30
13K4050P	13K	G025YR24HR	12.71	78.54	0.00	0.0001	424303	12.08	120.58	12.83	61.14
13K4050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	436892	12.08	167.03	12.49	106.88
13K4200P	13K	G002YR24HR	12.20	80.56	85.95	0.0009	124	12.17	24.25	12.18	24.18
13K4200P	13K	G010YR24HR	12.97	81.70	85.95	-0.0215	105493	12.17	50.03	12.94	25.19
13K4200P	13K	G025YR24HR	13.08	82.32	85.95	-0.0234	170994	12.30	88.55	13.24	27.30
13K4200P	13K	G100YR24HR	13.23	83.01	85.95	-0.0241	254643	12.17	158.02	13.60	29.59
13K4400P	13K	G002YR24HR	12.72	81.20	82.15	0.0002	32671	12.08	24.52	12.71	7.72
13K4400P	13K	G010YR24HR	12.60	82.46	82.15	0.0003	32671	12.08	39.68	12.59	16.27
13K4400P	13K	G025YR24HR	12.35	82.63	82.15	0.0003	32671	12.08	50.30	12.34	34.02
13K4400P	13K	G100YR24HR	13.22	83.02	82.15	0.0004	32671	12.08	68.91	12.16	61.65
13L0020N	13L	G002YR24HR	12.10	53.44	53.95	0.0016	783	12.08	9.26	12.10	9.09
13L0020N	13L	G010YR24HR	12.08	54.08	53.95	0.0016	559	12.08	17.29	12.08	17.26
13L0020N	13L	G025YR24HR	12.08	54.15	53.95	0.0016	559	12.08	23.68	12.08	23.66
13L0020N	13L	G100YR24HR	14.34	54.50	53.95	0.0052	496	12.08	35.79	12.08	35.77
13L0040P	13L	G002YR24HR	24.30	53.05	53.23	0.0000	601710	12.25	92.79	4.04	2.95
13L0040P	13L	G010YR24HR	24.28	53.82	53.23	0.0001	688071	12.25	165.19	22.87	3.40
13L0040P	13L	G025YR24HR	18.73	54.13	53.23	0.0001	739781	12.25	220.32	60.20	2.98
13L0040P	13L	G100YR24HR	14.33	54.57	53.23	0.0001	828218	12.25	316.67	1.70	18.64
13L0200N	13L	G002YR24HR	30.81	51.88	54.35	0.0000	10502	25.85	81.67	25.88	81.63

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L0200N	13L	G010YR24HR	29.10	53.01	54.35	0.0001	11696	24.41	161.15	24.28	158.88
13L0200N	13L	G025YR24HR	29.05	53.56	54.35	0.0012	12079	43.57	210.43	26.82	197.99
13L0200N	13L	G100YR24HR	27.67	54.28	54.35	0.0011	17179	28.42	289.17	28.43	289.18
13L0400N	13L	G002YR24HR	30.54	51.90	54.85	0.0000	39946	25.87	81.84	26.00	81.67
13L0400N	13L	G010YR24HR	28.83	53.04	54.85	0.0001	41019	24.91	158.45	24.41	160.13
13L0400N	13L	G025YR24HR	28.42	53.78	54.85	-0.0003	39875	26.72	198.21	43.57	210.43
13L0400N	13L	G100YR24HR	28.07	54.74	54.85	-0.0003	39875	28.36	289.14	28.42	289.17
13L0820P	13L	G002YR24HR	30.50	51.91	53.95	0.0001	49435	12.25	35.44	12.39	33.90
13L0820P	13L	G010YR24HR	28.79	53.05	53.95	0.0001	72362	12.25	60.79	12.33	59.70
13L0820P	13L	G025YR24HR	28.40	53.78	53.95	0.0001	89972	12.25	78.63	12.31	77.50
13L0820P	13L	G100YR24HR	28.07	54.75	53.95	0.0001	135947	12.25	109.83	12.25	104.38
13L1020P	13L	G002YR24HR	14.70	54.65	56.35	0.0001	160094	12.33	34.31	14.70	5.98
13L1020P	13L	G010YR24HR	13.06	54.93	56.35	0.0001	167915	12.33	58.70	13.06	32.97
13L1020P	13L	G025YR24HR	12.80	55.03	56.35	0.0001	171150	12.33	75.86	12.80	54.48
13L1020P	13L	G100YR24HR	12.60	55.17	56.35	0.0001	175432	12.33	105.88	12.60	92.04
13L1202N	GEE	G002YR24HR	12.88	60.54	60.58	0.0002	25352	12.33	11.57	12.65	8.37
13L1202N	GEE	G010YR24HR	13.61	61.60	60.58	0.0001	61106	12.33	23.90	12.09	9.43
13L1202N	GEE	G025YR24HR	13.98	62.26	60.58	0.0001	73072	12.33	33.08	11.88	9.09
13L1202N	GEE	G100YR24HR	14.45	63.27	60.58	0.0002	91907	12.33	49.55	11.68	8.58
13L1203N	GEE	G002YR24HR	12.87	60.50	60.65	-0.0017	1039	12.65	9.83	12.76	8.83
13L1203N	GEE	G010YR24HR	13.61	61.60	60.65	0.0042	4826	12.09	12.11	12.92	9.06
13L1203N	GEE	G025YR24HR	13.98	62.26	60.65	0.0028	5879	11.88	11.13	12.98	9.14
13L1203N	GEE	G100YR24HR	14.45	63.26	60.65	-0.0027	7413	12.33	12.50	13.21	9.21
13L1400N	13L	G002YR24HR	24.55	52.22	53.95	0.0001	9153	15.15	119.94	15.17	119.79
13L1400N	13L	G010YR24HR	24.83	53.36	53.95	0.0001	10166	15.61	247.15	15.62	246.92
13L1400N	13L	G025YR24HR	25.69	54.09	53.95	0.0001	10177	15.08	324.15	15.09	323.91
13L1400N	13L	G100YR24HR	26.41	55.15	53.95	0.0002	10194	14.18	454.00	13.86	454.00
13L1600N	13L	G002YR24HR	16.67	52.44	53.95	0.0001	4690	15.14	120.00	15.15	119.94
13L1600N	13L	G010YR24HR	17.74	53.65	53.95	0.0001	4794	15.60	247.23	15.61	247.15
13L1600N	13L	G025YR24HR	24.26	54.32	53.95	0.0002	4799	15.08	324.23	15.08	324.15
13L1600N	13L	G100YR24HR	24.53	55.39	53.95	0.0002	4806	14.17	454.12	14.18	454.00
13L1825N	13L	G002YR24HR	12.73	54.48	57.35	0.0003	10231	12.71	200.09	12.73	200.04
13L1825N	13L	G010YR24HR	13.07	55.25	57.35	-0.0006	11854	13.10	309.80	13.07	318.31
13L1825N	13L	G025YR24HR	13.92	55.70	57.35	-0.0013	13036	12.90	367.55	12.52	367.44
13L1825N	13L	G100YR24HR	13.70	56.96	57.35	-0.0013	15180	12.73	477.56	12.72	473.31
13L1875P	13L	G002YR24HR	12.66	54.90	58.15	0.0002	133784	12.22	191.92	12.56	152.72
13L1875P	13L	G010YR24HR	13.07	55.84	58.15	0.0002	300502	12.25	296.26	13.11	228.63
13L1875P	13L	G025YR24HR	13.87	56.28	58.15	0.0002	397806	12.25	374.64	13.02	292.89
13L1875P	13L	G100YR24HR	13.73	57.04	58.15	0.0002	588946	12.25	513.22	12.78	406.01
13L1895P	13L	G002YR24HR	16.28	55.80	58.25	0.0002	74748	13.52	51.64	16.28	31.02
13L1895P	13L	G010YR24HR	15.77	56.58	58.25	0.0002	87815	20.03	35.45	19.71	37.65
13L1895P	13L	G025YR24HR	15.11	56.99	58.25	0.0003	94059	12.08	63.64	25.24	35.85
13L1895P	13L	G100YR24HR	15.14	57.97	58.25	0.0002	110421	11.63	68.78	15.48	26.19
13L1950P	13L	G002YR24HR	16.27	55.81	55.95	0.0001	1119799	12.59	220.79	16.14	81.22
13L1950P	13L	G010YR24HR	15.76	56.58	55.95	0.0001	1196594	12.41	400.16	16.01	188.44
13L1950P	13L	G025YR24HR	15.11	56.99	55.95	0.0001	1238885	12.33	493.80	15.56	231.58
13L1950P	13L	G100YR24HR	15.14	57.97	55.95	0.0001	1333189	12.61	623.91	15.26	315.77

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L1975P	13L	G002YR24HR	19.29	55.76	55.95	0.0000	210411	12.25	11.30	24.82	1.74
13L1975P	13L	G010YR24HR	15.78	56.59	55.95	0.0001	228933	12.25	17.67	18.97	7.47
13L1975P	13L	G025YR24HR	15.11	56.99	55.95	0.0002	239089	12.97	43.19	24.94	7.76
13L1975P	13L	G100YR24HR	15.12	57.98	55.95	0.0004	266380	12.79	155.64	14.32	133.11
13L2050P	13L	G002YR24HR	13.08	57.28	55.95	0.0022	259113	12.32	126.43	13.06	97.66
13L2050P	13L	G010YR24HR	13.32	58.08	55.95	0.0022	303101	12.21	205.28	13.83	151.03
13L2050P	13L	G025YR24HR	13.11	58.41	55.95	0.0022	313793	12.17	235.07	13.34	172.87
13L2050P	13L	G100YR24HR	13.97	58.89	55.95	0.0023	326887	12.08	278.55	13.93	256.85
13L2150N	13L	G002YR24HR	12.53	60.63	67.25	0.0004	539	12.53	93.91	12.52	93.91
13L2150N	13L	G010YR24HR	12.63	62.54	67.25	0.0006	495	12.62	144.85	12.63	144.85
13L2150N	13L	G025YR24HR	12.55	62.88	67.25	0.0007	494	12.55	152.14	12.55	152.14
13L2150N	13L	G100YR24HR	13.83	68.60	67.25	0.0007	446	13.82	243.83	13.83	243.83
13L2300P	13L	G002YR24HR	12.53	65.05	67.25	0.0002	28402	12.39	94.64	12.53	93.91
13L2300P	13L	G010YR24HR	12.62	66.18	67.25	0.0002	31915	12.29	155.50	12.62	144.85
13L2300P	13L	G025YR24HR	12.55	66.89	67.25	0.0003	39280	12.17	184.92	12.55	152.14
13L2300P	13L	G100YR24HR	13.83	68.82	67.25	0.0005	104732	13.42	259.58	13.82	243.83
13L2400N	13L	G002YR24HR	12.63	67.11	71.05	0.0008	544	12.62	86.78	12.62	86.78
13L2400N	13L	G010YR24HR	12.45	68.92	71.05	0.0008	147	12.44	137.16	12.45	137.16
13L2400N	13L	G025YR24HR	12.36	70.13	71.05	0.0010	147	12.17	154.00	12.18	153.99
13L2400N	13L	G100YR24HR	13.48	72.90	71.05	0.0012	72783	13.28	259.00	13.43	254.27
13L2520P	13L	G002YR24HR	12.17	75.55	78.95	0.0000	5445	12.17	21.56	12.17	21.49
13L2520P	13L	G010YR24HR	12.17	75.72	78.95	0.0001	5445	12.17	42.55	12.17	42.51
13L2520P	13L	G025YR24HR	12.17	75.83	78.95	0.0001	5445	12.17	57.91	12.17	57.91
13L2520P	13L	G100YR24HR	12.11	76.01	78.95	0.0001	5445	12.08	85.67	12.11	85.52
13L2540P	13L	G002YR24HR	12.33	73.22	78.95	0.0002	6534	12.08	10.03	12.33	7.06
13L2540P	13L	G010YR24HR	12.30	73.96	78.95	0.0003	6534	12.08	15.96	12.27	11.74
13L2540P	13L	G025YR24HR	12.21	74.26	78.95	0.0003	6534	12.08	20.12	12.20	16.89
13L2540P	13L	G100YR24HR	12.34	74.95	78.95	0.0004	6534	12.08	27.42	12.11	21.82
13L2560P	13L	G002YR24HR	12.18	82.32	88.95	0.0000	28314	12.08	26.85	12.18	26.54
13L2560P	13L	G010YR24HR	12.17	82.41	88.95	0.0000	28314	12.08	45.34	12.17	44.82
13L2560P	13L	G025YR24HR	12.16	82.47	88.95	0.0000	28314	12.08	58.32	12.16	57.64
13L2560P	13L	G100YR24HR	12.15	82.56	88.95	0.0000	28314	12.08	81.00	12.15	80.09
13L2700N	13L	G002YR24HR	12.56	71.27	74.35	-0.0013	2500	12.58	50.62	12.56	63.01
13L2700N	13L	G010YR24HR	12.93	72.63	74.35	0.0013	3234	12.87	118.43	12.89	118.22
13L2700N	13L	G025YR24HR	12.90	73.99	74.35	-0.0014	3929	12.60	174.02	12.62	173.21
13L2700N	13L	G100YR24HR	12.95	74.64	74.35	-0.0013	7413	12.40	268.91	12.40	268.21
13L2720P	13L	G002YR24HR	12.81	73.65	74.95	0.0001	19225	12.08	10.64	12.73	2.93
13L2720P	13L	G010YR24HR	13.17	74.67	74.95	0.0002	24684	12.08	18.30	12.44	2.86
13L2720P	13L	G025YR24HR	13.75	75.42	74.95	0.0003	27354	12.08	23.69	19.42	2.81
13L2720P	13L	G100YR24HR	12.81	76.15	74.95	0.0003	29282	12.08	33.11	12.81	8.67
13L2750P	13L	G002YR24HR	16.97	77.95	80.50	0.0002	83861	12.17	53.08	16.97	2.92
13L2750P	13L	G010YR24HR	12.88	78.41	80.50	0.0003	87314	12.17	85.97	12.88	38.43
13L2750P	13L	G025YR24HR	12.58	78.68	80.50	0.0003	89417	12.17	109.02	12.58	72.92
13L2750P	13L	G100YR24HR	12.38	79.02	80.50	0.0003	92081	12.17	149.39	12.38	130.00
13L2800N	13L	G002YR24HR	15.48	72.43	77.75	0.0006	4443	15.46	46.21	15.53	46.22
13L2800N	13L	G010YR24HR	12.96	73.20	77.75	0.0006	4892	13.57	74.33	13.60	74.55

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L2800N	13L	G025YR24HR	12.97	74.27	77.75	0.0006	5363	13.18	93.86	13.21	93.97
13L2800N	13L	G100YR24HR	12.99	75.01	77.75	0.0006	6583	13.01	148.16	13.01	148.18
13L3000N	13L	G002YR24HR	15.46	74.28	77.95	0.0004	4125	15.49	46.21	15.46	46.21
13L3000N	13L	G010YR24HR	13.59	74.96	77.95	0.0004	4280	13.57	74.33	13.57	74.33
13L3000N	13L	G025YR24HR	13.19	75.42	77.95	0.0004	4358	13.18	93.87	13.18	93.86
13L3000N	13L	G100YR24HR	13.00	77.54	77.95	0.0004	5060	12.94	148.42	13.01	148.16
13L3100N	13L	G002YR24HR	15.50	74.91	80.75	0.0005	5798	15.46	46.00	15.50	46.00
13L3100N	13L	G010YR24HR	13.60	75.56	80.75	0.0005	5633	13.56	73.71	13.61	73.70
13L3100N	13L	G025YR24HR	13.19	75.98	80.75	0.0005	5703	13.17	92.85	13.19	92.83
13L3100N	13L	G100YR24HR	13.00	77.75	80.75	0.0005	5268	12.78	147.98	12.97	146.36
13L3140P	13L	G002YR24HR	13.66	82.67	84.55	0.0001	184710	12.25	60.52	13.64	13.11
13L3140P	13L	G010YR24HR	13.53	83.46	84.55	0.0001	201234	12.17	102.28	13.51	24.08
13L3140P	13L	G025YR24HR	13.51	84.00	84.55	0.0002	213286	12.17	131.82	13.51	31.21
13L3140P	13L	G100YR24HR	12.88	84.51	84.55	0.0002	229348	12.17	183.48	12.88	87.93
13M0300N	13M	G002YR24HR	15.97	52.08	54.55	0.0001	7079	14.80	21.04	14.88	20.97
13M0300N	13M	G010YR24HR	27.94	53.40	54.55	0.0001	8112	14.21	35.91	14.66	35.64
13M0300N	13M	G025YR24HR	30.50	54.37	54.55	0.0001	11359	13.96	40.19	14.12	39.62
13M0300N	13M	G100YR24HR	37.42	55.60	54.55	0.0001	15336	47.17	42.16	47.39	42.33
13M0850N	13M	G002YR24HR	12.22	52.41	57.28	-0.0020	730	12.21	52.06	12.21	52.04
13M0850N	13M	G010YR24HR	12.19	53.67	57.28	-0.0020	629	12.18	76.26	12.19	76.24
13M0850N	13M	G025YR24HR	27.04	54.59	57.28	-0.0020	489	12.11	81.01	12.12	81.00
13M0850N	13M	G100YR24HR	36.25	55.91	57.28	-0.0020	452	12.16	86.55	12.17	86.55
13M0950N	13M	G002YR24HR	12.21	54.39	56.26	-0.0019	683	12.21	49.70	12.21	49.69
13M0950N	13M	G010YR24HR	12.20	55.25	56.26	-0.0021	557	12.19	72.13	12.20	72.13
13M0950N	13M	G025YR24HR	12.16	55.67	56.26	0.0029	458	12.27	75.56	12.29	75.66
13M0950N	13M	G100YR24HR	12.20	56.46	56.26	-0.0019	458	12.29	79.34	12.31	79.40
13M0970N	13M	G002YR24HR	12.19	55.35	55.81	0.0013	436	12.12	11.83	12.17	11.55
13M0970N	13M	G010YR24HR	12.16	57.03	55.81	0.0014	436	12.09	16.28	12.12	15.78
13M0970N	13M	G025YR24HR	12.13	57.42	55.81	0.0014	436	11.97	16.91	12.01	15.85
13M0970N	13M	G100YR24HR	12.16	57.79	55.81	0.0013	436	11.86	17.01	11.89	15.76
13M0990P	13M	G002YR24HR	12.12	58.17	57.95	0.0001	10890	12.08	14.84	12.12	14.22
13M0990P	13M	G010YR24HR	12.11	58.30	57.95	0.0001	10890	12.08	24.21	12.09	23.64
13M0990P	13M	G025YR24HR	12.11	58.40	57.95	0.0001	10890	12.08	30.77	12.11	29.74
13M0990P	13M	G100YR24HR	12.10	58.54	57.95	0.0001	10890	12.08	42.25	12.10	41.39
13M1100N	13M	G002YR24HR	12.23	54.68	56.35	0.0006	2436	12.21	27.93	12.26	28.03
13M1100N	13M	G010YR24HR	12.29	56.36	56.35	0.0012	35070	12.13	41.61	12.36	41.41
13M1100N	13M	G025YR24HR	12.44	56.82	56.35	0.0012	46879	12.14	57.58	12.79	48.21
13M1100N	13M	G100YR24HR	12.57	57.72	56.35	0.0013	62374	12.14	80.84	12.50	63.41
13M1200N	13M	G002YR24HR	12.23	55.48	56.85	0.0002	2835	12.19	26.12	12.23	25.93
13M1200N	13M	G010YR24HR	12.29	56.46	56.85	0.0006	4600	12.09	37.75	12.25	35.82
13M1200N	13M	G025YR24HR	12.43	56.88	56.85	0.0007	5335	12.14	46.06	18.08	44.78
13M1200N	13M	G100YR24HR	12.56	57.76	56.85	0.0007	13075	12.18	61.99	12.43	57.39
13M1400N	13M	G002YR24HR	12.21	56.12	58.58	0.0002	4653	12.14	23.80	12.21	23.18
13M1400N	13M	G010YR24HR	12.28	56.65	58.58	0.0003	5311	12.09	34.50	12.10	32.30
13M1400N	13M	G025YR24HR	12.41	56.98	58.58	0.0003	5897	12.14	41.34	12.15	39.53
13M1400N	13M	G100YR24HR	12.54	57.85	58.58	0.0003	8102	12.20	57.91	12.35	54.60

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M1500N	13M	G002YR24HR	12.17	56.67	58.65	0.0002	4687	12.09	20.03	12.16	19.09
13M1500N	13M	G010YR24HR	12.28	57.05	58.65	0.0002	5092	12.08	27.53	20.15	26.72
13M1500N	13M	G025YR24HR	12.39	57.31	58.65	0.0002	5435	19.58	38.90	19.62	38.89
13M1500N	13M	G100YR24HR	12.50	58.05	58.65	0.0003	6586	13.29	48.84	13.29	49.01
13M1520P	13M	G002YR24HR	12.11	61.37	61.45	0.0003	4356	12.08	11.19	12.11	10.89
13M1520P	13M	G010YR24HR	12.34	61.63	61.45	-0.0004	38302	12.08	18.20	11.93	12.80
13M1520P	13M	G025YR24HR	12.41	61.82	61.45	-0.0005	41455	12.08	23.10	12.41	13.81
13M1520P	13M	G100YR24HR	12.35	62.03	61.45	-0.0004	44797	12.08	31.69	12.35	21.27
13M1600N	13M	G002YR24HR	24.53	56.73	61.04	0.0003	694	24.24	8.87	24.31	8.87
13M1600N	13M	G010YR24HR	21.19	57.80	61.04	0.0003	629	21.13	25.81	21.31	25.81
13M1600N	13M	G025YR24HR	19.82	58.81	61.04	-0.0005	526	19.79	37.55	20.05	37.55
13M1600N	13M	G100YR24HR	22.06	60.11	61.04	-0.0062	449	19.21	44.53	19.21	44.52
13M1925P	13M	G002YR24HR	12.86	63.39	66.95	0.0002	21780	12.08	23.42	12.86	8.11
13M1925P	13M	G010YR24HR	12.88	64.93	66.95	0.0003	21780	12.08	37.09	12.88	12.36
13M1925P	13M	G025YR24HR	12.94	66.13	66.95	0.0004	21780	12.08	46.71	12.94	14.13
13M1925P	13M	G100YR24HR	12.69	67.62	66.95	0.0006	26129	12.08	63.59	12.69	28.72
13M2317N	13M	G002YR24HR	13.19	59.74	0.00	-0.0013	2996	13.13	35.98	13.19	29.74
13M2317N	13M	G010YR24HR	13.21	59.98	0.00	-0.0011	2761	12.38	36.30	13.48	33.05
13M2317N	13M	G025YR24HR	16.68	60.10	0.00	0.0008	2469	12.23	36.40	12.88	34.82
13M2317N	13M	G100YR24HR	17.33	61.52	0.00	-0.0011	2229	12.06	36.43	12.68	34.95
13M2318N	13M	G002YR24HR	13.13	60.18	0.00	0.0019	2381	14.07	31.63	13.13	35.98
13M2318N	13M	G010YR24HR	12.38	60.19	0.00	0.0013	2339	13.04	32.80	12.38	36.30
13M2318N	13M	G025YR24HR	12.23	60.20	0.00	0.0010	2380	12.88	34.19	12.23	36.40
13M2318N	13M	G100YR24HR	16.36	61.75	0.00	0.0011	2194	12.73	35.58	12.06	36.43
13M2319N	13M	G002YR24HR	14.07	60.30	0.00	0.0021	2533	13.15	28.00	14.07	31.63
13M2319N	13M	G010YR24HR	13.05	60.35	0.00	0.0017	2531	13.02	32.80	13.04	32.80
13M2319N	13M	G025YR24HR	12.91	60.41	0.00	0.0017	2529	12.87	34.19	12.88	34.19
13M2319N	13M	G100YR24HR	16.29	61.81	0.00	0.0013	2336	12.71	35.59	12.73	35.58
13M2320N	13M	G002YR24HR	14.07	60.54	0.00	0.0003	2491	13.47	27.70	13.15	28.00
13M2320N	13M	G010YR24HR	13.04	60.70	0.00	-0.0002	2486	12.99	32.81	13.02	32.80
13M2320N	13M	G025YR24HR	12.89	60.76	0.00	-0.0002	2483	12.84	34.21	12.87	34.19
13M2320N	13M	G100YR24HR	16.19	61.91	0.00	-0.0002	2332	12.68	35.59	12.71	35.59
13M2330P	13M	G002YR24HR	13.40	69.09	68.00	0.0002	60445	12.38	38.50	15.44	16.50
13M2330P	13M	G010YR24HR	12.90	70.05	68.00	0.0004	88192	12.12	79.69	12.90	46.17
13M2330P	13M	G025YR24HR	12.75	70.37	68.00	0.0005	97342	12.08	102.03	12.75	75.02
13M2330P	13M	G100YR24HR	12.64	70.82	68.00	0.0004	110317	12.21	146.18	12.64	125.91
13M2331N	13M	G002YR24HR	13.40	69.08	0.00	0.0004	5337	12.12	22.24	12.13	22.22
13M2331N	13M	G010YR24HR	12.90	70.05	0.00	0.0004	12119	12.10	38.12	12.06	36.51
13M2331N	13M	G025YR24HR	12.75	70.37	0.00	0.0005	14347	12.09	49.30	12.08	41.50
13M2331N	13M	G100YR24HR	12.64	70.82	0.00	0.0004	17496	12.09	68.94	12.11	55.99
13M2332P	13M	G002YR24HR	12.17	74.04	74.45	0.0001	6359	12.08	13.08	12.17	12.71
13M2332P	13M	G010YR24HR	12.16	74.26	74.45	0.0001	6622	12.08	21.60	12.16	21.14
13M2332P	13M	G025YR24HR	12.14	74.38	74.45	0.0001	6985	12.08	27.57	12.14	27.05
13M2332P	13M	G100YR24HR	12.13	74.55	74.45	0.0001	7624	12.08	38.01	12.13	37.43
13M2333N	13M	G002YR24HR	13.47	67.34	0.00	0.0005	2192	13.32	27.76	13.47	27.70
13M2333N	13M	G010YR24HR	12.99	68.59	0.00	0.0004	2193	12.76	32.98	12.99	32.81
13M2333N	13M	G025YR24HR	12.84	68.97	0.00	0.0004	2193	12.61	34.43	12.84	34.21

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M2333N	13M	G100YR24HR	12.68	69.36	0.00	0.0004	2182	12.35	36.20	12.68	35.59
13M2334N	13M	G002YR24HR	13.38	69.12	67.86	0.0094	448	12.68	29.97	12.69	29.83
13M2334N	13M	G010YR24HR	12.89	70.11	67.86	0.0094	448	12.62	54.66	12.62	54.56
13M2334N	13M	G025YR24HR	12.74	70.44	67.86	0.0094	448	12.59	73.40	12.59	73.34
13M2334N	13M	G100YR24HR	12.63	70.92	67.86	0.0094	448	12.56	105.80	12.56	105.77
13M2335N	13M	G002YR24HR	12.80	70.58	70.00	0.0041	26649	12.60	28.24	12.77	27.42
13M2335N	13M	G010YR24HR	12.71	70.89	70.00	0.0041	33321	12.58	51.06	12.69	49.96
13M2335N	13M	G025YR24HR	12.66	71.08	70.00	0.0041	38230	12.54	68.42	12.66	67.02
13M2335N	13M	G100YR24HR	12.63	71.36	70.00	0.0041	45609	12.51	98.45	12.63	96.51
13M2340P	13M	G002YR24HR	12.74	71.33	70.95	0.0001	107781	12.25	39.65	12.73	25.34
13M2340P	13M	G010YR24HR	12.67	71.66	70.95	0.0001	123760	12.25	65.84	12.66	45.70
13M2340P	13M	G025YR24HR	12.63	71.84	70.95	0.0001	137904	12.25	84.23	12.62	61.01
13M2340P	13M	G100YR24HR	12.59	72.09	70.95	0.0001	157936	12.25	116.40	12.58	87.51
13N0050P	13N	G002YR24HR	25.50	54.29	60.00	0.0001	73102	12.08	21.38	0.00	0.00
13N0050P	13N	G010YR24HR	25.50	55.62	60.00	0.0001	83542	12.08	40.41	0.00	0.00
13N0050P	13N	G025YR24HR	25.50	56.47	60.00	0.0002	98551	12.08	54.14	0.00	0.00
13N0050P	13N	G100YR24HR	25.50	57.82	60.00	0.0003	167310	12.08	78.35	0.00	0.00
13N0100P	13N	G002YR24HR	14.04	53.66	55.50	0.0002	90398	12.08	26.99	12.55	6.30
13N0100P	13N	G010YR24HR	13.88	54.38	55.50	0.0002	97965	12.08	49.52	12.14	18.95
13N0100P	13N	G025YR24HR	14.04	54.96	55.50	0.0002	104121	12.08	65.62	12.08	22.45
13N0100P	13N	G100YR24HR	14.01	55.45	55.50	0.0002	112057	12.08	93.91	12.09	28.23
13N0150N	13N	G002YR24HR	14.08	52.74	56.67	0.0003	837	14.04	8.64	14.07	8.64
13N0150N	13N	G010YR24HR	13.89	53.75	56.67	0.0005	545	13.86	17.34	13.88	17.34
13N0150N	13N	G025YR24HR	13.96	54.09	56.67	0.0004	536	14.12	20.29	14.13	20.30
13N0150N	13N	G100YR24HR	27.30	55.10	56.67	0.0003	457	12.53	20.70	12.52	20.57
13N0200P	13N	G002YR24HR	0.00	54.01	56.00	-0.0003	70576	12.49	5.55	0.00	0.00
13N0200P	13N	G010YR24HR	13.86	54.39	56.00	-0.0003	82686	12.08	22.61	13.86	0.12
13N0200P	13N	G025YR24HR	14.02	54.97	56.00	-0.0003	108976	12.09	32.26	14.02	1.16
13N0200P	13N	G100YR24HR	14.01	55.45	56.00	-0.0003	121431	12.10	55.88	14.00	15.03
13N0250N	13N	G002YR24HR	14.13	52.27	56.50	0.0002	3157	14.07	8.64	14.13	8.63
13N0250N	13N	G010YR24HR	26.77	53.29	56.50	0.0003	2885	13.88	17.46	14.48	17.46
13N0250N	13N	G025YR24HR	27.23	54.04	56.50	0.0003	2228	14.05	21.45	14.05	21.53
13N0250N	13N	G100YR24HR	27.30	55.10	56.50	0.0002	2228	13.78	34.03	13.77	33.97
13N0300N	13N	G002YR24HR	26.13	52.16	56.00	-0.0014	5497	12.59	44.06	12.62	43.96
13N0300N	13N	G010YR24HR	25.44	53.35	56.00	-0.0014	6426	12.43	67.19	12.46	67.06
13N0300N	13N	G025YR24HR	26.56	54.08	56.00	-0.0014	8076	15.37	82.48	15.40	82.20
13N0300N	13N	G100YR24HR	27.06	55.12	56.00	-0.0014	14216	15.33	115.78	15.42	115.32
13N0301P	13N	G002YR24HR	13.50	58.25	58.60	0.0001	67027	12.33	17.60	13.50	6.10
13N0301P	13N	G010YR24HR	12.85	58.56	58.60	0.0001	83586	12.33	31.62	12.85	19.68
13N0301P	13N	G025YR24HR	12.84	58.76	58.60	0.0001	101342	12.25	41.71	12.49	26.20
13N0301P	13N	G100YR24HR	12.87	59.12	58.60	0.0001	133639	12.25	59.43	12.85	35.43
13N0350N	13N	G002YR24HR	12.59	53.18	56.00	0.0001	8899	12.52	44.38	12.58	44.06
13N0350N	13N	G010YR24HR	12.43	53.68	56.00	0.0002	9501	12.36	67.35	12.42	66.96
13N0350N	13N	G025YR24HR	24.74	54.18	56.00	0.0002	10264	15.36	81.99	15.37	81.99
13N0350N	13N	G100YR24HR	24.54	55.41	56.00	0.0002	16754	15.34	115.38	15.33	115.37
13N0400N	13N	G002YR24HR	12.57	53.66	57.88	0.0002	7199	12.48	37.63	12.56	37.11

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13N0400N	13N	G010YR24HR	12.42	54.17	57.88	0.0002	7724	14.04	57.22	14.06	57.25
13N0400N	13N	G025YR24HR	14.21	54.53	57.88	0.0002	8553	14.08	76.33	14.11	76.14
13N0400N	13N	G100YR24HR	24.29	55.52	57.88	0.0002	12216	16.15	99.80	16.11	99.86
13N0600N	13N	G002YR24HR	12.56	53.77	57.88	0.0002	6094	12.42	38.94	12.48	37.63
13N0600N	13N	G010YR24HR	12.37	54.61	57.88	0.0003	5470	12.17	59.26	14.04	57.22
13N0600N	13N	G025YR24HR	14.18	55.38	57.88	0.0004	12249	14.17	78.06	14.08	76.33
13N0600N	13N	G100YR24HR	15.80	56.57	57.88	0.0004	20474	15.79	101.10	16.15	99.80
13N0601N	13N	G002YR24HR	12.62	57.52	0.00	0.0004	3367	12.55	27.59	12.62	27.27
13N0601N	13N	G010YR24HR	12.67	58.57	0.00	0.0005	2441	12.62	42.22	12.72	42.23
13N0601N	13N	G025YR24HR	13.48	59.47	0.00	-0.0010	2253	12.17	41.68	12.69	41.29
13N0601N	13N	G100YR24HR	14.23	60.18	0.00	-0.0008	2253	12.01	41.40	12.59	39.27
13N0700P	13N	G002YR24HR	12.33	54.29	58.00	0.0001	52025	12.08	11.42	12.33	7.97
13N0700P	13N	G010YR24HR	12.32	54.39	58.00	0.0001	63893	12.08	17.87	12.32	12.75
13N0700P	13N	G025YR24HR	12.30	54.45	58.00	0.0001	70595	12.08	22.42	12.30	16.36
13N0700P	13N	G100YR24HR	24.54	55.41	58.00	0.0002	131032	12.08	30.42	12.28	23.01
13N0750P	13N	G002YR24HR	25.50	53.16	57.00	0.0000	110071	12.08	10.79	0.00	0.00
13N0750P	13N	G010YR24HR	25.50	53.50	57.00	0.0000	116678	12.08	17.22	0.00	0.00
13N0750P	13N	G025YR24HR	25.50	53.74	57.00	0.0001	117693	12.08	21.74	0.00	0.00
13N0750P	13N	G100YR24HR	31.65	54.81	57.00	0.0001	120997	12.08	29.66	0.00	0.00
13N0800P	13N	G002YR24HR	24.60	53.85	58.00	-0.0163	35532	12.08	10.23	24.45	0.32
13N0800P	13N	G010YR24HR	21.61	55.25	58.00	-0.0163	45158	12.08	19.25	21.51	1.85
13N0800P	13N	G025YR24HR	15.01	55.34	58.00	-0.0163	46160	12.08	25.26	15.01	7.61
13N0800P	13N	G100YR24HR	13.07	55.47	58.00	-0.0163	47611	12.08	35.90	13.07	19.03
13N0805N	13N	G002YR24HR	24.64	53.57	0.00	0.0005	120	24.45	0.32	24.64	0.32
13N0805N	13N	G010YR24HR	24.20	54.66	0.00	0.0007	120	17.53	0.50	17.44	0.50
13N0805N	13N	G025YR24HR	24.29	54.89	0.00	0.0005	120	13.94	0.53	14.01	0.52
13N0805N	13N	G100YR24HR	25.15	55.31	0.00	0.0003	120	12.58	0.53	12.78	0.51
13N0810N	13N	G002YR24HR	25.91	52.20	0.00	0.0003	125	24.64	0.32	24.78	0.32
13N0810N	13N	G010YR24HR	25.35	53.45	0.00	0.0005	114	17.44	0.50	17.45	0.49
13N0810N	13N	G025YR24HR	26.50	54.15	0.00	0.0004	114	14.01	0.52	14.32	0.51
13N0810N	13N	G100YR24HR	26.90	55.13	0.00	0.0002	114	12.78	0.51	12.71	0.50
13N0900P	13N	G002YR24HR	24.59	53.85	57.00	0.0029	45089	12.08	14.82	12.82	1.43
13N0900P	13N	G010YR24HR	21.50	55.25	57.00	0.0029	56530	12.08	27.58	12.81	3.99
13N0900P	13N	G025YR24HR	14.95	55.46	57.00	0.0029	59660	12.08	36.96	14.92	6.28
13N0900P	13N	G100YR24HR	13.74	56.16	57.00	0.0029	81381	12.08	53.79	13.77	15.62
13P0400N	13P	G002YR24HR	12.09	55.57	58.87	0.0001	252	12.08	3.81	12.09	3.80
13P0400N	13P	G010YR24HR	12.09	55.74	58.87	0.0001	269	12.08	6.86	12.08	6.85
13P0400N	13P	G025YR24HR	12.09	55.83	58.87	0.0001	277	12.08	9.04	12.08	9.02
13P0400N	13P	G100YR24HR	12.08	55.98	58.87	0.0001	288	12.08	12.85	12.08	12.83
13P0450N	13P	G002YR24HR	0.00	54.10	0.00	-0.0005	5014	12.09	3.80	0.00	5.37
13P0450N	13P	G010YR24HR	12.11	54.12	0.00	-0.0005	5315	12.08	6.85	12.19	6.84
13P0450N	13P	G025YR24HR	12.11	54.14	0.00	-0.0005	5478	12.08	9.02	12.15	8.90
13P0450N	13P	G100YR24HR	27.36	55.10	0.00	-0.0005	18831	12.08	12.83	12.13	12.24
13P0500P	13P	G002YR24HR	12.49	60.38	65.25	0.0002	91222	12.10	81.83	12.49	66.75
13P0500P	13P	G010YR24HR	12.44	60.90	65.25	0.0002	125320	12.17	143.64	12.44	118.24
13P0500P	13P	G025YR24HR	12.40	61.20	65.25	0.0002	141430	12.08	198.06	12.40	155.09
13P0500P	13P	G100YR24HR	12.36	61.62	65.25	0.0002	164475	12.08	275.40	12.36	218.69

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P0501N	GEE	G002YR24HR	13.49	71.14	0.00	0.0002	21692	12.08	9.47	13.49	1.10
13P0501N	GEE	G010YR24HR	12.31	71.30	0.00	0.0002	24182	12.08	16.04	12.31	11.76
13P0501N	GEE	G025YR24HR	12.17	71.37	0.00	0.0002	25340	12.08	20.66	12.17	18.70
13P0501N	GEE	G100YR24HR	12.12	71.45	0.00	0.0001	26597	12.08	28.72	12.12	27.36
13P0800N	13P	G002YR24HR	12.44	65.12	69.18	0.0002	1205	12.43	37.51	12.43	37.50
13P0800N	13P	G010YR24HR	12.41	65.56	69.18	0.0002	1336	12.38	51.46	12.38	51.46
13P0800N	13P	G025YR24HR	12.37	65.82	69.18	0.0003	1408	12.35	60.11	12.37	60.09
13P0800N	13P	G100YR24HR	12.36	66.30	69.18	0.0002	1510	12.34	75.95	12.36	75.88
13P0900N	13P	G002YR24HR	12.50	68.12	70.15	0.0002	1109	12.46	36.61	12.47	36.61
13P0900N	13P	G010YR24HR	12.42	68.26	70.15	0.0001	1147	12.42	49.89	12.42	49.87
13P0900N	13P	G025YR24HR	12.42	68.37	70.15	0.0001	1206	12.42	58.01	12.42	58.00
13P0900N	13P	G100YR24HR	12.41	68.57	70.15	0.0001	1458	12.41	72.75	12.42	72.75
13P0950N	13P	G002YR24HR	12.73	70.56	0.00	0.0002	15046	12.26	29.77	12.74	23.27
13P0950N	13P	G010YR24HR	12.99	72.05	0.00	0.0003	19941	12.18	42.60	13.14	29.03
13P0950N	13P	G025YR24HR	13.16	73.03	0.00	0.0004	19940	12.14	47.51	13.75	31.84
13P0950N	13P	G100YR24HR	13.45	74.29	0.00	0.0004	19940	12.17	55.53	14.98	35.28
13P1000N	13P	G002YR24HR	12.70	70.65	71.25	0.0002	14808	12.25	33.46	12.26	29.77
13P1000N	13P	G010YR24HR	12.99	72.05	71.25	0.0002	27954	12.25	57.06	12.18	42.60
13P1000N	13P	G025YR24HR	13.16	73.03	71.25	0.0003	32748	12.25	73.48	12.14	47.51
13P1000N	13P	G100YR24HR	13.45	74.29	71.25	0.0004	54650	12.17	97.03	12.17	55.53
13P1200N	13P	G002YR24HR	12.32	72.50	74.95	0.0003	9625	12.12	17.02	12.31	15.72
13P1200N	13P	G010YR24HR	12.32	73.05	74.95	0.0003	11383	12.12	28.90	12.32	26.90
13P1200N	13P	G025YR24HR	12.34	73.41	74.95	0.0003	12629	12.13	37.39	12.34	34.74
13P1200N	13P	G100YR24HR	13.43	74.76	74.95	0.0003	29414	12.11	50.55	12.17	42.13
13P1250N	GEE	G002YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G010YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G025YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G100YR24HR	14.38	74.66	0.00	0.0003	24891	13.43	8.15	0.00	0.00
13P1300N	13P	G002YR24HR	12.31	73.71	77.05	0.0015	1287	12.28	9.20	12.31	9.19
13P1300N	13P	G010YR24HR	12.33	74.15	77.05	0.0015	2312	12.30	16.18	12.34	16.16
13P1300N	13P	G025YR24HR	12.36	74.44	77.05	0.0015	4903	12.30	21.52	12.37	21.40
13P1300N	13P	G100YR24HR	13.40	75.16	77.05	0.0015	14804	12.30	31.35	12.35	27.92
13P1400N	13P	G002YR24HR	12.54	74.81	78.15	-0.0003	2797	12.38	7.11	12.40	7.05
13P1400N	13P	G010YR24HR	12.45	75.12	78.15	-0.0003	2966	12.38	12.67	12.42	12.58
13P1400N	13P	G025YR24HR	12.44	75.35	78.15	-0.0003	3070	12.39	17.01	12.43	16.94
13P1400N	13P	G100YR24HR	13.34	75.72	78.15	-0.0003	3257	12.41	25.16	12.44	25.02
13P1600N	13P	G002YR24HR	12.39	75.64	79.28	0.0003	2786	12.35	7.14	12.38	7.11
13P1600N	13P	G010YR24HR	12.39	75.93	79.28	0.0003	2877	12.34	12.73	12.38	12.67
13P1600N	13P	G025YR24HR	12.40	76.14	79.28	0.0003	2933	12.35	17.07	12.39	17.01
13P1600N	13P	G100YR24HR	12.43	76.50	79.28	0.0003	3022	12.38	25.24	12.41	25.16
13P1650N	13P	G002YR24HR	12.36	75.91	79.65	-0.0005	2143	12.33	7.17	12.35	7.14
13P1650N	13P	G010YR24HR	12.36	76.27	79.65	-0.0005	2600	12.32	12.79	12.34	12.73
13P1650N	13P	G025YR24HR	12.37	76.51	79.65	-0.0005	2886	12.33	17.16	12.35	17.07
13P1650N	13P	G100YR24HR	12.40	76.91	79.65	-0.0005	3327	12.33	25.38	12.38	25.24
13P1700N	13P	G002YR24HR	12.68	76.32	80.35	-0.0001	2787	12.64	4.71	12.70	4.71
13P1700N	13P	G010YR24HR	12.55	76.63	80.35	0.0001	2905	12.59	8.29	12.65	8.35

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P1700N	13P	G025YR24HR	12.57	76.88	80.35	0.0001	2993	12.64	11.72	12.69	11.81
13P1700N	13P	G100YR24HR	13.29	77.46	80.35	0.0002	3186	13.26	22.96	13.30	22.94
13P1800P	13P	G002YR24HR	12.64	76.95	85.95	0.0000	100732	12.08	19.61	12.64	10.22
13P1800P	13P	G010YR24HR	12.58	77.17	85.95	0.0001	101753	12.09	35.21	12.59	19.91
13P1800P	13P	G025YR24HR	12.61	77.40	85.95	0.0001	102792	12.09	50.95	12.62	30.86
13P1800P	13P	G100YR24HR	13.27	78.01	85.95	0.0001	107500	12.09	80.57	13.66	54.86
13P1810P	13P	G002YR24HR	25.50	81.14	87.00	0.0016	37380	12.08	21.87	12.08	1.45
13P1810P	13P	G010YR24HR	24.38	82.97	87.00	0.0016	47458	12.08	36.39	12.08	2.22
13P1810P	13P	G025YR24HR	24.25	83.87	87.00	0.0016	52795	12.08	46.57	12.08	2.67
13P1810P	13P	G100YR24HR	15.31	84.53	87.00	0.0016	57403	12.08	64.36	15.27	3.58
13P1811N	13P	G002YR24HR	0.00	82.50	87.00	-0.0066	2179	12.08	1.45	0.00	0.00
13P1811N	13P	G010YR24HR	24.38	82.97	87.00	-0.0066	2179	12.08	2.22	24.38	0.25
13P1811N	13P	G025YR24HR	24.25	83.87	87.00	-0.0066	2179	12.08	2.67	24.25	0.52
13P1811N	13P	G100YR24HR	15.32	84.50	87.00	-0.0066	2179	15.27	3.58	15.31	3.58
13P1812N	13P	G002YR24HR	0.00	81.70	87.00	0.0000	2190	0.00	0.00	0.00	0.00
13P1812N	13P	G010YR24HR	24.75	81.97	87.00	0.0000	2339	24.38	0.25	24.75	0.25
13P1812N	13P	G025YR24HR	24.45	82.08	87.00	0.0000	2364	24.25	0.52	24.45	0.52
13P1812N	13P	G100YR24HR	15.44	82.68	87.00	0.0000	2421	15.31	3.58	15.44	3.58
13P1813N	13P	G002YR24HR	0.00	81.40	86.00	-0.0009	2932	0.00	0.00	0.00	3.21
13P1813N	13P	G010YR24HR	0.00	81.40	86.00	-0.0009	2932	24.75	0.25	0.00	3.21
13P1813N	13P	G025YR24HR	0.00	81.40	86.00	-0.0009	2932	24.45	0.52	0.00	3.21
13P1813N	13P	G100YR24HR	15.73	81.41	86.00	-0.0009	3175	15.44	3.58	15.51	3.57
13P1814N	13P	G002YR24HR	16.35	78.55	87.50	0.0006	3549	16.33	34.92	16.35	34.92
13P1814N	13P	G010YR24HR	17.50	78.71	87.50	0.0006	5731	17.50	55.66	17.50	55.66
13P1814N	13P	G025YR24HR	16.00	78.76	87.50	0.0006	5746	15.99	66.55	16.00	66.55
13P1814N	13P	G100YR24HR	13.20	78.86	87.50	0.0006	5794	15.02	93.62	15.03	93.62
13P1815N	13P	G002YR24HR	16.36	76.90	83.79	0.0005	5955	16.35	34.92	16.35	34.92
13P1815N	13P	G010YR24HR	17.48	77.18	83.79	0.0005	6002	17.50	43.65	17.48	43.65
13P1815N	13P	G025YR24HR	16.05	77.29	83.79	0.0005	6008	16.00	47.09	15.93	47.08
13P1815N	13P	G100YR24HR	13.04	78.08	83.79	0.0005	5598	15.00	54.24	14.96	54.23
13P1820N	13P	G002YR24HR	16.33	81.62	89.60	0.0022	1684	16.30	34.38	16.33	34.38
13P1820N	13P	G010YR24HR	17.62	82.46	89.60	0.0022	1660	17.59	54.90	17.62	54.90
13P1820N	13P	G025YR24HR	16.15	82.86	89.60	0.0022	1460	16.23	65.05	16.15	65.05
13P1820N	13P	G100YR24HR	15.10	83.79	89.60	0.0022	606	15.11	88.21	15.07	88.21
13P1822N	13P	G002YR24HR	21.48	82.41	91.00	0.0005	1155	21.05	1.99	21.40	1.96
13P1822N	13P	G010YR24HR	17.63	82.63	91.00	0.0005	1192	17.06	2.96	17.35	2.96
13P1822N	13P	G025YR24HR	16.27	82.97	91.00	0.0006	1179	17.04	3.76	17.31	3.77
13P1822N	13P	G100YR24HR	15.10	83.91	91.00	0.0007	576	18.14	4.04	18.13	4.42
13P1824N	13P	G002YR24HR	21.05	83.31	88.00	0.0011	874	20.81	1.97	21.05	1.99
13P1824N	13P	G010YR24HR	17.06	83.47	88.00	0.0011	901	17.03	2.96	17.06	2.96
13P1824N	13P	G025YR24HR	17.04	83.59	88.00	0.0011	909	16.98	3.76	17.04	3.76
13P1824N	13P	G100YR24HR	15.13	84.07	88.00	0.0011	765	12.86	3.92	18.14	4.04
13P2010N	13P	G002YR24HR	16.32	84.28	90.05	-0.0059	561	12.48	9.42	13.02	21.40
13P2010N	13P	G010YR24HR	17.63	85.00	90.05	-0.0047	516	12.46	15.42	12.19	24.09
13P2010N	13P	G025YR24HR	16.11	85.37	90.05	-0.0051	515	12.46	19.51	11.99	23.03
13P2010N	13P	G100YR24HR	15.02	86.29	90.05	-0.0062	455	12.47	26.43	12.48	26.23

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P2050N	13P	G002YR24HR	12.49	85.44	90.05	0.0001	10213	12.17	10.98	12.48	9.42
13P2050N	13P	G010YR24HR	12.47	85.94	90.05	0.0001	11769	12.25	18.08	12.46	15.42
13P2050N	13P	G025YR24HR	12.46	86.25	90.05	0.0002	12754	12.22	22.97	12.46	19.51
13P2050N	13P	G100YR24HR	12.47	86.79	90.05	0.0002	14375	12.17	31.61	12.47	26.43
13P2200N	13P	G002YR24HR	12.49	85.44	87.35	0.0002	2223	0.00	0.00	12.93	0.38
13P2200N	13P	G010YR24HR	12.47	85.94	87.35	0.0003	2224	0.00	0.00	12.92	0.57
13P2200N	13P	G025YR24HR	12.46	86.25	87.35	0.0003	2217	0.00	0.00	12.92	0.70
13P2200N	13P	G100YR24HR	12.47	86.79	87.35	0.0003	2180	72.00	0.23	13.00	0.90
13P2300P	13P	G002YR24HR	15.19	89.47	92.00	0.0001	40426	12.08	20.12	12.08	4.56
13P2300P	13P	G010YR24HR	13.39	90.42	92.00	0.0002	48615	12.08	33.04	14.30	3.95
13P2300P	13P	G025YR24HR	13.39	91.09	92.00	0.0002	55010	12.08	42.08	14.91	5.16
13P2300P	13P	G100YR24HR	13.61	92.16	92.00	0.0003	66819	12.08	57.91	16.27	6.32
13P2350N	13P	G002YR24HR	15.16	89.43	91.94	0.0015	2181	12.08	4.56	12.10	2.95
13P2350N	13P	G010YR24HR	13.09	90.11	91.94	0.0015	2181	14.30	3.95	14.29	4.02
13P2350N	13P	G025YR24HR	13.01	90.61	91.94	0.0015	2181	14.91	5.16	14.86	5.27
13P2350N	13P	G100YR24HR	13.06	91.45	91.94	0.0015	2181	16.27	6.32	16.27	6.45
13P2400P	13P	G002YR24HR	15.15	89.43	92.30	-0.0100	53534	12.08	27.10	15.12	2.66
13P2400P	13P	G010YR24HR	13.07	90.09	92.30	-0.0100	63776	12.08	39.88	13.06	9.96
13P2400P	13P	G025YR24HR	12.99	90.58	92.30	-0.0100	71333	12.08	50.95	13.04	13.63
13P2400P	13P	G100YR24HR	13.04	91.41	92.30	-0.0100	84093	12.08	70.81	12.88	17.04
13P2410N	13P	G002YR24HR	15.16	89.41	93.17	-0.0051	2181	15.12	2.66	15.16	2.66
13P2410N	13P	G010YR24HR	13.09	89.76	93.17	-0.0051	2181	13.06	9.96	13.08	9.96
13P2410N	13P	G025YR24HR	12.98	89.97	93.17	-0.0051	2181	13.04	13.63	13.04	13.65
13P2410N	13P	G100YR24HR	13.49	90.50	93.17	-0.0051	2181	12.88	17.04	12.92	16.96
13P2420N	13P	G002YR24HR	15.29	88.17	93.17	0.0000	2741	15.16	2.66	15.24	2.66
13P2420N	13P	G010YR24HR	13.18	89.08	93.17	0.0002	2647	13.08	9.96	13.17	9.94
13P2420N	13P	G025YR24HR	12.95	89.51	93.17	0.0003	2337	13.04	13.65	13.02	13.74
13P2420N	13P	G100YR24HR	13.52	90.33	93.17	0.0002	2208	12.92	16.96	12.97	16.85
13P2620N	13P	G002YR24HR	72.00	85.88	89.95	0.0026	911	12.34	36.68	12.35	36.56
13P2620N	13P	G010YR24HR	72.00	86.74	89.95	0.0026	489	12.09	41.80	12.09	41.58
13P2620N	13P	G025YR24HR	72.00	87.31	89.95	0.0026	489	11.99	43.85	12.01	43.51
13P2620N	13P	G100YR24HR	24.57	88.27	89.95	0.0026	489	11.90	42.56	11.89	42.29
13P2640N	13P	G002YR24HR	12.37	87.62	89.95	0.0009	510	12.30	36.75	12.34	36.68
13P2640N	13P	G010YR24HR	12.10	88.76	89.95	0.0009	482	12.08	42.35	12.09	41.80
13P2640N	13P	G025YR24HR	12.08	89.65	89.95	0.0011	482	11.99	45.58	11.99	43.85
13P2640N	13P	G100YR24HR	15.59	90.02	89.95	0.0011	482	11.85	44.24	11.90	42.56
13P2643N	13P	G002YR24HR	12.10	89.61	91.95	0.0035	493	12.00	24.73	12.10	24.33
13P2643N	13P	G010YR24HR	12.09	90.83	91.95	0.0032	493	12.08	27.63	12.08	27.60
13P2643N	13P	G025YR24HR	12.08	90.89	91.95	0.0025	493	12.08	31.90	12.08	31.89
13P2643N	13P	G100YR24HR	12.08	90.92	91.95	0.0014	493	12.08	39.48	12.08	39.47
13P2644N	13P	G002YR24HR	12.09	92.63	92.95	0.0018	468	11.99	19.13	12.00	15.90
13P2644N	13P	G010YR24HR	12.08	92.82	92.95	0.0020	468	11.83	19.49	11.83	15.79
13P2644N	13P	G025YR24HR	13.63	92.92	92.95	0.0024	468	11.75	20.03	14.33	15.78
13P2644N	13P	G100YR24HR	12.53	93.17	92.95	0.0028	468	11.67	20.57	11.68	15.37
13P2646N	13P	G002YR24HR	12.09	92.61	92.95	0.0034	439	0.00	0.00	12.68	1.64
13P2646N	13P	G010YR24HR	12.08	92.80	92.95	0.0039	439	13.69	9.14	13.70	9.14
13P2646N	13P	G025YR24HR	13.66	92.92	92.95	0.0046	439	18.00	13.84	18.00	13.85

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P2646N	13P	G100YR24HR	12.55	93.16	92.95	0.0055	439	23.84	11.49	23.84	11.50
13P2660P	13P	G002YR24HR	12.79	87.74	88.95	0.0008	210609	12.08	45.11	13.42	17.71
13P2660P	13P	G010YR24HR	14.73	88.42	88.95	0.0007	354392	12.08	82.94	18.00	14.36
13P2660P	13P	G025YR24HR	16.90	89.05	88.95	0.0006	481440	12.08	110.20	25.00	14.89
13P2660P	13P	G100YR24HR	15.62	90.05	88.95	0.0002	686589	12.48	231.80	25.33	21.29
13P2661P	13P	G002YR24HR	23.77	89.63	89.05	0.0001	234818	12.08	21.16	23.77	0.86
13P2661P	13P	G010YR24HR	13.26	89.79	89.05	0.0001	273760	12.08	55.65	13.26	9.20
13P2661P	13P	G025YR24HR	12.80	89.95	89.05	0.0001	311382	12.08	83.27	12.80	25.93
13P2661P	13P	G100YR24HR	12.48	90.14	89.05	0.0001	357856	12.08	135.05	12.48	75.82
13P3100P	GEE	G002YR24HR	0.00	0.00	0.00	0.0000	9	12.07	12.76	0.00	0.00
13P3100P	GEE	G010YR24HR	0.00	0.00	0.00	0.0000	9	12.06	17.18	0.00	0.00
13P3100P	GEE	G025YR24HR	0.00	0.00	0.00	0.0000	9	12.07	20.89	0.00	0.00
13P3100P	GEE	G100YR24HR	0.00	0.00	0.00	0.0000	9	12.09	27.47	0.00	0.00
13P3120N	GEE	G002YR24HR	12.07	91.64	94.44	0.0005	168	12.02	12.82	12.05	12.77
13P3120N	GEE	G010YR24HR	12.06	92.83	94.44	0.0006	143	12.04	17.22	12.05	17.19
13P3120N	GEE	G025YR24HR	12.07	93.85	94.44	0.0007	143	12.05	20.93	12.06	20.89
13P3120N	GEE	G100YR24HR	12.09	96.12	94.44	0.0012	143	12.06	27.55	12.08	27.49
13P3150N	GEE	G002YR24HR	12.07	91.39	93.61	0.0004	268	12.05	12.77	12.07	12.76
13P3150N	GEE	G010YR24HR	12.06	92.17	93.61	0.0005	174	12.05	17.19	12.06	17.18
13P3150N	GEE	G025YR24HR	12.07	92.88	93.61	0.0006	170	12.06	20.89	12.07	20.89
13P3150N	GEE	G100YR24HR	12.09	94.43	93.61	0.0008	161	12.08	27.49	12.09	27.47
13P3250N	GEE	G002YR24HR	12.06	91.72	94.12	-0.0010	145	12.00	12.94	12.02	12.82
13P3250N	GEE	G010YR24HR	12.06	93.08	94.12	-0.0009	146	12.00	17.31	12.04	17.22
13P3250N	GEE	G025YR24HR	12.07	94.22	94.12	-0.0008	146	12.02	21.04	12.05	20.93
13P3250N	GEE	G100YR24HR	12.08	96.75	94.12	0.0013	146	12.00	27.74	12.06	27.55
13P3300N	GEE	G002YR24HR	12.06	91.79	94.91	-0.0036	157	12.00	13.10	12.00	12.94
13P3300N	GEE	G010YR24HR	12.06	93.20	94.91	-0.0036	157	12.00	17.58	12.00	17.31
13P3300N	GEE	G025YR24HR	12.07	94.41	94.91	-0.0035	157	12.00	21.44	12.02	21.04
13P3300N	GEE	G100YR24HR	12.08	97.08	94.91	-0.0036	157	12.00	28.46	12.00	27.74
13P3350N	GEE	G002YR24HR	12.06	91.83	93.16	0.0036	154	12.00	13.26	12.00	13.10
13P3350N	GEE	G010YR24HR	12.05	93.28	93.16	0.0038	154	12.00	17.86	12.00	17.58
13P3350N	GEE	G025YR24HR	12.06	94.52	93.16	0.0027	154	12.00	21.86	12.00	21.44
13P3350N	GEE	G100YR24HR	12.08	97.27	93.16	0.0027	154	12.00	29.22	12.00	28.46
13P3400P	GEE	G002YR24HR	12.06	91.85	94.00	0.0042	129	12.00	42.11	12.00	41.98
13P3400P	GEE	G010YR24HR	12.05	93.32	94.00	0.0035	129	12.00	66.71	12.00	66.48
13P3400P	GEE	G025YR24HR	12.06	94.58	94.00	0.0018	129	12.00	83.99	12.00	83.64
13P3400P	GEE	G100YR24HR	12.08	97.37	94.00	0.0018	129	12.00	114.35	12.00	113.72
13P3450N	GEE	G002YR24HR	12.07	91.72	90.98	0.0005	2620	12.00	28.73	12.07	27.72
13P3450N	GEE	G010YR24HR	12.06	92.94	90.98	0.0006	2339	12.00	48.66	12.06	47.03
13P3450N	GEE	G025YR24HR	12.08	93.98	90.98	0.0007	2335	12.00	61.83	12.08	59.25
13P3450N	GEE	G100YR24HR	12.09	96.27	90.98	0.0012	2318	12.00	84.59	12.09	79.91
13P3500N	GEE	G002YR24HR	72.00	85.88	90.56	0.0061	742	12.07	27.72	12.08	27.69
13P3500N	GEE	G010YR24HR	72.00	86.74	90.56	0.0061	437	12.06	47.03	12.07	47.01
13P3500N	GEE	G025YR24HR	72.00	87.31	90.56	0.0061	171	12.08	59.25	12.08	59.23
13P3500N	GEE	G100YR24HR	72.00	88.19	90.56	0.0061	171	12.09	79.91	12.09	79.88
13Q0500N	13Q	G002YR24HR	25.50	84.52	88.65	0.0000	70775	12.08	7.33	0.00	0.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q0500N	13Q	G010YR24HR	25.50	84.91	88.65	0.0000	78740	12.08	12.36	0.00	0.00
13Q0500N	13Q	G025YR24HR	25.50	86.47	88.65	0.0002	110605	12.74	56.79	0.00	0.00
13Q0500N	13Q	G100YR24HR	13.66	88.89	88.65	0.0004	160233	12.48	179.12	13.66	25.94
13Q0820P	13Q	G002YR24HR	12.94	88.19	89.05	0.0002	73227	12.45	60.11	12.92	53.03
13Q0820P	13Q	G010YR24HR	13.14	89.55	89.05	0.0002	84723	12.57	126.25	12.80	91.83
13Q0820P	13Q	G025YR24HR	12.75	89.97	89.05	0.0003	88219	12.64	171.08	12.72	165.56
13Q0820P	13Q	G100YR24HR	12.50	90.22	89.05	0.0004	90370	12.42	298.22	12.48	293.50
13Q0821N	13Q	G002YR24HR	14.05	87.39	87.00	0.0008	3695	13.55	42.55	13.55	42.45
13Q0821N	13Q	G010YR24HR	14.17	88.60	87.00	0.0006	4475	12.57	51.88	12.57	50.70
13Q0821N	13Q	G025YR24HR	14.29	89.17	87.00	0.0002	4846	12.31	55.81	12.31	54.27
13Q0821N	13Q	G100YR24HR	14.07	89.70	87.00	0.0002	5186	11.90	53.57	11.90	52.63
13Q0822N	13Q	G002YR24HR	14.07	85.68	89.85	0.0004	726	14.04	11.13	14.07	11.13
13Q0822N	13Q	G010YR24HR	13.87	85.99	89.85	0.0002	597	14.25	13.79	14.27	13.80
13Q0822N	13Q	G025YR24HR	14.56	86.14	89.85	0.0001	576	14.21	14.86	14.24	14.85
13Q0822N	13Q	G100YR24HR	13.66	88.88	89.85	0.0027	488	12.61	14.06	12.61	13.91
13Q0840P	13Q	G002YR24HR	14.07	87.39	0.00	0.0001	120421	12.08	7.74	14.89	7.44
13Q0840P	13Q	G010YR24HR	14.17	88.60	0.00	0.0001	144072	12.08	12.07	19.47	13.87
13Q0840P	13Q	G025YR24HR	14.30	89.17	0.00	0.0002	155329	12.08	15.12	22.21	13.71
13Q0840P	13Q	G100YR24HR	14.08	89.70	0.00	0.0002	165671	12.08	20.51	26.55	16.63
13Q0860P	13Q	G002YR24HR	12.97	87.92	0.00	0.0000	188891	12.17	10.68	12.97	2.46
13Q0860P	13Q	G010YR24HR	12.82	88.04	0.00	0.0000	195763	12.08	23.48	12.33	8.08
13Q0860P	13Q	G025YR24HR	12.79	88.15	0.00	0.0000	201818	12.08	31.73	12.12	9.28
13Q0860P	13Q	G100YR24HR	22.67	88.34	0.00	0.0001	213078	12.08	44.82	11.87	7.53
13Q0861N	13Q	G002YR24HR	14.03	87.53	89.01	0.0002	2197	12.97	2.46	13.10	2.44
13Q0861N	13Q	G010YR24HR	13.21	88.04	89.01	0.0003	2197	12.33	8.08	12.36	5.46
13Q0861N	13Q	G025YR24HR	12.80	88.15	89.01	0.0004	2197	12.12	9.28	12.17	5.78
13Q0861N	13Q	G100YR24HR	22.62	88.34	89.01	0.0006	2197	11.87	7.53	27.37	4.96
13Q0865N	13Q	G002YR24HR	14.09	87.37	89.00	0.0002	2203	13.10	2.44	15.29	3.73
13Q0865N	13Q	G010YR24HR	15.42	88.37	89.00	0.0005	2203	12.36	5.46	20.13	4.51
13Q0865N	13Q	G025YR24HR	15.94	88.84	89.00	0.0006	2203	20.03	6.23	20.08	6.36
13Q0865N	13Q	G100YR24HR	16.81	89.40	89.00	0.0005	2203	25.38	7.48	25.43	7.59
13Q0870P	13Q	G002YR24HR	14.91	87.38	88.00	0.0001	119298	12.08	31.24	15.98	5.50
13Q0870P	13Q	G010YR24HR	15.45	88.38	88.00	0.0001	211824	12.08	51.66	20.54	9.89
13Q0870P	13Q	G025YR24HR	15.97	88.85	88.00	0.0001	261023	12.08	65.99	19.59	12.51
13Q0870P	13Q	G100YR24HR	16.84	89.40	88.00	0.0001	319285	12.08	91.06	22.18	13.26
13Q0875N	13Q	G002YR24HR	14.09	87.35	90.00	0.0002	2485	15.29	7.91	15.40	8.32
13Q0875N	13Q	G010YR24HR	14.47	88.44	90.00	0.0005	2220	20.13	12.45	20.14	12.93
13Q0875N	13Q	G025YR24HR	14.64	88.96	90.00	0.0006	2220	22.92	12.59	22.93	13.01
13Q0875N	13Q	G100YR24HR	14.24	89.53	90.00	0.0005	2220	27.26	15.06	27.28	15.35
13Q0880N	13Q	G002YR24HR	14.07	87.35	89.00	0.0002	2327	13.43	30.73	13.43	29.15
13Q0880N	13Q	G010YR24HR	14.17	88.58	89.00	0.0005	2259	12.56	38.06	14.03	32.58
13Q0880N	13Q	G025YR24HR	14.30	89.16	89.00	0.0007	2259	12.31	40.37	13.59	33.68
13Q0880N	13Q	G100YR24HR	14.08	89.69	89.00	0.0005	2259	11.90	37.86	11.89	32.44
13Q0885N	13Q	G002YR24HR	14.48	86.15	89.00	0.0003	2267	13.43	29.15	13.65	28.36
13Q0885N	13Q	G010YR24HR	14.33	86.65	89.00	0.0006	2231	14.03	32.58	14.10	32.54
13Q0885N	13Q	G025YR24HR	14.67	87.14	89.00	0.0006	2231	13.59	33.68	13.86	33.48
13Q0885N	13Q	G100YR24HR	14.61	87.96	89.00	0.0005	2231	11.89	32.44	13.43	31.32

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q0890N	13Q	G002YR24HR	14.49	85.83	89.82	0.0002	2296	13.65	28.36	14.48	28.25
13Q0890N	13Q	G010YR24HR	14.41	86.23	89.82	0.0003	2270	14.10	32.54	14.16	32.51
13Q0890N	13Q	G025YR24HR	14.80	86.70	89.82	0.0003	2212	13.86	33.48	14.00	33.34
13Q0890N	13Q	G100YR24HR	14.71	87.60	89.82	0.0003	2212	13.43	31.32	13.50	31.06
13Q0895N	13Q	G002YR24HR	14.52	85.06	87.11	0.0111	2456	14.48	28.25	14.50	28.25
13Q0895N	13Q	G010YR24HR	16.29	85.30	87.11	0.0111	2366	14.16	32.51	14.18	32.47
13Q0895N	13Q	G025YR24HR	15.68	85.58	87.11	0.0111	2205	14.00	33.34	14.04	33.28
13Q0895N	13Q	G100YR24HR	14.99	86.44	87.11	0.0111	2205	13.50	31.06	12.76	31.86
13Q0896N	13Q	G002YR24HR	14.52	85.01	87.11	-0.0112	2178	14.50	28.25	14.51	28.25
13Q0896N	13Q	G010YR24HR	16.51	85.25	87.11	-0.0112	2178	14.18	32.47	14.20	32.44
13Q0896N	13Q	G025YR24HR	15.82	85.52	87.11	-0.0112	2178	14.04	33.28	14.07	33.23
13Q0896N	13Q	G100YR24HR	15.01	86.38	87.11	-0.0112	2178	12.76	31.86	12.76	37.33
13Q0924P	13Q	G002YR24HR	13.14	88.70	88.95	0.0002	47247	12.42	38.05	13.04	24.69
13Q0924P	13Q	G010YR24HR	13.13	89.61	88.95	0.0002	52970	12.42	66.06	12.63	51.26
13Q0924P	13Q	G025YR24HR	12.76	90.04	88.95	0.0002	55726	12.42	85.89	12.73	74.44
13Q0924P	13Q	G100YR24HR	12.51	90.34	88.95	0.0003	57593	12.42	120.64	12.55	118.88
13Q0940P	13Q	G002YR24HR	13.25	88.46	88.95	0.0002	42914	12.99	26.63	13.37	25.12
13Q0940P	13Q	G010YR24HR	13.13	89.59	88.95	0.0002	49816	12.62	58.14	12.64	47.79
13Q0940P	13Q	G025YR24HR	12.76	90.01	88.95	0.0003	52444	12.69	81.81	12.77	80.87
13Q0940P	13Q	G100YR24HR	12.51	90.30	88.95	0.0003	54175	12.50	133.83	12.56	134.82
13Q2290P	13Q	G002YR24HR	24.84	80.83	85.95	0.0001	55618	12.50	11.87	18.68	0.36
13Q2290P	13Q	G010YR24HR	17.84	83.28	85.95	0.0002	65811	12.50	26.95	19.95	5.41
13Q2290P	13Q	G025YR24HR	20.44	85.48	85.95	0.0002	77309	12.50	38.56	24.90	6.76
13Q2290P	13Q	G100YR24HR	22.70	88.33	85.95	0.0004	100956	12.42	60.10	29.28	8.07
13Q2291N	13Q	G002YR24HR	24.84	80.83	0.00	0.0002	2183	12.77	1.86	24.84	0.35
13Q2291N	13Q	G010YR24HR	17.87	83.11	0.00	0.0003	2183	17.14	6.33	17.83	6.30
13Q2291N	13Q	G025YR24HR	20.48	85.24	0.00	0.0002	2183	18.94	7.38	20.44	7.36
13Q2291N	13Q	G100YR24HR	22.74	88.01	0.00	0.0004	2183	12.82	9.40	22.71	8.60
13Q2292N	13Q	G002YR24HR	25.06	77.01	0.00	0.0000	2300	24.84	0.35	24.76	0.35
13Q2292N	13Q	G010YR24HR	17.94	78.23	0.00	0.0000	2216	17.83	6.30	17.85	6.30
13Q2292N	13Q	G025YR24HR	20.78	78.44	0.00	0.0002	2218	20.44	7.36	20.55	7.36
13Q2292N	13Q	G100YR24HR	22.79	78.81	0.00	0.0003	2204	22.71	8.60	23.15	8.60
13Q2293N	13Q	G002YR24HR	16.52	76.06	0.00	0.0000	2607	24.76	0.35	24.53	0.36
13Q2293N	13Q	G010YR24HR	17.79	76.84	0.00	0.0003	2578	17.85	6.30	18.04	6.30
13Q2293N	13Q	G025YR24HR	20.18	77.02	0.00	0.0003	2546	20.55	7.36	20.54	7.36
13Q2293N	13Q	G100YR24HR	20.06	77.30	0.00	0.0003	2392	23.15	8.60	24.58	8.61
13Q2294N	13Q	G002YR24HR	16.45	76.05	0.00	0.0006	2298	24.53	0.36	24.51	0.38
13Q2294N	13Q	G010YR24HR	17.65	76.43	0.00	0.0010	2293	18.04	6.30	18.01	6.31
13Q2294N	13Q	G025YR24HR	19.81	76.52	0.00	0.0011	2280	20.54	7.36	20.48	7.37
13Q2294N	13Q	G100YR24HR	12.20	76.79	0.00	0.0005	2296	24.58	8.61	24.54	8.63
13Q2295N	13Q	G002YR24HR	16.42	76.05	0.00	0.0010	2180	24.51	0.38	24.50	0.39
13Q2295N	13Q	G010YR24HR	17.63	76.36	0.00	0.0007	2180	18.01	6.31	17.98	6.31
13Q2295N	13Q	G025YR24HR	12.41	76.50	0.00	0.0005	2180	20.48	7.37	20.44	7.37
13Q2295N	13Q	G100YR24HR	12.19	76.78	0.00	0.0004	2180	24.54	8.63	24.53	8.65
13Q2296N	13Q	G002YR24HR	16.41	76.05	0.00	0.0006	2183	24.50	0.39	24.50	0.41
13Q2296N	13Q	G010YR24HR	12.51	76.32	0.00	0.0005	2183	17.98	6.31	17.94	6.31

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q2296N	13Q	G025YR24HR	12.34	76.51	0.00	0.0004	2183	20.44	7.37	20.40	7.37
13Q2296N	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	2183	24.53	8.65	24.51	8.67
13Q2300P	13Q	G002YR24HR	16.41	76.05	0.00	0.0002	24377	12.00	19.24	16.41	1.44
13Q2300P	13Q	G010YR24HR	12.49	76.33	0.00	0.0003	26616	12.03	30.60	12.49	17.09
13Q2300P	13Q	G025YR24HR	12.29	76.52	0.00	0.0004	28185	12.08	37.05	12.29	33.49
13Q2300P	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	30293	12.08	64.70	12.18	60.63
CEMETERY	13F	G002YR24HR	29.00	62.88	63.55	0.0001	121444	12.67	15.17	0.00	0.00
CEMETERY	13F	G010YR24HR	17.80	63.60	63.55	0.0001	175912	12.58	33.03	17.80	3.57
CEMETERY	13F	G025YR24HR	14.62	63.69	63.55	0.0001	182747	12.58	46.62	14.62	14.82
CEMETERY	13F	G100YR24HR	13.44	63.83	63.55	0.0001	193913	12.58	71.29	13.44	41.97
CONCORD	13M	G002YR24HR	24.34	58.01	58.95	0.0001	927697	12.08	169.06	24.24	8.87
CONCORD	13M	G010YR24HR	21.23	59.14	58.95	0.0001	991460	12.08	275.17	21.13	25.81
CONCORD	13M	G025YR24HR	19.90	59.86	58.95	0.0001	1061134	12.28	371.90	19.79	37.55
CONCORD	13M	G100YR24HR	20.96	61.23	58.95	0.0002	1194557	12.17	575.45	19.21	44.53
CRYSTBWL	13N	G002YR24HR	26.00	59.55	64.95	0.0000	382244	12.17	69.63	0.00	0.00
CRYSTBWL	13N	G010YR24HR	26.00	60.44	64.95	0.0001	408785	12.17	119.61	0.00	0.00
CRYSTBWL	13N	G025YR24HR	26.00	61.05	64.95	0.0001	426368	12.17	154.79	0.00	0.00
CRYSTBWL	13N	G100YR24HR	26.00	62.08	64.95	0.0001	457097	12.17	216.29	0.00	0.00
DUCKPOND	13F	G002YR24HR	25.50	50.60	57.25	0.0001	33227	12.08	10.06	0.00	0.00
DUCKPOND	13F	G010YR24HR	25.50	52.70	57.25	0.0002	37914	12.08	23.82	0.00	0.00
DUCKPOND	13F	G025YR24HR	25.50	54.04	57.25	0.0003	46253	12.08	34.51	0.00	0.00
DUCKPOND	13F	G100YR24HR	25.50	56.07	57.25	0.0004	58872	12.08	54.17	0.00	0.00
ELLEN	13M	G002YR24HR	25.50	65.42	67.75	0.0000	237355	12.08	24.22	0.00	0.00
ELLEN	13M	G010YR24HR	25.50	65.89	67.75	0.0000	249205	12.08	45.28	0.00	0.00
ELLEN	13M	G025YR24HR	25.50	66.22	67.75	0.0001	258383	12.08	60.42	0.00	0.00
ELLEN	13M	G100YR24HR	25.50	66.80	67.75	0.0001	274456	12.08	87.07	0.00	0.00
EVERGRN	13I	G002YR24HR	13.26	60.07	63.95	0.0001	164981	12.52	129.21	13.26	110.31
EVERGRN	13I	G010YR24HR	19.91	60.63	63.95	0.0001	176837	12.67	235.41	12.87	228.21
EVERGRN	13I	G025YR24HR	20.48	61.50	63.95	0.0002	194638	12.60	340.46	12.72	334.69
EVERGRN	13I	G100YR24HR	19.34	62.86	63.95	0.0002	224572	12.60	532.71	12.66	527.99
FAIRY	13I	G002YR24HR	27.01	53.96	53.95	0.0000	2416879	12.08	306.31	27.00	44.96
FAIRY	13I	G010YR24HR	30.38	55.31	53.95	0.0001	2588082	12.08	548.25	30.36	74.20
FAIRY	13I	G025YR24HR	33.16	56.45	53.95	0.0001	2777348	12.08	715.56	33.16	91.00
FAIRY	13I	G100YR24HR	33.96	58.51	53.95	0.0001	3335853	12.08	1005.96	33.96	112.12
FERN	13I	G002YR24HR	13.69	62.67	62.45	0.0001	166517	12.08	35.29	13.69	3.89
FERN	13I	G010YR24HR	24.25	63.17	62.45	0.0001	176153	12.08	63.97	12.67	23.33
FERN	13I	G025YR24HR	17.81	63.29	62.45	0.0001	178794	12.08	84.39	12.51	41.87
FERN	13I	G100YR24HR	14.03	63.54	62.45	0.0001	184470	12.08	120.22	12.39	76.47
GEM	13I	G002YR24HR	25.50	71.57	73.35	0.0000	210221	12.08	23.32	0.00	0.00
GEM	13I	G010YR24HR	25.50	72.12	73.35	0.0001	225177	12.08	45.47	0.00	0.00
GEM	13I	G025YR24HR	25.50	72.50	73.35	0.0001	239974	12.08	61.61	0.00	0.00
GEM	13I	G100YR24HR	25.50	73.14	73.35	0.0001	275077	12.08	90.21	0.00	0.00
GRASSY	13P	G002YR24HR	16.32	84.28	86.95	0.0001	533464	12.17	123.43	16.30	34.38
GRASSY	13P	G010YR24HR	17.64	85.00	86.95	0.0001	558680	12.19	215.57	17.59	51.94
GRASSY	13P	G025YR24HR	16.12	85.37	86.95	0.0001	570155	12.17	271.10	16.03	61.29
GRASSY	13P	G100YR24HR	15.05	86.29	86.95	0.0002	598852	12.08	382.19	15.02	84.29

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
GRIFFIN	13K	G002YR24HR	18.25	75.48	75.95	0.0000	731785	12.47	57.11	18.19	18.89
GRIFFIN	13K	G010YR24HR	16.24	76.23	75.95	0.0000	846580	12.81	145.13	16.39	43.00
GRIFFIN	13K	G025YR24HR	14.76	76.51	75.95	0.0001	894796	12.58	246.27	14.76	86.85
GRIFFIN	13K	G100YR24HR	13.59	76.86	75.95	0.0001	955179	12.42	435.29	13.59	190.30
HODGE	13H	G002YR24HR	72.00	52.01	53.05	0.0000	963299	12.08	73.21	0.00	0.00
HODGE	13H	G010YR24HR	72.00	52.55	53.05	0.0000	1010226	12.08	153.30	0.00	0.00
HODGE	13H	G025YR24HR	72.00	52.94	53.05	0.0001	1044469	12.08	212.63	0.00	0.00
HODGE	13H	G100YR24HR	21.89	53.24	53.05	0.0001	1068739	12.08	318.99	21.89	13.46
IRENE-N	13H	G002YR24HR	25.50	55.87	0.00	0.0000	391708	12.08	62.62	0.00	0.00
IRENE-N	13H	G010YR24HR	27.16	56.55	0.00	0.0001	420329	12.08	103.98	0.00	0.00
IRENE-N	13H	G025YR24HR	29.47	57.02	0.00	0.0001	439781	12.08	132.84	0.00	0.00
IRENE-N	13H	G100YR24HR	25.50	57.81	0.00	0.0001	469381	12.08	182.88	0.00	0.00
IRENE-S	13H	G002YR24HR	25.50	56.60	0.00	0.0001	239022	12.08	65.86	0.00	0.00
IRENE-S	13H	G010YR24HR	25.50	57.85	0.00	0.0001	264970	12.08	123.56	0.00	0.00
IRENE-S	13H	G025YR24HR	25.50	58.72	0.00	0.0002	282268	12.08	165.54	0.00	0.00
IRENE-S	13H	G100YR24HR	25.50	60.11	0.00	0.0002	338436	12.08	240.06	0.00	0.00
JANE	13I	G002YR24HR	27.50	65.73	66.05	0.0001	97277	12.42	17.56	0.00	0.00
JANE	13I	G010YR24HR	13.94	66.46	66.05	0.0001	111413	12.72	48.49	13.94	38.15
JANE	13I	G025YR24HR	13.26	66.67	66.05	0.0002	115852	12.58	81.75	13.26	70.14
JANE	13I	G100YR24HR	12.81	67.06	66.05	0.0003	123356	12.56	158.44	12.81	144.89
JESUP	13A	G002YR24HR	0.00	8.75	0.00	0.0000	11528	15.37	587.11	0.00	0.00
JESUP	13A	G010YR24HR	0.00	8.75	0.00	0.0000	11528	15.60	1008.42	0.00	0.00
JESUP	13A	G025YR24HR	0.00	8.75	0.00	0.0000	11528	15.68	1277.17	0.00	0.00
JESUP	13A	G100YR24HR	0.00	8.75	0.00	0.0000	11528	15.90	1661.99	0.00	0.00
KATHRYN	13A	G002YR24HR	33.78	51.68	51.95	0.0000	3535454	12.33	410.14	31.80	138.85
KATHRYN	13A	G010YR24HR	31.44	52.74	51.95	0.0001	3740298	12.33	634.82	29.89	251.49
KATHRYN	13A	G025YR24HR	30.18	53.27	51.95	0.0001	3913317	12.33	790.90	28.73	326.80
KATHRYN	13A	G100YR24HR	26.31	53.94	51.95	0.0001	4168602	12.33	1071.81	25.79	469.09
LOST	13N	G002YR24HR	28.93	52.10	53.95	0.0000	820827	12.44	96.44	13.96	23.09
LOST	13N	G010YR24HR	26.84	53.29	53.95	0.0001	981094	12.33	176.13	13.63	44.73
LOST	13N	G025YR24HR	27.23	54.04	53.95	0.0001	1041439	12.27	218.19	13.28	56.08
LOST	13N	G100YR24HR	27.30	55.10	53.95	0.0001	1119102	12.25	287.40	12.72	61.06
LOTUS	13K	G002YR24HR	26.50	83.50	85.85	0.0000	190585	12.33	11.23	0.00	0.00
LOTUS	13K	G010YR24HR	26.50	84.30	85.85	0.0000	210573	12.25	33.68	0.00	0.00
LOTUS	13K	G025YR24HR	26.50	84.91	85.85	0.0001	231525	12.25	52.82	0.00	0.00
LOTUS	13K	G100YR24HR	26.50	85.90	85.85	0.0001	296083	12.25	89.62	0.00	0.00
LPRAIRIE	13P	G002YR24HR	25.50	92.42	91.95	0.0001	398497	12.08	52.64	0.00	0.00
LPRAIRIE	13P	G010YR24HR	13.69	92.62	91.95	0.0001	442871	12.08	91.65	13.69	9.14
LPRAIRIE	13P	G025YR24HR	13.73	92.94	91.95	0.0001	510829	12.08	119.16	18.00	13.84
LPRAIRIE	13P	G100YR24HR	12.59	93.14	91.95	0.0001	554696	12.08	167.27	12.65	70.72
LWILDMER	13I	G002YR24HR	26.43	62.60	63.45	0.0000	408769	12.42	17.79	0.00	0.00
LWILDMER	13I	G010YR24HR	24.31	63.17	63.45	0.0000	490879	12.45	64.22	24.31	2.11
LWILDMER	13I	G025YR24HR	17.86	63.28	63.45	0.0001	514537	12.42	106.74	17.86	8.24
LWILDMER	13I	G100YR24HR	14.01	63.53	63.45	0.0001	565412	12.33	185.47	14.01	35.00
MALTBIE	13P	G002YR24HR	15.41	86.14	83.95	0.0003	323697	12.25	223.27	12.89	21.04
MALTBIE	13P	G010YR24HR	17.90	88.05	83.95	0.0003	987420	12.25	378.71	12.21	21.04
MALTBIE	13P	G025YR24HR	20.17	88.82	83.95	0.0003	1122068	12.25	487.91	11.99	21.04

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
MALTBIE	13P	G100YR24HR	23.70	90.07	83.95	0.0004	1338656	12.25	678.87	11.36	21.04
ORANGE	13I	G002YR24HR	25.50	73.89	0.00	0.0001	138917	12.08	39.17	0.00	0.00
ORANGE	13I	G010YR24HR	25.50	74.98	0.00	0.0001	176795	12.08	69.79	0.00	0.00
ORANGE	13I	G025YR24HR	18.64	75.30	0.00	0.0002	179578	12.08	91.48	18.64	3.27
ORANGE	13I	G100YR24HR	12.94	75.46	0.00	0.0002	180904	12.08	129.49	12.94	26.25
OXFORD	13L	G002YR24HR	13.00	70.85	72.95	0.0005	230569	12.23	113.94	13.00	74.68
OXFORD	13L	G010YR24HR	13.66	71.90	72.95	0.0005	283591	12.16	198.02	13.92	119.10
OXFORD	13L	G025YR24HR	14.04	73.15	72.95	0.0005	341234	12.47	270.46	14.38	131.08
OXFORD	13L	G100YR24HR	13.37	74.42	72.95	0.0005	423468	12.30	441.72	13.35	239.82
PEARL	13P	G002YR24HR	72.00	85.88	86.95	0.0000	622225	12.17	77.27	0.00	0.00
PEARL	13P	G010YR24HR	72.00	86.74	86.95	0.0001	661686	12.17	126.47	0.00	0.00
PEARL	13P	G025YR24HR	72.00	87.31	86.95	0.0001	789185	12.17	162.14	0.00	0.00
PEARL	13P	G100YR24HR	72.00	88.19	86.95	0.0001	1075939	12.17	223.79	72.00	0.23
PINEYRDG	13P	G002YR24HR	20.81	83.95	85.95	0.0002	47893	12.25	28.62	20.81	1.97
PINEYRDG	13P	G010YR24HR	17.03	85.22	85.95	0.0002	70107	12.25	47.14	17.03	2.96
PINEYRDG	13P	G025YR24HR	16.98	86.25	85.95	0.0003	97682	12.25	60.12	16.98	3.76
PINEYRDG	13P	G100YR24HR	18.94	87.52	85.95	0.0004	179572	12.25	82.82	12.86	3.92
PLAZA	13K	G002YR24HR	25.50	74.54	75.65	0.0000	130578	12.08	13.15	0.00	0.00
PLAZA	13K	G010YR24HR	25.50	74.92	75.65	0.0000	141658	12.08	21.86	0.00	0.00
PLAZA	13K	G025YR24HR	25.50	75.17	75.65	0.0001	152232	12.08	27.96	0.00	0.00
PLAZA	13K	G100YR24HR	25.50	75.57	75.65	0.0001	170096	12.08	38.64	0.00	0.00
POND2	13L	G002YR24HR	13.93	52.50	54.00	0.0001	172715	12.34	78.20	13.84	32.41
POND2	13L	G010YR24HR	14.26	53.83	54.00	0.0002	183846	12.33	139.86	13.37	51.17
POND2	13L	G025YR24HR	14.72	54.80	54.00	0.0002	300293	12.29	185.97	13.18	56.74
POND2	13L	G100YR24HR	15.98	56.17	54.00	0.0003	333434	12.26	265.54	13.30	62.91
POND5	13N	G002YR24HR	12.55	62.05	63.00	0.0002	37995	12.25	33.20	12.55	27.59
POND5	13N	G010YR24HR	12.64	62.69	63.00	0.0001	40282	12.25	57.13	12.62	42.22
POND5	13N	G025YR24HR	12.88	63.21	63.00	0.0002	239094	12.25	73.99	12.17	41.68
POND5	13N	G100YR24HR	13.25	63.49	63.00	0.0003	473844	12.25	103.47	12.01	41.40
POND7	13L	G002YR24HR	12.90	55.09	58.00	0.0003	133788	12.08	140.98	13.14	53.97
POND7	13L	G010YR24HR	12.76	56.83	58.00	0.0004	146805	12.08	241.55	12.75	109.26
POND7	13L	G025YR24HR	12.45	57.13	58.00	0.0004	149411	12.08	312.34	12.45	228.14
POND7	13L	G100YR24HR	12.25	57.35	58.00	0.0006	151662	12.08	436.16	12.24	405.71
POND8A	13L	G002YR24HR	13.33	56.45	58.00	0.0001	209476	12.61	135.69	13.33	124.73
POND8A	13L	G010YR24HR	13.43	56.77	58.00	0.0001	214772	12.11	193.35	13.43	183.60
POND8A	13L	G025YR24HR	15.05	57.13	58.00	0.0001	224451	12.08	213.22	12.92	201.85
POND8A	13L	G100YR24HR	15.12	58.03	58.00	0.0001	269623	12.08	248.07	12.41	224.33
POND8B	13L	G002YR24HR	13.13	56.94	58.00	0.0002	91299	12.42	161.23	12.91	137.00
POND8B	13L	G010YR24HR	13.29	57.89	58.00	0.0002	249504	12.33	253.13	13.25	203.40
POND8B	13L	G025YR24HR	13.05	58.23	58.00	0.0002	262487	12.25	302.72	13.04	256.35
POND8B	13L	G100YR24HR	14.00	58.64	58.00	0.0002	272785	12.48	398.79	12.71	369.04
PRAIRIE	13P	G002YR24HR	72.00	85.88	87.95	0.0000	5705487	12.25	681.66	13.86	3.75
PRAIRIE	13P	G010YR24HR	72.00	86.74	87.95	0.0001	6118188	12.21	1114.95	13.85	5.33
PRAIRIE	13P	G025YR24HR	72.00	87.31	87.95	0.0001	6420649	12.17	1410.84	13.85	5.71
PRAIRIE	13P	G100YR24HR	72.00	88.19	87.95	0.0001	6895351	12.17	1919.28	24.50	7.24
QUAIL	13M	G002YR24HR	19.73	62.66	65.95	0.0000	156293	12.08	26.47	19.73	0.87

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
QUAIL	13M	G010YR24HR	20.14	63.18	65.95	0.0001	160302	12.08	44.04	19.84	1.28
QUAIL	13M	G025YR24HR	23.25	63.60	65.95	0.0001	167646	12.08	56.36	13.38	1.39
QUAIL	13M	G100YR24HR	24.13	64.36	65.95	0.0001	181345	12.08	77.88	12.35	1.44
QUEENS	13L	G002YR24HR	15.90	52.60	53.95	0.0001	698310	12.39	244.25	15.14	120.00
QUEENS	13L	G010YR24HR	16.71	53.78	53.95	0.0001	783330	12.31	369.37	15.60	247.23
QUEENS	13L	G025YR24HR	24.09	54.36	53.95	0.0002	821218	12.52	592.98	15.08	324.23
QUEENS	13L	G100YR24HR	24.42	55.43	53.95	0.0002	891628	12.26	892.28	14.17	454.12
SECRET	13M	G002YR24HR	15.93	52.08	52.95	0.0001	579524	12.33	113.47	14.80	21.04
SECRET	13M	G010YR24HR	27.93	53.40	52.95	0.0001	787104	12.33	182.47	14.21	35.91
SECRET	13M	G025YR24HR	30.51	54.37	52.95	0.0001	1050252	12.41	221.88	13.96	40.19
SECRET	13M	G100YR24HR	37.44	55.60	52.95	0.0001	1371724	12.47	297.92	47.17	42.16
TRIPLT-M	13L	G002YR24HR	29.00	52.09	51.95	0.0000	2878362	12.08	275.95	25.81	75.63
TRIPLT-M	13L	G010YR24HR	26.86	53.29	51.95	0.0000	3137873	12.08	468.89	22.62	147.48
TRIPLT-M	13L	G025YR24HR	27.23	54.04	51.95	0.0001	3294531	12.08	629.80	21.11	192.39
TRIPLT-M	13L	G100YR24HR	27.30	55.10	51.95	0.0001	3570487	12.08	889.49	25.38	264.39
TRIPLT-N	13L	G002YR24HR	30.49	51.91	52.25	0.0000	1160072	12.33	130.80	27.95	71.80
TRIPLT-N	13L	G010YR24HR	28.79	53.05	52.25	0.0001	1378690	12.33	216.13	25.00	135.32
TRIPLT-N	13L	G025YR24HR	28.40	53.78	52.25	0.0001	1546202	12.33	279.99	26.61	170.08
TRIPLT-N	13L	G100YR24HR	28.07	54.75	52.25	0.0001	1693383	12.25	391.15	27.93	257.33
TRIPLT-S	13L	G002YR24HR	28.80	52.10	0.00	0.0000	1423415	12.08	177.40	16.66	86.39
TRIPLT-S	13L	G010YR24HR	26.85	53.29	0.00	0.0001	1668757	12.08	315.81	15.97	192.58
TRIPLT-S	13L	G025YR24HR	27.22	54.04	0.00	0.0001	1791368	12.08	414.82	14.58	238.72
TRIPLT-S	13L	G100YR24HR	27.30	55.10	0.00	0.0001	1939718	12.08	601.78	14.77	315.52
TROUT	13K	G002YR24HR	20.15	79.21	80.65	0.0000	791990	12.08	100.48	20.09	4.15
TROUT	13K	G010YR24HR	20.18	79.70	80.65	0.0001	848296	12.08	198.42	20.14	6.54
TROUT	13K	G025YR24HR	20.17	80.04	80.65	0.0001	885138	12.08	261.15	20.14	8.24
TROUT	13K	G100YR24HR	20.25	80.60	80.65	0.0001	938728	12.08	369.74	20.23	10.80
WILDMERE	13I	G002YR24HR	19.08	59.22	57.95	0.0000	1657671	12.50	196.58	31.09	40.82
WILDMERE	13I	G010YR24HR	20.08	60.62	57.95	0.0001	1851681	12.69	441.49	20.19	65.59
WILDMERE	13I	G025YR24HR	20.50	61.49	57.95	0.0001	1983669	12.70	662.91	20.47	109.24
WILDMERE	13I	G100YR24HR	19.37	62.86	57.95	0.0002	2209649	12.59	1127.59	19.04	170.12
YVONNE	13N	G002YR24HR	17.70	53.79	53.95	0.0001	1221550	12.25	284.12	18.31	20.86
YVONNE	13N	G010YR24HR	16.07	54.86	53.95	0.0001	1573117	12.25	520.62	18.15	47.18
YVONNE	13N	G025YR24HR	15.99	55.54	53.95	0.0002	1847905	12.25	690.74	17.90	62.24
YVONNE	13N	G100YR24HR	16.15	56.59	53.95	0.0002	2338189	12.25	991.06	17.08	83.14

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.9 Input Data – Scenario 3

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         Name: 13A0100B                Node: 13A0100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.940                      Time Shift(hrs): 0.00
         Curve Number: 84.91              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0300B                Node: 13A0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 107.00
            Area(ac): 29.540                     Time Shift(hrs): 0.00
         Curve Number: 81.06              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0600B                Node: 13A0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 124.00
            Area(ac): 9.680                      Time Shift(hrs): 0.00
         Curve Number: 92.05              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0725B                Node: 13A0725N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.520                      Time Shift(hrs): 0.00
         Curve Number: 82.88              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0735B                Node: 13A0735P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 62.00
            Area(ac): 20.270                     Time Shift(hrs): 0.00
         Curve Number: 87.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0800B                Node: 13A0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 16.420                     Time Shift(hrs): 0.00
         Curve Number: 73.45              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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         Name: 13A0820B                Node: 13A0820P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN
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       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 160.00
             Area(ac): 34.270                    Time Shift(hrs): 0.00
        Curve Number: 89.89                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


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        Name: 13A0950B                 Node: 13A0950N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.900                    Time Shift(hrs): 0.00
        Curve Number: 76.25                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1000B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.360                     Time Shift(hrs): 0.00
        Curve Number: 77.41                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1001B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 64.00
             Area(ac): 12.670                    Time Shift(hrs): 0.00
        Curve Number: 72.34                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1002B                 Node: 13A1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.580                     Time Shift(hrs): 0.00
        Curve Number: 84.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1101B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 89.00
             Area(ac): 23.280                    Time Shift(hrs): 0.00
        Curve Number: 81.85                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A1102B                 Node: 13A1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.660                     Time Shift(hrs): 0.00
        Curve Number: 84.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13A1300B                 Node: 13A1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 10.410                   Time Shift(hrs): 0.00
         Curve Number: 86.80              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A1400B                 Node: 13A1400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.680                    Time Shift(hrs): 0.00
         Curve Number: 79.51              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A1600B                 Node: 13A1600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.200                    Time Shift(hrs): 0.00
         Curve Number: 89.98              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A1601B                 Node: 13A1600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
             Area(ac): 7.720                    Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A1700B                 Node: 13A1700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.910                    Time Shift(hrs): 0.00
         Curve Number: 89.75              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A1701B                 Node: 13A1700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 30.960                   Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A1800B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.670                    Time Shift(hrs): 0.00
           Curve Number: 89.30              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1801B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 6.580                    Time Shift(hrs): 0.00
           Curve Number: 83.20              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1802B                 Node: 13A1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 1.710                    Time Shift(hrs): 0.00
           Curve Number: 80.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1901B                 Node: 13A1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 28.00
              Area(ac): 14.830                   Time Shift(hrs): 0.00
           Curve Number: 84.14              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A1902B                 Node: 13A1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 2.410                    Time Shift(hrs): 0.00
           Curve Number: 76.94              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A2100B                 Node: 13A2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 4.370                    Time Shift(hrs): 0.00
           Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13A2200B                 Node: 13A2200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 7.230                    Time Shift(hrs): 0.00
           Curve Number: 91.93              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A2201B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 20.390                     Time Shift(hrs): 0.00
         Curve Number: 82.68               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2202B                Node: 13A2200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.910                      Time Shift(hrs): 0.00
         Curve Number: 80.57               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2220B                Node: 13A2220P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 17.460                     Time Shift(hrs): 0.00
         Curve Number: 66.07               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2300B                Node: 13A2300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.700                      Time Shift(hrs): 0.00
         Curve Number: 83.98               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2350B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.980                      Time Shift(hrs): 0.00
         Curve Number: 89.67               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2351B                Node: 13A2350N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.650                      Time Shift(hrs): 0.00
         Curve Number: 83.92               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2400B                Node: 13A2400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 5.280                    Time Shift(hrs): 0.00
        Curve Number: 83.77             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2600B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.600                    Time Shift(hrs): 0.00
        Curve Number: 90.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2601B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 34.00
            Area(ac): 35.030                   Time Shift(hrs): 0.00
        Curve Number: 78.69             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2701B                Node: 13A2600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.870                    Time Shift(hrs): 0.00
        Curve Number: 82.29             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2750B                Node: 13A2750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 16.880                   Time Shift(hrs): 0.00
        Curve Number: 80.67             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2820B                Node: 13A2820P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 10.590                   Time Shift(hrs): 0.00
        Curve Number: 82.14             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------
        Name: 13A2900B                Node: 13A2900N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 82.00
            Area(ac): 22.470                   Time Shift(hrs): 0.00
        Curve Number: 69.30             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13A2901B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 118.00
            Area(ac): 43.380                    Time Shift(hrs): 0.00
         Curve Number: 73.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2902B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 77.00
            Area(ac): 39.360                    Time Shift(hrs): 2.22
         Curve Number: 65.83             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A2903B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 96.00
            Area(ac): 33.570                    Time Shift(hrs): 4.30
         Curve Number: 52.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3200B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.420                     Time Shift(hrs): 0.00
         Curve Number: 85.41             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3201B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 25.00
            Area(ac): 16.280                    Time Shift(hrs): 0.00
         Curve Number: 83.40             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3202B                Node: 13A3200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.970                     Time Shift(hrs): 0.00
         Curve Number: 75.92             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13A3300B                Node: 13A3300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.210                   Time Shift(hrs): 0.00
           Curve Number: 87.18              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3320B                 Node: 13A3320P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.340                  Time Shift(hrs): 0.00
           Curve Number: 77.64              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3400B                 Node: 13A3400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 40.400                  Time Shift(hrs): 0.00
           Curve Number: 83.51              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3420B                 Node: 13A3420P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.660                   Time Shift(hrs): 0.00
           Curve Number: 70.01              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3440B                 Node: 13A3440P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 182.00
               Area(ac): 19.240                  Time Shift(hrs): 0.00
           Curve Number: 56.10              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3600B                 Node: 13A3600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.700                   Time Shift(hrs): 0.00
           Curve Number: 86.31              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A3910B                 Node: 13A3910P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 12.290                  Time Shift(hrs): 0.00
           Curve Number: 85.67              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13A3920B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.210                  Time Shift(hrs): 0.00
        Curve Number: 93.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3921B                Node: 13A3920P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.560                  Time Shift(hrs): 0.00
        Curve Number: 83.28             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3930B                Node: 13A3930N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 21.000                  Time Shift(hrs): 0.00
        Curve Number: 83.49             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3940B                Node: 13A3940N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.500                   Time Shift(hrs): 0.00
        Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3950B                Node: 13A3950N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 9.990                   Time Shift(hrs): 0.00
        Curve Number: 83.78             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3952B                Node: 13A3952P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 102.00
            Area(ac): 46.940                  Time Shift(hrs): 0.00
        Curve Number: 67.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13A3954B                Node: 13A3954P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
```

```
             Area(ac): 35.320                 Time Shift(hrs): 0.00
         Curve Number: 65.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3956B                Node: 13A3954P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.820                  Time Shift(hrs): 0.00
         Curve Number: 56.11             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3960B                Node: 13A3960P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 8.560                  Time Shift(hrs): 0.00
         Curve Number: 72.26             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3962B                Node: 13A3962P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
             Area(ac): 24.070                 Time Shift(hrs): 0.00
         Curve Number: 81.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3964B                Node: 13A3962P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 16.340                 Time Shift(hrs): 0.00
         Curve Number: 84.78             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A3990B                Node: 13A3990P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 38.570                 Time Shift(hrs): 0.00
         Curve Number: 72.37             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4000B                Node: 13A4000N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.450                  Time Shift(hrs): 0.00
         Curve Number: 93.63             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


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```

```
        Name: 13A4120B                Node: 13A4120P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.400                    Time Shift(hrs): 0.00
        Curve Number: 86.21               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4200B                Node: 13A4200N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.700                     Time Shift(hrs): 0.00
        Curve Number: 90.79               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4300B                Node: 13A4300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 20.100                    Time Shift(hrs): 0.00
        Curve Number: 87.40               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4301B                Node: 13A4300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.530                    Time Shift(hrs): 0.00
        Curve Number: 80.75               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4700B                Node: 13A4700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 19.780                    Time Shift(hrs): 0.00
        Curve Number: 81.93               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4701B                Node: 13A4700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.320                     Time Shift(hrs): 0.00
        Curve Number: 83.02               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13A4720B                Node: 13A4700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 15.640                    Time Shift(hrs): 0.00
```

```
          Curve Number: 49.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A4721B                Node: 13A4700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 17.010                  Time Shift(hrs): 0.50
          Curve Number: 48.27             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5001B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.770                  Time Shift(hrs): 0.00
          Curve Number: 91.93             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5002B                Node: 13A5000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.910                   Time Shift(hrs): 0.00
          Curve Number: 88.11             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5100B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.790                  Time Shift(hrs): 0.00
          Curve Number: 93.87             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5101B                Node: 13A5100N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 11.780                  Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5300B                Node: 13A5300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.350                   Time Shift(hrs): 0.00
          Curve Number: 88.04             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A5320B                Node: 13A5320P              Status: Onsite
```

```
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.540                   Time Shift(hrs): 0.00
          Curve Number: 61.91               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A5400B                 Node: 13A5400N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
             Area(ac): 23.730                   Time Shift(hrs): 0.00
          Curve Number: 83.93               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A5500B                 Node: 13A5500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.830                   Time Shift(hrs): 0.00
          Curve Number: 79.14               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A5600B                 Node: 13A5600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.440                   Time Shift(hrs): 0.00
          Curve Number: 87.94               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A5800B                 Node: 13A5800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.780                    Time Shift(hrs): 0.00
          Curve Number: 91.93               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A6000B                 Node: 13A6000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 96.640                   Time Shift(hrs): 0.00
          Curve Number: 85.25               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13A6200B                 Node: KATHRYN                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 43.00
             Area(ac): 160.110                  Time Shift(hrs): 0.00
          Curve Number: 92.44               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13A6201B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.140                     Time Shift(hrs): 0.00
        Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0200B                 Node: 13B0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 63.00
            Area(ac): 11.350                    Time Shift(hrs): 0.00
        Curve Number: 63.39              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0400B                 Node: 13B0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.210                    Time Shift(hrs): 0.00
        Curve Number: 39.42              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0500B                 Node: 13B0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.890                     Time Shift(hrs): 0.00
        Curve Number: 46.74              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0710B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
            Area(ac): 39.600                    Time Shift(hrs): 0.00
        Curve Number: 83.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13B0740B                 Node: 13B0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                     Time Shift(hrs): 0.00
        Curve Number: 73.59              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C0100B                 Node: 13C0100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 12.900                    Time Shift(hrs): 0.00
        Curve Number: 79.91               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0500B                 Node: 13C0500N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.050                     Time Shift(hrs): 0.00
        Curve Number: 85.04               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0600B                 Node: 13C0600N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 10.760                    Time Shift(hrs): 0.00
        Curve Number: 93.51               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C0800B                 Node: 13C0800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 1.120                     Time Shift(hrs): 0.00
        Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1000B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.850                     Time Shift(hrs): 0.00
        Curve Number: 93.10               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1001B                 Node: 13C1000N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.180                     Time Shift(hrs): 0.00
        Curve Number: 84.03               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1100B                 Node: 13C1100N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 7.320                     Time Shift(hrs): 0.00
        Curve Number: 93.19               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13C1120B                 Node: 13C1100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
            Area(ac): 25.520                     Time Shift(hrs): 0.00
        Curve Number: 86.05                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1200B                 Node: 13C1200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.810                      Time Shift(hrs): 0.00
        Curve Number: 93.10                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1201B                 Node: 13C1200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.800                      Time Shift(hrs): 0.00
        Curve Number: 84.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1300B                 Node: 13C1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.500                      Time Shift(hrs): 0.00
        Curve Number: 94.14                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1301B                 Node: 13C1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.550                      Time Shift(hrs): 0.00
        Curve Number: 84.00                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1350B                 Node: 13C1350N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 190.00
            Area(ac): 155.510                    Time Shift(hrs): 0.00
        Curve Number: 77.01                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1370B                 Node: 13C1350N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 20.750                   Time Shift(hrs): 4.67
          Curve Number: 63.02               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1400B                 Node: 13C1400N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.700                    Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1700B                 Node: 13C1700N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 5.440                    Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1800B                 Node: 13C1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 10.250                   Time Shift(hrs): 0.00
          Curve Number: 84.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1801B                 Node: 13C1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 49.00
             Area(ac): 24.790                   Time Shift(hrs): 0.00
          Curve Number: 72.88               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1802B                 Node: 13C1800N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 77.00
             Area(ac): 56.830                   Time Shift(hrs): 0.00
          Curve Number: 61.06               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13C1850B                 Node: 13C1850N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 96.00
             Area(ac): 36.200                   Time Shift(hrs): 0.00
          Curve Number: 89.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13C1851B                Node: 13C1850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.470                      Time Shift(hrs): 0.00
         Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1900B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.770                      Time Shift(hrs): 0.00
         Curve Number: 77.74              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C1901B                Node: 13C1900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 102.00
            Area(ac): 29.990                     Time Shift(hrs): 1.45
         Curve Number: 61.77              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2200B                Node: 13C2200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
            Area(ac): 26.820                     Time Shift(hrs): 0.00
         Curve Number: 73.57              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2220B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 12.640                     Time Shift(hrs): 0.00
         Curve Number: 64.92              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2240B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.330                     Time Shift(hrs): 0.00
         Curve Number: 57.04              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2260B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 18.530                   Time Shift(hrs): 0.00
         Curve Number: 66.44             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2280B                Node: 13A2900N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 30.00
            Area(ac): 105.650                  Time Shift(hrs): 0.00
         Curve Number: 69.14             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2400B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.670                   Time Shift(hrs): 0.00
         Curve Number: 89.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2401B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 19.320                   Time Shift(hrs): 0.00
         Curve Number: 65.01             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13C2402B                Node: 13C2400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 25.00
            Area(ac): 30.120                   Time Shift(hrs): 0.00
         Curve Number: 75.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0170B                Node: 13D0170P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 11.270                   Time Shift(hrs): 0.00
         Curve Number: 85.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0310B                Node: 13D0310N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.090                    Time Shift(hrs): 0.00
         Curve Number: 84.22             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13D0330B                Node: 13D0330N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 36.380                    Time Shift(hrs): 0.00
         Curve Number: 83.88             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0610B                Node: 13D0500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 19.050                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0630B                Node: 13D0700N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.720                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0750B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.860                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0751B                Node: 13D0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
            Area(ac): 24.450                    Time Shift(hrs): 0.00
         Curve Number: 85.34             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0801B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 46.00
            Area(ac): 34.950                    Time Shift(hrs): 0.00
         Curve Number: 81.71             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13D0802B                Node: 13D0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
               Area(ac): 14.050                  Time Shift(hrs): 0.00
           Curve Number: 83.61               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0400B                 Node: 13F0400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
               Area(ac): 76.220                  Time Shift(hrs): 0.00
           Curve Number: 91.20               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0401B                 Node: 13F0400P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 134.00
               Area(ac): 16.420                  Time Shift(hrs): 0.00
           Curve Number: 86.85               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0410B                 Node: 13F0410P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.660                   Time Shift(hrs): 0.00
           Curve Number: 78.03               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0420B                 Node: 13F0420P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 9.050                   Time Shift(hrs): 0.00
           Curve Number: 80.34               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0430B                 Node: 13F0430P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
               Area(ac): 31.040                  Time Shift(hrs): 0.00
           Curve Number: 91.59               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13F0440B                 Node: 13F0440P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.760                   Time Shift(hrs): 0.00
           Curve Number: 99.51               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13F0450B                Node: 13F0450P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 75.00
            Area(ac): 13.600                  Time Shift(hrs): 0.00
        Curve Number: 84.54             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0750B                Node: 13F0750N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.430                  Time Shift(hrs): 0.00
        Curve Number: 65.24             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0760B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.520                  Time Shift(hrs): 0.00
        Curve Number: 62.08             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F0770B                Node: 13F0700N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 61.00
            Area(ac): 14.420                 Time Shift(hrs): 0.00
        Curve Number: 59.59             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1000B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 36.680                 Time Shift(hrs): 0.00
        Curve Number: 66.35             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1001B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 13.930                 Time Shift(hrs): 0.00
        Curve Number: 66.73             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13F1110B                Node: 13F1000P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
```

```
             Area(ac): 4.440                  Time Shift(hrs): 0.00
         Curve Number: 46.27              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1120B                 Node: 13F1000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.590                  Time Shift(hrs): 0.00
         Curve Number: 53.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1130B                 Node: 13F1000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 46.00
             Area(ac): 14.940                 Time Shift(hrs): 0.00
         Curve Number: 55.57              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1150B                 Node: 13F1000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 13.370                 Time Shift(hrs): 0.00
         Curve Number: 64.79              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1154B                 Node: 13F1154P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
             Area(ac): 12.260                 Time Shift(hrs): 0.00
         Curve Number: 48.78              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1158B                 Node: 13F1158P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
             Area(ac): 7.700                  Time Shift(hrs): 0.00
         Curve Number: 51.69              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13F1170B                 Node: 13F1000P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
             Area(ac): 11.600                 Time Shift(hrs): 0.00
         Curve Number: 59.52              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13F1300B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.160                     Time Shift(hrs): 0.00
        Curve Number: 85.73              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1301B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.380                     Time Shift(hrs): 0.00
        Curve Number: 62.89              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1320B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.830                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1324B                Node: CEMETERY              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 58.00
            Area(ac): 26.660                    Time Shift(hrs): 0.00
        Curve Number: 72.25              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1340B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
            Area(ac): 9.400                     Time Shift(hrs): 0.00
        Curve Number: 81.37              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1360B                Node: 13F1300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.170                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13F1374B                Node: 13F1374P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 23.00
            Area(ac): 10.870                    Time Shift(hrs): 0.00
```

```
          Curve Number: 73.73             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1378B                Node: 13F1378P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 18.970                  Time Shift(hrs): 0.00
          Curve Number: 58.14             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1380B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.480                   Time Shift(hrs): 0.00
          Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1400B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 8.810                   Time Shift(hrs): 0.00
          Curve Number: 83.97             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1404B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.270                   Time Shift(hrs): 0.00
          Curve Number: 84.71             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1420B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.140                   Time Shift(hrs): 0.00
          Curve Number: 83.16             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1440B                Node: 13F1300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.660                   Time Shift(hrs): 0.00
          Curve Number: 87.01             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13F1500B                Node: DUCKPOND              Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.080                    Time Shift(hrs): 0.00
         Curve Number: 67.70               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0400B                 Node: 13G0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 88.05               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0500B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 2.290                     Time Shift(hrs): 0.00
         Curve Number: 87.66               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0501B                 Node: 13G0500N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 52.00
             Area(ac): 16.240                    Time Shift(hrs): 0.00
         Curve Number: 87.15               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G0600B                 Node: 13G0600N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.630                     Time Shift(hrs): 0.00
         Curve Number: 85.71               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1200B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 37.360                    Time Shift(hrs): 0.00
         Curve Number: 93.38               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13G1201B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
             Area(ac): 6.490                     Time Shift(hrs): 0.00
         Curve Number: 69.30               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G1202B                 Node: 13G1200P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 24.210                    Time Shift(hrs): 0.00
        Curve Number: 84.26               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2200B                 Node: 13G2100N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 5.730                     Time Shift(hrs): 0.00
        Curve Number: 87.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13G2201B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 19.640                    Time Shift(hrs): 0.00
        Curve Number: 73.01               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0100B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 46.960                    Time Shift(hrs): 0.00
        Curve Number: 72.16               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0101B                 Node: HODGE                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 23.00
            Area(ac): 13.960                    Time Shift(hrs): 0.00
        Curve Number: 81.82               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0150B                 Node: 13H0150P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.270                    Time Shift(hrs): 0.00
        Curve Number: 79.17               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13H0200B                 Node: IRENE-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 32.110                    Time Shift(hrs): 0.00
        Curve Number: 76.25                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0220B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.270                     Time Shift(hrs): 0.00
        Curve Number: 93.05                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0240B                 Node: IRENE-S                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 6.950                     Time Shift(hrs): 0.00
        Curve Number: 92.98                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0300B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 22.240                    Time Shift(hrs): 0.00
        Curve Number: 90.93                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0320B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 3.240                     Time Shift(hrs): 0.00
        Curve Number: 93.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0340B                 Node: IRENE-N                Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 2.560                     Time Shift(hrs): 0.00
        Curve Number: 94.82                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13H0350B                 Node: 13H0350P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 11.040                    Time Shift(hrs): 0.00
        Curve Number: 77.12                Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13I0300B                 Node: 13I0300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 39.00
             Area(ac): 14.840                   Time Shift(hrs): 0.00
        Curve Number: 92.29              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0600B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 103.930                  Time Shift(hrs): 0.00
        Curve Number: 86.38              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0610B                 Node: 13I0610P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 5.250                    Time Shift(hrs): 0.00
        Curve Number: 73.84              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0620B                 Node: 13I0620P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
             Area(ac): 25.230                   Time Shift(hrs): 0.00
        Curve Number: 60.25              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0630B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 72.00
             Area(ac): 54.770                   Time Shift(hrs): 0.00
        Curve Number: 87.52              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0631B                 Node: FAIRY                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 23.580                   Time Shift(hrs): 0.74
        Curve Number: 80.73              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I0640B                 Node: LWILDMER               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 34.00
              Area(ac): 35.600                   Time Shift(hrs): 0.00
           Curve Number: 64.27               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I0660B                 Node: FERN                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 19.820                   Time Shift(hrs): 0.00
           Curve Number: 83.04               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I0900B                 Node: 13I0900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 10.360                   Time Shift(hrs): 0.00
           Curve Number: 64.99               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1000B                 Node: 13I1000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 13.260                   Time Shift(hrs): 0.00
           Curve Number: 76.31               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1200B                 Node: WILDMERE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 38.00
              Area(ac): 79.320                   Time Shift(hrs): 0.00
           Curve Number: 81.26               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1201B                 Node: WILDMERE               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 48.00
              Area(ac): 54.370                   Time Shift(hrs): 0.00
           Curve Number: 82.79               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13I1220B                 Node: JANE                   Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 43.00
              Area(ac): 17.620                   Time Shift(hrs): 0.00
           Curve Number: 81.15               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13I1300B                Node: EVERGRN                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 8.170                      Time Shift(hrs): 0.00
         Curve Number: 76.19              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13I1500B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 6.520                      Time Shift(hrs): 0.00
         Curve Number: 88.93              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13I1501B                Node: 13I1500P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 91.470                     Time Shift(hrs): 0.00
         Curve Number: 84.65              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13I1502B                Node: 13I1502N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 0.480                      Time Shift(hrs): 0.00
         Curve Number: 90.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13I1504B                Node: 13I1504N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.000                      Time Shift(hrs): 0.00
         Curve Number: 90.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13I1510B                Node: 13I1510N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 61.00
            Area(ac): 22.610                     Time Shift(hrs): 0.00
         Curve Number: 80.23              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13I1512B                Node: 13I1512N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 61.00
            Area(ac): 3.090                    Time Shift(hrs): 0.00
         Curve Number: 80.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1514B                Node: 13I1514P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 40.00
            Area(ac): 72.830                   Time Shift(hrs): 0.00
         Curve Number: 87.62             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1540B                Node: GEM                   Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 15.730                   Time Shift(hrs): 0.00
         Curve Number: 77.99             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13I1560B                Node: ORANGE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 21.090                   Time Shift(hrs): 0.00
         Curve Number: 84.34             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0300B                Node: 13J0300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.480                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0320B                Node: 13J0320N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 0.730                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J0340B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 3.150                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13J0341B                Node: 13J0340N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 21.00
            Area(ac): 12.670                    Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0401B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 25.920                    Time Shift(hrs): 0.00
         Curve Number: 67.64             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0402B                Node: 13J0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.720                     Time Shift(hrs): 0.75
         Curve Number: 74.60             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0600B                Node: 13J0600N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.580                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0640B                Node: 13J0640N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 2.310                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J0800B                Node: 13J0800N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 4.150                     Time Shift(hrs): 0.00
         Curve Number: 84.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1000B                Node: 13J1000N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 70.00
               Area(ac): 17.550                  Time Shift(hrs): 0.00
           Curve Number: 71.70              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1300B                 Node: 13J1300N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
               Area(ac): 6.110                   Time Shift(hrs): 0.00
           Curve Number: 82.79              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1800B                 Node: 13J1800N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
               Area(ac): 19.650                  Time Shift(hrs): 0.00
           Curve Number: 79.44              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1820B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.920                   Time Shift(hrs): 0.00
           Curve Number: 78.75              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1821B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
               Area(ac): 5.830                   Time Shift(hrs): 0.00
           Curve Number: 86.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1822B                 Node: 13J1820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 57.00
               Area(ac): 19.330                  Time Shift(hrs): 0.00
           Curve Number: 70.91              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13J1900B                 Node: 13J1900N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.420                   Time Shift(hrs): 0.00
           Curve Number: 92.63              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: 13J2200B                Node: 13J2200P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 80.580                  Time Shift(hrs): 0.00
        Curve Number: 86.80             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2220B                Node: 13J2220P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 64.00
            Area(ac): 41.260                  Time Shift(hrs): 0.00
        Curve Number: 83.76             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2221B                Node: 13J2221P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 5.360                  Time Shift(hrs): 0.00
        Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2222B                Node: 13J2222P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 8.580                  Time Shift(hrs): 0.00
        Curve Number: 91.44             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2231B                Node: 13J2231N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.640                  Time Shift(hrs): 0.00
        Curve Number: 92.90             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2232B                Node: 13J2232N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 51.00
            Area(ac): 26.810                  Time Shift(hrs): 0.00
        Curve Number: 91.05             Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
        Name: 13J2233B                Node: 13J2233P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400               Time of Conc(min): 83.00
```

```
             Area(ac): 22.140                 Time Shift(hrs): 0.00
         Curve Number: 88.62              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13J2234B                Node: 13J2234P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
             Area(ac): 13.320                 Time Shift(hrs): 0.00
         Curve Number: 81.08              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0250B                Node: 13K0250N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.280                  Time Shift(hrs): 0.00
         Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0400B                Node: 13K0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.310                  Time Shift(hrs): 0.00
         Curve Number: 94.37              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0550B                Node: 13K0550N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.360                  Time Shift(hrs): 0.00
         Curve Number: 93.00              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0751B                Node: 13K0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 23.820                 Time Shift(hrs): 0.00
         Curve Number: 85.34              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K0752B                Node: 13K0750N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.070                  Time Shift(hrs): 0.00
         Curve Number: 92.02              Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
```

```
        Name: 13K0900B                Node: 13K0900P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.360                     Time Shift(hrs): 0.00
        Curve Number: 90.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1150B                Node: 13K1150P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.440                     Time Shift(hrs): 0.00
        Curve Number: 84.20              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1300B                Node: 13K1300N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 14.370                    Time Shift(hrs): 0.00
        Curve Number: 82.52              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1500B                Node: 13K1500N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.230                     Time Shift(hrs): 0.00
        Curve Number: 84.00              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1600B                Node: 13K1600N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 9.950                     Time Shift(hrs): 0.00
        Curve Number: 77.36              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1650B                Node: PLAZA                 Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.030                     Time Shift(hrs): 0.00
        Curve Number: 89.99              Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: 13K1900B                Node: GRIFFIN               Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 38.00
            Area(ac): 53.200                    Time Shift(hrs): 0.00
```

```
          Curve Number: 68.03             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2200B                Node: TROUT                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 51.650                  Time Shift(hrs): 0.00
          Curve Number: 84.45             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2240B                Node: 13K2240P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 10.010                  Time Shift(hrs): 0.00
          Curve Number: 93.46             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K2280B                Node: LOTUS                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 29.860                  Time Shift(hrs): 0.00
          Curve Number: 59.52             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3050B                Node: 13K3050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 19.030                  Time Shift(hrs): 0.00
          Curve Number: 83.96             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K3200B                Node: 13K3200P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 44.00
            Area(ac): 23.680                  Time Shift(hrs): 0.00
          Curve Number: 94.50             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4050B                Node: 13K4050P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 25.290                  Time Shift(hrs): 0.00
          Curve Number: 76.28             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13K4200B                Node: 13K4200P               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 21.530                    Time Shift(hrs): 0.00
         Curve Number: 70.44               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13K4400B                 Node: 13K4400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 10.610                    Time Shift(hrs): 0.00
         Curve Number: 92.54               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0020B                 Node: 13L0020N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 6.330                     Time Shift(hrs): 0.00
         Curve Number: 84.26               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0040B                 Node: 13L0040P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
             Area(ac): 48.050                    Time Shift(hrs): 0.00
         Curve Number: 89.56               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0060B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.530                     Time Shift(hrs): 0.00
         Curve Number: 91.45               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0080B                 Node: KATHRYN                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 11.130                    Time Shift(hrs): 0.00
         Curve Number: 94.99               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: 13L0200B                 Node: 13L0200N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
             Area(ac): 29.370                    Time Shift(hrs): 0.00
         Curve Number: 84.12               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0400B                 Node: 13L0400N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.180                      Time Shift(hrs): 0.00
         Curve Number: 89.35               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0800B                 Node: TRIPLT-N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 44.00
            Area(ac): 85.140                     Time Shift(hrs): 0.00
         Curve Number: 85.29               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L0820B                 Node: 13L0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 24.680                     Time Shift(hrs): 0.00
         Curve Number: 87.90               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1000B                 Node: TRIPLT-M               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 103.250                    Time Shift(hrs): 0.00
         Curve Number: 92.64               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1001B                 Node: TRIPLT-S               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 76.00
            Area(ac): 16.780                     Time Shift(hrs): 0.00
         Curve Number: 82.20               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1020B                 Node: 13L1020P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 41.00
            Area(ac): 26.560                     Time Shift(hrs): 0.00
         Curve Number: 88.23               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1200B                 Node: TRIPLT-S               Status: Onsite
```

```
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 66.390                    Time Shift(hrs): 0.00
          Curve Number: 90.83               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1201B                 Node: TRIPLT-S                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 68.00
             Area(ac): 10.960                    Time Shift(hrs): 0.00
          Curve Number: 70.78               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1202B                 Node: 13L1202N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
             Area(ac): 13.600                    Time Shift(hrs): 0.00
          Curve Number: 74.84               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1203B                 Node: 13L1203N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 36.00
             Area(ac): 1.400                     Time Shift(hrs): 0.00
          Curve Number: 86.81               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

Revised Node Name from TRIPLT-M

-----------------------------------------------------------------------------------------------
         Name: 13L1700B                 Node: QUEENS                  Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 44.200                    Time Shift(hrs): 0.00
          Curve Number: 88.99               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L1825B                 Node: 13L1825N                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 0.400                     Time Shift(hrs): 0.00
          Curve Number: 89.00               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13L1829B                 Node: 13L1875P                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                  Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
             Area(ac): 19.680                    Time Shift(hrs): 0.00
          Curve Number: 94.04               Max Allowable Q(cfs): 999999.000
```

```
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1875B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 43.100                    Time Shift(hrs): 0.00
        Curve Number: 95.33               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1876B                 Node: 13L1875P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 37.00
            Area(ac): 66.800                    Time Shift(hrs): 0.00
        Curve Number: 88.36               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1877B                 Node: POND7                  Status: Onsite
        Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
            Area(ac): 31.880                    Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1878B                 Node: POND7                  Status: Onsite
        Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 31.00
            Area(ac): 17.930                    Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1895B                 Node: 13L1895P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 7.070                     Time Shift(hrs): 0.00
        Curve Number: 91.66               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1950B                 Node: 13L1950P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 48.790                    Time Shift(hrs): 0.00
        Curve Number: 95.80               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13L1952B                 Node: 13L1950P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 50.00
             Area(ac): 59.750                    Time Shift(hrs): 0.00
        Curve Number: 88.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L1975B                 Node: 13L1975P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 37.00
             Area(ac): 6.840                     Time Shift(hrs): 0.00
        Curve Number: 96.98               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2050B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 12.090                    Time Shift(hrs): 0.00
        Curve Number: 95.40               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2051B                 Node: 13L2050P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 27.00
             Area(ac): 10.390                    Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2052B                 Node: POND8B                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 35.00
             Area(ac): 9.250                     Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2053B                 Node: POND8B                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 41.00
             Area(ac): 29.230                    Time Shift(hrs): 0.00
        Curve Number: 87.17               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2151B                 Node: 13L2300P               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                    Peaking Factor: 323.0
         Rainfall File: FLMOD                Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
             Area(ac): 4.500                     Time Shift(hrs): 0.00
        Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
        Name: 13L2152B                Node: POND8B                Status: Onsite
       Group: Scenario2               Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 22.00
             Area(ac): 19.480                   Time Shift(hrs): 0.00
          Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2300B                Node: 13L2300P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 3.100                    Time Shift(hrs): 0.00
          Curve Number: 89.20              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2400B                Node: 13L2400N              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.270                    Time Shift(hrs): 0.00
          Curve Number: 87.00              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2500B                Node: OXFORD                Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 26.00
             Area(ac): 18.730                   Time Shift(hrs): 0.00
          Curve Number: 92.11              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2520B                Node: 13L2520P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 20.00
             Area(ac): 17.240                   Time Shift(hrs): 0.00
          Curve Number: 77.12              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2540B                Node: 13L2540P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
             Area(ac): 4.190                    Time Shift(hrs): 0.00
          Curve Number: 94.41              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
        Name: 13L2560B                Node: 13L2560P              Status: Onsite
       Group: GEE                     Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 20.00
              Area(ac): 14.370                   Time Shift(hrs): 0.00
           Curve Number: 89.17               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2700B                 Node: 13L2700N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 18.00
              Area(ac): 5.320                    Time Shift(hrs): 0.00
           Curve Number: 90.43               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------
         Name: 13L2720B                 Node: 13L2720P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 5.270                    Time Shift(hrs): 0.00
           Curve Number: 87.11               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L2750B                 Node: 13L2750P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 26.00
              Area(ac): 29.110                   Time Shift(hrs): 0.00
           Curve Number: 92.83               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-------------------------------------------------------------------------------------------
         Name: 13L3000B                 Node: 13L3000N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 15.00
              Area(ac): 1.630                    Time Shift(hrs): 0.00
           Curve Number: 92.89               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13L3140B                 Node: 13L3140P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 28.00
              Area(ac): 38.090                   Time Shift(hrs): 0.00
           Curve Number: 88.83               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M0400B                 Node: SECRET                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                    Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                 Time of Conc(min): 89.00
              Area(ac): 30.300                   Time Shift(hrs): 0.00
           Curve Number: 89.27               Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13M0500B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.630                      Time Shift(hrs): 0.00
         Curve Number: 86.69               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0600B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 42.00
            Area(ac): 25.960                     Time Shift(hrs): 0.00
         Curve Number: 90.82               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0601B                Node: SECRET                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 45.00
            Area(ac): 7.220                      Time Shift(hrs): 0.00
         Curve Number: 85.60               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0850B                Node: 13M0850N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.350                      Time Shift(hrs): 0.00
         Curve Number: 87.59               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0950B                Node: 13M0950N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 5.500                      Time Shift(hrs): 0.00
         Curve Number: 92.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M0990B                Node: 13M0990P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 6.530                      Time Shift(hrs): 0.00
         Curve Number: 91.76               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13M1200B                Node: 13M1200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 1.490                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1400B                Node: 13M1400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 2.230                    Time Shift(hrs): 0.00
         Curve Number: 92.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1500B                Node: 13M1500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.210                    Time Shift(hrs): 0.00
         Curve Number: 91.66             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1520B                Node: 13M1520P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.890                    Time Shift(hrs): 0.00
         Curve Number: 92.09             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1800B                Node: CONCORD               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 43.240                   Time Shift(hrs): 0.00
         Curve Number: 93.61             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M1925B                Node: 13M1925P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 20.00
            Area(ac): 10.930                   Time Shift(hrs): 0.00
         Curve Number: 95.16             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-------------------------------------------------------------------------------------------
         Name: 13M2110B                Node: CONCORD               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400              Time of Conc(min): 15.00
            Area(ac): 4.080                    Time Shift(hrs): 0.00
         Curve Number: 85.12             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M2130B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 93.00
            Area(ac): 45.190                    Time Shift(hrs): 0.00
         Curve Number: 80.16             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2150B                Node: ELLEN                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 14.690                    Time Shift(hrs): 0.00
         Curve Number: 80.81             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2210B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.720                     Time Shift(hrs): 0.00
         Curve Number: 85.23             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2230B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.800                     Time Shift(hrs): 0.00
         Curve Number: 86.67             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2250B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.680                     Time Shift(hrs): 0.00
         Curve Number: 87.70             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2254B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 34.00
            Area(ac): 15.010                    Time Shift(hrs): 0.00
         Curve Number: 93.17             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13M2270B                Node: CONCORD                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 1.020                   Time Shift(hrs): 0.00
           Curve Number: 88.03              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2290B                 Node: CONCORD                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.660                   Time Shift(hrs): 0.00
           Curve Number: 87.34              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2330B                 Node: 13M2330P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.800                   Time Shift(hrs): 0.00
           Curve Number: 92.06              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2331B                 Node: 13M2331N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.190                   Time Shift(hrs): 0.00
           Curve Number: 86.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision


-----------------------------------------------------------------------------------------------
         Name: 13M2332B                 Node: 13M2332P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 19.00
               Area(ac): 6.510                   Time Shift(hrs): 0.00
           Curve Number: 90.96              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2334B                 Node: 13M2334N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.480                   Time Shift(hrs): 0.00
           Curve Number: 93.02              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13M2335B                 Node: 13M2335N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.800                   Time Shift(hrs): 0.00
           Curve Number: 87.95              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Revision
```

```
-----------------------------------------------------------------------------------------------
         Name: 13M2340B                Node: 13M2340P              Status: Onsite
        Group: Scenario3               Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 29.00
            Area(ac): 8.780                     Time Shift(hrs): 0.00
         Curve Number: 94.20             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13M2341B                Node: 13M2340P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 35.00
            Area(ac): 11.050                     Time Shift(hrs): 0.00
         Curve Number: 88.33             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13M2400B                Node: QUAIL                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 12.160                     Time Shift(hrs): 0.00
         Curve Number: 89.93             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13N0050B                Node: 13N0050P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 13.330                     Time Shift(hrs): 0.00
         Curve Number: 80.05             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13N0100B                Node: 13N0100P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 15.620                     Time Shift(hrs): 0.00
         Curve Number: 82.15             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13N0200B                Node: 13N0200P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 3.540                      Time Shift(hrs): 0.00
         Curve Number: 95.12             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

Revision

-----------------------------------------------------------------------------------------------
         Name: 13N0200B2               Node: LOST                  Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 30.00
               Area(ac): 37.100                  Time Shift(hrs): 0.00
           Curve Number: 91.87              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Renamed from 13N0200B


---------------------------------------------------------------------------------------------------
         Name: 13N0201B                Node: 13N0900P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 69.00
               Area(ac): 9.370                   Time Shift(hrs): 0.00
           Curve Number: 64.25              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0301B                Node: 13N0301P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
               Area(ac): 14.380                  Time Shift(hrs): 0.00
           Curve Number: 83.98              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0600B                Node: 13N0600N               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 30.830                  Time Shift(hrs): 0.00
           Curve Number: 83.92              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0650B                Node: CRYSTBWL               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 25.00
               Area(ac): 42.380                  Time Shift(hrs): 0.00
           Curve Number: 87.64              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



---------------------------------------------------------------------------------------------------
         Name: 13N0700B                Node: 13N0700P               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.620                   Time Shift(hrs): 0.00
           Curve Number: 96.53              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

---------------------------------------------------------------------------------------------------
         Name: 13N0700B2               Node: YVONNE                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 32.00
               Area(ac): 103.690                 Time Shift(hrs): 0.00
           Curve Number: 77.69              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Renamed from 13N0700B
```

```
--------------------------------------------------------------------------------------------------
         Name: 13N0701B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 56.00
            Area(ac): 31.920                     Time Shift(hrs): 0.00
         Curve Number: 80.36               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13N0710B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 11.040                     Time Shift(hrs): 0.00
         Curve Number: 87.86               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13N0720B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 7.910                      Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13N0730B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 18.840                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13N0740B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 55.00
            Area(ac): 12.400                     Time Shift(hrs): 0.00
         Curve Number: 87.00               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13N0750B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 3.460                      Time Shift(hrs): 0.00
         Curve Number: 89.10               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13N0751B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 26.00
             Area(ac): 45.470                  Time Shift(hrs): 0.00
          Curve Number: 87.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13N0752B                Node: YVONNE                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 8.010                  Time Shift(hrs): 0.00
          Curve Number: 86.68             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13N0800B                Node: 13N0800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 4.870                  Time Shift(hrs): 0.00
          Curve Number: 88.34             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin


-------------------------------------------------------------------------------------------------
         Name: 13N0850B                Node: 13N0750P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 4.540                  Time Shift(hrs): 0.00
          Curve Number: 93.97             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

-------------------------------------------------------------------------------------------------
         Name: 13N0900B                Node: 13N0900P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 7.370                  Time Shift(hrs): 0.00
          Curve Number: 85.21             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin

-------------------------------------------------------------------------------------------------
         Name: 13P0200B                Node: 13P0500P              Status: Onsite
        Group: Scenario3               Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 10.650                 Time Shift(hrs): 0.00
          Curve Number: 84.20             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: 13P0400B                Node: 13P0400N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 2.110                  Time Shift(hrs): 0.00
          Curve Number: 83.44             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 13P0500B                Node: 13P0500P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 14.500                     Time Shift(hrs): 0.00
         Curve Number: 80.77               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P0502B                Node: 13P0500P              Status: Onsite
        Group: Scenario3               Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.470                      Time Shift(hrs): 0.00
         Curve Number: 87.80               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P1000B                Node: POND1                 Status: Onsite
        Group: Scenario3               Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 28.00
            Area(ac): 9.890                      Time Shift(hrs): 0.00
         Curve Number: 88.40               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P1250B                Node: 13P1200N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.190                      Time Shift(hrs): 0.00
         Curve Number: 88.79               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P1300B                Node: 13P1300N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 1.520                      Time Shift(hrs): 0.00
         Curve Number: 87.24               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P1650B                Node: 13P1650N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.150                      Time Shift(hrs): 0.00
         Curve Number: 89.85               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


--------------------------------------------------------------------------------------------------
         Name: 13P1800B                Node: 13P1800P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
```

```
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 24.00
             Area(ac): 6.640                    Time Shift(hrs): 0.00
          Curve Number: 92.66              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1801B                 Node: 13P1800P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 3.330                    Time Shift(hrs): 0.00
          Curve Number: 91.76              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1810B                 Node: 13P1810P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 10.050                   Time Shift(hrs): 0.00
          Curve Number: 89.91              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

New Basin / merge with smaller basins

-----------------------------------------------------------------------------------------------
         Name: 13P1814B                 Node: 13P1814N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
             Area(ac): 5.080                    Time Shift(hrs): 0.00
          Curve Number: 95.15              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1826B                 Node: PINEYRDG               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 34.00
             Area(ac): 18.470                   Time Shift(hrs): 0.00
          Curve Number: 91.37              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1900B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 20.00
             Area(ac): 25.900                   Time Shift(hrs): 0.00
          Curve Number: 96.62              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1901B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
             Area(ac): 2.910                    Time Shift(hrs): 0.00
          Curve Number: 87.54              Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P1902B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.840                     Time Shift(hrs): 0.00
         Curve Number: 95.10             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P1920B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 9.050                     Time Shift(hrs): 0.00
         Curve Number: 95.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2010B                Node: GRASSY                Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 0.910                     Time Shift(hrs): 0.00
         Curve Number: 84.50             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2014B                Node: PEARL                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 1.680                     Time Shift(hrs): 0.00
         Curve Number: 84.49             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2050B                Node: 13P2050N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 27.00
            Area(ac): 6.570                     Time Shift(hrs): 0.00
         Curve Number: 93.98             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2250B                Node: PEARL                 Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 25.00
            Area(ac): 49.850                    Time Shift(hrs): 0.00
         Curve Number: 93.50             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2300B                Node: 13P2300P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.980                   Time Shift(hrs): 0.00
           Curve Number: 91.13              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13P2400B                 Node: 13P2400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 6.340                   Time Shift(hrs): 0.00
           Curve Number: 90.28              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New basin

-----------------------------------------------------------------------------------------------
         Name: 13P2400BZ                Node: 13P2400P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.370                   Time Shift(hrs): 0.00
           Curve Number: 93.36              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Krystals


-----------------------------------------------------------------------------------------------
         Name: 13P2600B                 Node: PRAIRIE                Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 29.00
               Area(ac): 344.800                 Time Shift(hrs): 0.00
           Curve Number: 92.32              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2640B                 Node: 13P2640N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 8.490                   Time Shift(hrs): 0.00
           Curve Number: 90.78              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2645B                 Node: 13P2643N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 4.140                   Time Shift(hrs): 0.00
           Curve Number: 91.89              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13P2646B                 Node: 13P2644N               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 10.110                  Time Shift(hrs): 0.00
           Curve Number: 93.16              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P2648B                Node: LPRAIRIE              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 26.830                    Time Shift(hrs): 0.00
         Curve Number: 86.12             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2660B                Node: 13P2660P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 26.240                    Time Shift(hrs): 0.00
         Curve Number: 82.00             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2661B                Node: 13P2661P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 15.00
            Area(ac): 29.890                    Time Shift(hrs): 0.00
         Curve Number: 63.80             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2800B                Node: MALTBIE               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 151.510                   Time Shift(hrs): 0.00
         Curve Number: 88.80             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P2900B                Node: PRAIRIE               Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 33.00
            Area(ac): 24.320                    Time Shift(hrs): 0.00
         Curve Number: 87.91             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13P3400B                Node: 13P3400P              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400               Time of Conc(min): 10.00
            Area(ac): 15.470                    Time Shift(hrs): 0.00
         Curve Number: 94.92             Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13Q0500B                Node: 13Q0500N              Status: Onsite
        Group: GEE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD              Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.470                   Time Shift(hrs): 0.00
           Curve Number: 88.73              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0820B                 Node: 13Q0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
               Area(ac): 39.920                  Time Shift(hrs): 0.00
           Curve Number: 88.61              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0840B                 Node: 13Q0840P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.110                   Time Shift(hrs): 0.00
           Curve Number: 97.15              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0860B                 Node: 13Q0860P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 27.00
               Area(ac): 12.660                  Time Shift(hrs): 0.00
           Curve Number: 59.10              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0861B                 Node: 13Q0860P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                     Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 5.060                   Time Shift(hrs): 0.00
           Curve Number: 75.88              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-----------------------------------------------------------------------------------------------
         Name: 13Q0870B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 10.130                  Time Shift(hrs): 0.00
           Curve Number: 91.75              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin

-----------------------------------------------------------------------------------------------
         Name: 13Q0875B                 Node: 13Q0870P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                     Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 24.00
               Area(ac): 5.110                   Time Shift(hrs): 0.00
           Curve Number: 88.23              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

New Basin
```

```
--------------------------------------------------------------------------------------------------
         Name: 13Q0880B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
            Area(ac): 7.830                      Time Shift(hrs): 0.00
         Curve Number: 85.81               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0885B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 35.00
            Area(ac): 9.020                      Time Shift(hrs): 0.00
         Curve Number: 86.88               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin

--------------------------------------------------------------------------------------------------
         Name: 13Q0895B                 Node: GRASSY                 Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 21.00
            Area(ac): 2.780                      Time Shift(hrs): 0.00
         Curve Number: 84.02               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00

New Basin


--------------------------------------------------------------------------------------------------
         Name: 13Q0924B                 Node: 13Q0924P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 31.00
            Area(ac): 5.050                      Time Shift(hrs): 0.00
         Curve Number: 88.68               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q0940B                 Node: 13Q0940P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 4.950                      Time Shift(hrs): 0.00
         Curve Number: 89.16               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q1100B                 Node: 13Q0820P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 2.210                      Time Shift(hrs): 0.00
         Curve Number: 90.49               Max Allowable Q(cfs): 999999.000
              DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: 13Q1300B                 Node: 13Q0924P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
```

```
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 0.810                   Time Shift(hrs): 0.00
            Curve Number: 90.30              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13Q1600B                 Node: 13Q0924P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 3.310                   Time Shift(hrs): 0.00
            Curve Number: 92.77              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13Q1900B                 Node: 13Q0924P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 59.00
               Area(ac): 27.530                  Time Shift(hrs): 0.00
            Curve Number: 85.98              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13Q2290B                 Node: 13Q2290P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 47.00
               Area(ac): 20.710                  Time Shift(hrs): 0.00
            Curve Number: 69.77              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: 13Q2300B                 Node: 13Q2300P               Status: Onsite
        Group: GEE                      Type: SCS Unit Hydrograph CN

        Unit Hydrograph: UH323                   Peaking Factor: 323.0
          Rainfall File: FLMOD               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
               Area(ac): 10.550                  Time Shift(hrs): 0.00
            Curve Number: 94.32              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: POND1_B                  Node: POND1                  Status: Onsite
        Group: Scenario3                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
               Area(ac): 24.930                  Time Shift(hrs): 0.00
            Curve Number: 88.05              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00


-----------------------------------------------------------------------------------------------
         Name: POND2_B                  Node: POND2                  Status: Onsite
        Group: Scenario3                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh323                   Peaking Factor: 323.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
               Area(ac): 6.950                   Time Shift(hrs): 0.00
            Curve Number: 80.90              Max Allowable Q(cfs): 999999.000
                 DCIA(%): 0.00
```

```
--------------------------------------------------------------------------------------------------
        Name: POND5                    Node: POND5                  Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 33.00
            Area(ac): 23.300                    Time Shift(hrs): 0.00
        Curve Number: 87.63               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND7_B                  Node: POND7                  Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 15.00
            Area(ac): 31.250                    Time Shift(hrs): 0.00
        Curve Number: 89.35               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND8A_B                 Node: POND8A                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                   Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
            Area(ac): 11.200                    Time Shift(hrs): 0.00
        Curve Number: 89.50               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: POND8B_B                 Node: POND8B                 Status: Onsite
       Group: Scenario2                Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh323                   Peaking Factor: 323.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 10.00
            Area(ac): 9.820                     Time Shift(hrs): 0.00
        Curve Number: 89.10               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
        Name: WTRSPRGS                 Node: 13A2900N               Status: Onsite
       Group: GEE                      Type: SCS Unit Hydrograph CN

       Unit Hydrograph: UH323                   Peaking Factor: 323.0
         Rainfall File: FLMOD               Storm Duration(hrs): 24.00
   Rainfall Amount(in): 11.400                Time of Conc(min): 10.00
            Area(ac): 18.580                    Time Shift(hrs): 0.00
        Curve Number: 82.14               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00



==========================================================================================
==== Nodes ===============================================================================
==========================================================================================

     Name: 12-01-02            Base Flow(cfs): 0.000          Init Stage(ft): 9.390
    Group: 12                                                 Warn Stage(ft): 0.000
     Type: Time/Stage


     Time(hrs)       Stage(ft)
--------------- ---------------
          0.00           9.390
        999.00           9.390

------------------------------------------------------------------------------------------
     Name: 13A0100N            Base Flow(cfs): 0.300          Init Stage(ft): 8.750
    Group: 13A                                                Warn Stage(ft): 0.000
     Type: Stage/Area
```

Stage(ft)	Area(ac)
11.050	0.8140
13.950	1.1630

Name: 13A0300N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
4.650	0.0000
6.150	0.0010
6.450	0.0200
9.150	0.0390
10.350	0.0800
10.360	0.3430
14.050	0.4680
15.450	0.6060

Name: 13A0500N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 22.780
Type: Stage/Area

Stage(ft)	Area(ac)
6.150	0.0000
6.450	0.0190
9.150	0.0360
11.550	0.1120
14.050	0.1880
15.450	0.3140

Name: 13A0600N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 9.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A0725N Base Flow(cfs): 0.000 Init Stage(ft): 13.880
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A0735P Base Flow(cfs): 0.000 Init Stage(ft): 18.970
Group: 13A Warn Stage(ft): 24.950
Type: Stage/Area

Stage(ft)	Area(ac)
14.450	0.5900
18.950	0.8500
24.950	1.4900
26.950	1.4900

Name: 13A0800N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 9.650
Type: Stage/Area

Stage(ft)	Area(ac)
10.750	0.2440
13.950	0.3900
18.950	0.3900

Name: 13A0820P Base Flow(cfs): 0.000 Init Stage(ft): 21.950
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
20.650	0.5000
20.950	1.0000
23.950	2.0000
24.950	2.1000

Name: 13A0900N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 11.650
Type: Stage/Area

Stage(ft)	Area(ac)
12.150	0.0000
13.950	0.1980
18.950	0.1980

Name: 13A0950N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1000N Base Flow(cfs): 0.000 Init Stage(ft): 9.810
Group: 13A Warn Stage(ft): 12.550
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1100N Base Flow(cfs): 0.000 Init Stage(ft): 11.310
Group: 13A Warn Stage(ft): 18.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1300N Base Flow(cfs): 0.000 Init Stage(ft): 11.330
Group: 13A Warn Stage(ft): 14.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A1400N Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: 13A Warn Stage(ft): 22.050

```
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1600N            Base Flow(cfs): 0.000          Init Stage(ft): 14.280
     Group: 13A                                                Warn Stage(ft): 20.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1700N            Base Flow(cfs): 0.000          Init Stage(ft): 16.470
     Group: 13A                                                Warn Stage(ft): 19.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1800N            Base Flow(cfs): 0.000          Init Stage(ft): 17.310
     Group: 13A                                                Warn Stage(ft): 21.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A1900N            Base Flow(cfs): 0.000          Init Stage(ft): 19.060
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A2100N            Base Flow(cfs): 0.000          Init Stage(ft): 20.430
     Group: 13A                                                Warn Stage(ft): 25.290
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.290          0.0000
         25.950          0.3160

-------------------------------------------------------------------------------------------
      Name: 13A2200N            Base Flow(cfs): 0.000          Init Stage(ft): 21.200
     Group: 13A                                                Warn Stage(ft): 26.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------------
      Name: 13A2220P            Base Flow(cfs): 0.000          Init Stage(ft): 30.330
     Group: 13A                                                Warn Stage(ft): 32.550
      Type: Stage/Area
```

Stage(ft)	Area(ac)
23.950	1.2700
32.550	2.8500
33.950	2.8500

Name: 13A2300N Base Flow(cfs): 0.000 Init Stage(ft): 22.590
Group: 13A Warn Stage(ft): 28.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A2350N Base Flow(cfs): 0.000 Init Stage(ft): 22.630
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A2400N Base Flow(cfs): 0.000 Init Stage(ft): 24.040
Group: 13A Warn Stage(ft): 30.650
Type: Stage/Area

Stage(ft)	Area(ac)
30.650	0.0000
30.950	0.3000
31.950	0.5000
32.950	0.6500

Name: 13A2600N Base Flow(cfs): 0.000 Init Stage(ft): 24.190
Group: 13A Warn Stage(ft): 30.250
Type: Stage/Area

Stage(ft)	Area(ac)
30.250	0.5000
30.950	1.1000
31.950	1.4000

Name: 13A2750N Base Flow(cfs): 0.000 Init Stage(ft): 26.080
Group: 13A Warn Stage(ft): 26.950
Type: Stage/Area

Stage(ft)	Area(ac)
26.950	0.4300
27.950	1.5900
28.950	2.7500
30.950	6.1800
32.950	10.8600
33.950	14.8200

Name: 13A2800N Base Flow(cfs): 0.000 Init Stage(ft): 30.070
Group: 13A Warn Stage(ft): 32.250
Type: Stage/Area

Stage(ft)	Area(ac)

```
         34.250          0.0000
         34.950          3.6500

-----------------------------------------------------------------------------------------
      Name: 13A2820P            Base Flow(cfs): 0.000          Init Stage(ft): 31.380
     Group: 13A                                                Warn Stage(ft): 36.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         29.950          2.8500
         36.650          4.1300
         36.950          4.8800
         38.950          4.8800

-----------------------------------------------------------------------------------------
      Name: 13A2900N            Base Flow(cfs): 0.000          Init Stage(ft): 33.100
     Group: 13A                                                Warn Stage(ft): 36.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         33.950          0.2800
         34.950          1.2200
         35.950          3.8700
         36.950          7.5700
         38.950         16.3700

-----------------------------------------------------------------------------------------
      Name: 13A3000N            Base Flow(cfs): 0.000          Init Stage(ft): 33.470
     Group: 13A                                                Warn Stage(ft): 36.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         36.150          0.0000
         36.950          1.3500
         38.950          7.6200

-----------------------------------------------------------------------------------------
      Name: 13A3200N            Base Flow(cfs): 0.000          Init Stage(ft): 33.490
     Group: 13A                                                Warn Stage(ft): 36.510
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A3300N            Base Flow(cfs): 0.000          Init Stage(ft): 33.990
     Group: 13A                                                Warn Stage(ft): 37.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13A3320P            Base Flow(cfs): 0.000          Init Stage(ft): 36.450
     Group: 13A                                                Warn Stage(ft): 41.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         36.450          0.0000
         36.950          0.0800
         38.950          0.1300
         43.950          0.7200

-----------------------------------------------------------------------------------------
      Name: 13A3400N            Base Flow(cfs): 0.000          Init Stage(ft): 34.570
```

Group: 13A Warn Stage(ft): 36.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3420P Base Flow(cfs): 0.000 Init Stage(ft): 46.950
Group: 13A Warn Stage(ft): 48.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	0.7200
46.950	1.1200
46.960	1.5600
47.950	2.1500
48.950	3.1500
49.950	4.6000
50.950	7.9000

Name: 13A3440P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.650
Type: Stage/Area

Stage(ft)	Area(ac)
47.450	0.0000
47.950	0.0300
48.950	0.8500
49.950	1.3000
50.950	1.8000

Name: 13A3600N Base Flow(cfs): 0.000 Init Stage(ft): 35.040
Group: 13A Warn Stage(ft): 40.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3700N Base Flow(cfs): 0.000 Init Stage(ft): 35.880
Group: 13A Warn Stage(ft): 38.250
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3900N Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.350
Type: Stage/Area

Stage(ft)	Area(ac)
39.750	0.1290
39.850	0.1290
39.950	0.5600
43.950	0.5600

Name: 13A3910P Base Flow(cfs): 0.000 Init Stage(ft): 37.900
Group: 13A Warn Stage(ft): 39.150
Type: Stage/Area

Stage(ft)	Area(ac)
36.950	0.0000
37.950	0.4485
38.950	0.5576
39.950	0.7221
40.950	0.8862
41.950	1.0839
42.950	1.2615
43.950	1.4984

Name: 13A3920P Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 41.450
Type: Stage/Area

Stage(ft)	Area(ac)
39.950	3.2500
40.950	3.6092
41.950	5.8554
42.950	6.8624
43.950	7.8317

Name: 13A3930N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 43.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
43.850	0.0100
43.950	0.1000
44.950	0.2000
45.950	0.6000

Name: 13A3940N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 45.550
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
45.850	0.0100
45.950	0.1000
46.950	0.2500
47.950	0.7000

Name: 13A3950N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A3952P Base Flow(cfs): 0.000 Init Stage(ft): 44.260
Group: 13A Warn Stage(ft): 46.950
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	2.3000
44.950	2.6500
46.650	3.0670
46.950	7.3450
47.950	11.6430
48.950	14.9400

Name: 13A3954P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13A Warn Stage(ft): 50.250
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	1.1000
50.950	2.5000
53.950	6.0000

Name: 13A3960P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 56.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3962P Base Flow(cfs): 0.000 Init Stage(ft): 53.950
Group: 13A Warn Stage(ft): 62.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A3980N Base Flow(cfs): 0.000 Init Stage(ft): 40.450
Group: 13A Warn Stage(ft): 46.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13A3990P Base Flow(cfs): 0.000 Init Stage(ft): 41.590
Group: 13A Warn Stage(ft): 45.750
Type: Stage/Area

Stage(ft)	Area(ac)
40.950	1.8300
41.950	2.0800
42.950	2.3511
43.950	2.6625
44.950	2.8802
45.950	3.3825
46.950	4.6047
47.950	6.0732
48.950	8.6541

Name: 13A4000N Base Flow(cfs): 0.000 Init Stage(ft): 38.190
Group: 13A Warn Stage(ft): 38.750
Type: Stage/Area

Stage(ft)	Area(ac)
39.150	0.0000
39.850	1.3230
39.950	1.7510
41.250	1.9400
41.450	2.0520
43.950	2.0520

Name: 13A4100N Base Flow(cfs): 0.000 Init Stage(ft): 38.420
Group: 13A Warn Stage(ft): 43.050
Type: Stage/Area

Stage(ft)	Area(ac)
40.150	0.4330
43.740	0.4330
43.750	0.7880
43.950	0.7880

Name: 13A4120P Base Flow(cfs): 0.000 Init Stage(ft): 38.810
Group: 13A Warn Stage(ft): 42.150
Type: Stage/Area

Stage(ft)	Area(ac)
37.950	1.2600
38.950	1.4600
39.950	1.6923
40.950	1.9577
41.950	2.2578
42.950	2.5742
43.950	2.6573
44.950	2.7908
44.960	4.1292

Name: 13A4200N Base Flow(cfs): 0.000 Init Stage(ft): 39.200
Group: 13A Warn Stage(ft): 42.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.350	0.6360
48.950	0.6360

Name: 13A4300N Base Flow(cfs): 0.000 Init Stage(ft): 40.470
Group: 13A Warn Stage(ft): 40.750
Type: Stage/Area

Stage(ft)	Area(ac)
44.950	2.3400
47.250	3.4530
47.950	3.7100
48.950	3.8700

Name: 13A4400N Base Flow(cfs): 0.000 Init Stage(ft): 41.330
Group: 13A Warn Stage(ft): 43.150
Type: Stage/Area

Stage(ft)	Area(ac)
45.750	0.3060
48.950	0.3060

Name: 13A4600N Base Flow(cfs): 0.000 Init Stage(ft): 41.460
Group: 13A Warn Stage(ft): 45.350
Type: Stage/Area

Stage(ft)	Area(ac)
45.350	0.0000
47.950	1.4000

Name: 13A4700N Base Flow(cfs): 0.000 Init Stage(ft): 42.170

```
     Group: 13A                                                Warn Stage(ft): 43.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         43.950          0.0000
         44.950          1.0000
         48.950          3.0000

-------------------------------------------------------------------------------------
      Name: 13A4800N            Base Flow(cfs): 0.000          Init Stage(ft): 42.520
     Group: 13A                                                Warn Stage(ft): 47.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A5000N            Base Flow(cfs): 0.000          Init Stage(ft): 42.750
     Group: 13A                                                Warn Stage(ft): 47.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         41.850          0.0010
         48.150          0.4500
         48.950          0.4500

-------------------------------------------------------------------------------------
      Name: 13A5050N            Base Flow(cfs): 0.000          Init Stage(ft): 43.750
     Group: 13A                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13A5100N            Base Flow(cfs): 0.000          Init Stage(ft): 43.970
     Group: 13A                                                Warn Stage(ft): 48.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A5200N            Base Flow(cfs): 0.000          Init Stage(ft): 44.330
     Group: 13A                                                Warn Stage(ft): 49.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13A5300N            Base Flow(cfs): 0.000          Init Stage(ft): 44.480
     Group: 13A                                                Warn Stage(ft): 51.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
```

Name: 13A5320P Base Flow(cfs): 0.000 Init Stage(ft): 46.850
Group: 13A Warn Stage(ft): 51.550
Type: Stage/Area

Stage(ft)	Area(ac)
46.850	0.1100
51.950	0.2200

Name: 13A5400N Base Flow(cfs): 0.000 Init Stage(ft): 45.050
Group: 13A Warn Stage(ft): 51.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A5500N Base Flow(cfs): 0.000 Init Stage(ft): 45.660
Group: 13A Warn Stage(ft): 55.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A5600N Base Flow(cfs): 0.000 Init Stage(ft): 46.740
Group: 13A Warn Stage(ft): 53.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13A5800N Base Flow(cfs): 0.000 Init Stage(ft): 47.740
Group: 13A Warn Stage(ft): 52.350
Type: Stage/Area

Stage(ft)	Area(ac)
47.050	0.0130
47.750	0.0460
47.850	0.0640
50.250	0.0850
52.350	0.1280
52.950	0.2150
57.950	0.2150

Name: 13A6000P Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	9.3896
50.950	13.5071
51.950	15.3268
52.950	21.9502
53.950	30.0563
54.950	39.7569

Name: 13B0200N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13B0400N Base Flow(cfs): 0.000 Init Stage(ft): 13.950
Group: 13B Warn Stage(ft): 17.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0500N Base Flow(cfs): 0.000 Init Stage(ft): 15.450
Group: 13B Warn Stage(ft): 18.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13B0600N Base Flow(cfs): 0.000 Init Stage(ft): 19.650
Group: 13B Warn Stage(ft): 22.050
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0100N Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13C Warn Stage(ft): 13.250
Type: Stage/Area

Stage(ft)	Area(ac)
13.250	0.0000
13.950	0.5000
14.950	0.7000
15.950	1.1000

Name: 13C0200N Base Flow(cfs): 0.000 Init Stage(ft): 9.090
Group: 13C Warn Stage(ft): 14.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0300N Base Flow(cfs): 0.000 Init Stage(ft): 10.210
Group: 13C Warn Stage(ft): 15.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C0500N Base Flow(cfs): 0.000 Init Stage(ft): 10.520
Group: 13C Warn Stage(ft): 14.350
Type: Stage/Area

Stage(ft)	Area(ac)
9.270	0.0010
14.350	0.0700
14.950	0.4300
15.950	0.7400
16.950	1.4270
17.950	1.6290
18.950	1.7910

Name: 13C0600N Base Flow(cfs): 0.000 Init Stage(ft): 10.550
Group: 13C Warn Stage(ft): 15.850
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0520
16.550	0.7510
16.950	1.2440
17.550	1.7030
17.950	2.2310
18.950	3.4580

Name: 13C0800N Base Flow(cfs): 0.000 Init Stage(ft): 13.490
Group: 13C Warn Stage(ft): 17.550
Type: Stage/Area

Stage(ft)	Area(ac)
15.350	0.0000
15.950	0.0110
16.550	0.3220
16.950	0.5570
17.550	0.8950
17.950	1.3420
18.950	2.4070

Name: 13C1000N Base Flow(cfs): 0.000 Init Stage(ft): 13.490
Group: 13C Warn Stage(ft): 17.750
Type: Stage/Area

Stage(ft)	Area(ac)
17.750	0.0000
18.950	0.2400
19.950	0.4000

Name: 13C1100N Base Flow(cfs): 0.000 Init Stage(ft): 15.320
Group: 13C Warn Stage(ft): 20.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C1200N Base Flow(cfs): 0.000 Init Stage(ft): 20.840
Group: 13C Warn Stage(ft): 25.850
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

```
      Name: 13C1300N            Base Flow(cfs): 0.700          Init Stage(ft): 22.650
     Group: 13C                                                Warn Stage(ft): 25.130
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.130          0.0000
         26.950          1.6000

-------------------------------------------------------------------------------------
      Name: 13C1350N            Base Flow(cfs): 0.000          Init Stage(ft): 24.110
     Group: 13C                                                Warn Stage(ft): 25.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         25.950          0.0000
         26.950          2.8000
         27.950          5.9000
         28.950          8.5000

-------------------------------------------------------------------------------------
      Name: 13C1400N            Base Flow(cfs): 0.000          Init Stage(ft): 25.550
     Group: 13C                                                Warn Stage(ft): 28.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13C1500N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13C1700N            Base Flow(cfs): 0.000          Init Stage(ft): 25.990
     Group: 13C                                                Warn Stage(ft): 29.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13C1800N            Base Flow(cfs): 0.000          Init Stage(ft): 27.130
     Group: 13C                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13C1850N            Base Flow(cfs): 0.000          Init Stage(ft): 27.470
     Group: 13C                                                Warn Stage(ft): 31.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500
```

Name: 13C1900N Base Flow(cfs): 0.000 Init Stage(ft): 27.910
Group: 13C Warn Stage(ft): 31.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C2000N Base Flow(cfs): 0.000 Init Stage(ft): 30.740
Group: 13C Warn Stage(ft): 34.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13C2200P Base Flow(cfs): 0.500 Init Stage(ft): 30.750
Group: 13C Warn Stage(ft): 33.950
Type: Stage/Area

Stage(ft)	Area(ac)
29.950	0.7000
31.950	0.7895
32.950	1.8869
33.950	2.6738
34.950	3.4960
35.950	4.3545
36.950	5.2521

Name: 13C2400P Base Flow(cfs): 0.000 Init Stage(ft): 30.980
Group: 13C Warn Stage(ft): 35.480
Type: Stage/Area

Stage(ft)	Area(ac)
30.950	11.0360
33.950	11.0360
36.950	11.0360

Name: 13D0150N Base Flow(cfs): 0.000 Init Stage(ft): 27.700
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0000
32.950	0.6400

Name: 13D0170P Base Flow(cfs): 0.000 Init Stage(ft): 29.480
Group: 13D Warn Stage(ft): 31.950
Type: Stage/Area

Stage(ft)	Area(ac)
28.950	0.8360
29.950	0.8472
30.950	0.9339
31.950	1.2313
35.450	4.7310
38.950	8.2310

Name: 13D0200N Base Flow(cfs): 0.000 Init Stage(ft): 29.250
Group: 13D Warn Stage(ft): 34.350

Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0310N Base Flow(cfs): 0.000 Init Stage(ft): 32.800
Group: 13D Warn Stage(ft): 38.350
Type: Stage/Area

Stage(ft)	Area(ac)
31.950	0.0100
38.350	0.0100
38.450	0.0500
41.450	0.0500

Name: 13D0330N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)
32.950	0.0100
38.370	0.0100
38.450	0.0500
98.940	0.0500

Name: 13D0400N Base Flow(cfs): 0.000 Init Stage(ft): 33.580
Group: 13D Warn Stage(ft): 38.370
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0500N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0700N Base Flow(cfs): 0.000 Init Stage(ft): 34.650
Group: 13D Warn Stage(ft): 41.180
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0750N Base Flow(cfs): 0.000 Init Stage(ft): 37.050
Group: 13D Warn Stage(ft): 44.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13D0800N Base Flow(cfs): 0.000 Init Stage(ft): 38.850
Group: 13D Warn Stage(ft): 45.550
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13F0200N Base Flow(cfs): 0.000 Init Stage(ft): 45.420
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0010
97.950	0.0010

Name: 13F0400P Base Flow(cfs): 0.900 Init Stage(ft): 45.910
Group: 13F Warn Stage(ft): 47.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.050	5.0000
45.550	34.1719
45.950	37.9688
46.950	45.6319
47.950	57.2392
48.950	63.7791
49.950	71.0000

Name: 13F0410P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
44.950	0.0300
45.950	0.1000
47.950	0.3600
48.950	0.5400
50.950	0.9900
51.950	1.0560

Name: 13F0420P Base Flow(cfs): 0.000 Init Stage(ft): 48.950
Group: 13F Warn Stage(ft): 51.550
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.3900
48.950	1.3700
51.950	4.2500

Name: 13F0430P Base Flow(cfs): 0.000 Init Stage(ft): 49.150
Group: 13F Warn Stage(ft): 52.750
Type: Stage/Area

Stage(ft)	Area(ac)
45.950	2.9103
46.950	4.2532
47.950	5.4562
48.950	6.5284
49.950	7.4958
50.950	8.4129

52.950	8.5000

Name: 13F0440P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1700
44.950	0.2700
50.950	0.9800
51.950	1.0000

Name: 13F0450P Base Flow(cfs): 0.000 Init Stage(ft): 47.950
Group: 13F Warn Stage(ft): 50.950
Type: Stage/Area

Stage(ft)	Area(ac)
41.950	0.1100
44.950	0.1800
50.950	0.6000
51.950	0.6000

Name: 13F0700N Base Flow(cfs): 0.000 Init Stage(ft): 49.910
Group: 13F Warn Stage(ft): 50.580
Type: Stage/Area

Stage(ft)	Area(ac)
49.910	0.0000
49.950	0.0340
50.950	1.1480
51.950	1.5000
52.950	4.3600

Name: 13F0750N Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
52.950	0.4000
53.950	1.0000
54.950	1.5000

Name: 13F0800N Base Flow(cfs): 0.000 Init Stage(ft): 53.250
Group: 13F Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13F1000P Base Flow(cfs): 0.000 Init Stage(ft): 54.300
Group: 13F Warn Stage(ft): 56.800
Type: Stage/Area

Stage(ft)	Area(ac)
51.150	0.0000
51.950	6.5452
52.950	11.3772
53.950	14.4116
54.950	18.2470
55.950	23.1050

```
-----------------------------------------------------------------------------------------
      Name: 13F1154P            Base Flow(cfs): 0.000          Init Stage(ft): 62.950
     Group: 13F                                                Warn Stage(ft): 66.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13F1158P            Base Flow(cfs): 0.000          Init Stage(ft): -1.050
     Group: 13F                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13F1300P            Base Flow(cfs): 0.000          Init Stage(ft): 53.250
     Group: 13F                                                Warn Stage(ft): 55.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         51.950          2.0500
         55.950          3.6600
         56.950          3.6600

-----------------------------------------------------------------------------------------
      Name: 13F1374P            Base Flow(cfs): 0.000          Init Stage(ft): 60.150
     Group: 13F                                                Warn Stage(ft): 65.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         60.150          0.0100
         60.950          0.1824
         61.950          0.2081
         62.950          0.2463
         63.950          0.3243
         64.950          0.8000
         65.950          1.1700

-----------------------------------------------------------------------------------------
      Name: 13F1378P            Base Flow(cfs): 0.000          Init Stage(ft): 58.950
     Group: 13F                                                Warn Stage(ft): 65.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         58.950          0.8500
         66.450          1.5700

-----------------------------------------------------------------------------------------
      Name: 13G0100N            Base Flow(cfs): 0.000          Init Stage(ft): 43.750
     Group: 13G                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-----------------------------------------------------------------------------------------
      Name: 13G0200N            Base Flow(cfs): 0.000          Init Stage(ft): 45.250
     Group: 13G                                                Warn Stage(ft): 0.000
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0400N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 50.450
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0500N Base Flow(cfs): 0.000 Init Stage(ft): 45.250
Group: 13G Warn Stage(ft): 48.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G0600N Base Flow(cfs): 0.000 Init Stage(ft): 45.450
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G1200P Base Flow(cfs): 0.000 Init Stage(ft): 45.750
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
45.750	16.0900
45.950	16.9367
46.950	21.3324
47.950	24.3803
48.950	26.7851
49.950	29.2399
50.950	30.7917

Name: 13G2000N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13G2100N Base Flow(cfs): 0.000 Init Stage(ft): 44.330
Group: 13G Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
43.950	0.0800
46.950	0.1100
48.950	0.2600

```
      Name: 13H0150P            Base Flow(cfs): 0.000          Init Stage(ft): 53.990
     Group: 13H                                                Warn Stage(ft): 61.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         49.950          1.2000
         60.050          1.2000
         60.950          1.3000
         61.950          1.4000

-------------------------------------------------------------------------------------
      Name: 13H0350P            Base Flow(cfs): 0.000          Init Stage(ft): 54.520
     Group: 13H                                                Warn Stage(ft): 60.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         53.950          1.6000
         59.250          1.6000
         59.950          1.7000
         60.950          1.8000

-------------------------------------------------------------------------------------
      Name: 13I0300N            Base Flow(cfs): 0.000          Init Stage(ft): 50.250
     Group: 13I                                                Warn Stage(ft): 57.320
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13I0400N            Base Flow(cfs): 0.000          Init Stage(ft): 52.230
     Group: 13I                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13I0610P            Base Flow(cfs): 0.000          Init Stage(ft): 52.950
     Group: 13I                                                Warn Stage(ft): 58.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         46.950          0.0520
         52.950          0.2100
         59.950          0.4790
         60.950          0.5000

-------------------------------------------------------------------------------------
      Name: 13I0620P            Base Flow(cfs): 0.000          Init Stage(ft): 52.950
     Group: 13I                                                Warn Stage(ft): 60.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         46.950          0.5680
         52.950          1.0050
         58.950          1.5610
         62.950          2.1940

-------------------------------------------------------------------------------------
      Name: 13I0700N            Base Flow(cfs): 0.000          Init Stage(ft): 54.850
     Group: 13I                                                Warn Stage(ft): 0.000
      Type: Stage/Area
```

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I0900N Base Flow(cfs): 0.000 Init Stage(ft): 54.850
Group: 13I Warn Stage(ft): 61.400
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1000N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13I1500P Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 65.250
Type: Stage/Area

Stage(ft)	Area(ac)
54.450	0.1130
64.450	0.8860
65.950	1.0530
68.950	9.2500

Name: 13I1502N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.380
Type: Stage/Area

Stage(ft)	Area(ac)
54.850	0.0100
63.380	0.0100
64.550	0.4590
65.950	0.7810

Name: 13I1504N Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.780
Type: Stage/Area

Stage(ft)	Area(ac)
55.350	0.0100
63.780	0.0100
65.650	1.0080

Name: 13I1506N Base Flow(cfs): 0.000 Init Stage(ft): 58.750
Group: 13I Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
58.750	0.0100
65.050	0.0100
66.050	0.3880

Name: 13I1508N Base Flow(cfs): 0.000 Init Stage(ft): 58.750
Group: 13I Warn Stage(ft): 65.050
Type: Stage/Area

Stage(ft)	Area(ac)
58.750	0.0100
65.050	0.0100
66.050	0.0100

Name: 13I1510N Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13I Warn Stage(ft): 65.650
Type: Stage/Area

Stage(ft)	Area(ac)
59.550	0.0100
65.650	0.0100
68.150	0.2760

Name: 13I1512N Base Flow(cfs): 0.000 Init Stage(ft): 60.050
Group: 13I Warn Stage(ft): 65.650
Type: Stage/Area

Stage(ft)	Area(ac)
60.050	0.0100
65.650	0.0100
68.150	0.2760

Name: 13I1514P Base Flow(cfs): 0.000 Init Stage(ft): 61.100
Group: 13I Warn Stage(ft): 65.950
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	0.5000
63.950	0.5000
64.950	3.0000
65.950	8.7500
68.950	17.6000

Name: 13J0300N Base Flow(cfs): 0.000 Init Stage(ft): 57.970
Group: 13J Warn Stage(ft): 61.970
Type: Stage/Area

Stage(ft)	Area(ac)
57.880	0.0100
58.750	0.0290
59.700	0.0420
60.450	0.0570
61.150	0.1310
61.350	0.2640
62.050	0.5020
64.550	0.6060

Name: 13J0320N Base Flow(cfs): 0.000 Init Stage(ft): 59.300
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13J0340N Base Flow(cfs): 0.000 Init Stage(ft): 60.590

```
     Group: 13J                                                Warn Stage(ft): 65.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13J0360N            Base Flow(cfs): 0.000          Init Stage(ft): 61.560
     Group: 13J                                                Warn Stage(ft): 66.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13J0400N            Base Flow(cfs): 0.000          Init Stage(ft): 66.050
     Group: 13J                                                Warn Stage(ft): 72.250
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13J0600N            Base Flow(cfs): 0.000          Init Stage(ft): 69.260
     Group: 13J                                                Warn Stage(ft): 74.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13J0640N            Base Flow(cfs): 0.000          Init Stage(ft): 70.280
     Group: 13J                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

-------------------------------------------------------------------------------------
      Name: 13J0680N            Base Flow(cfs): 0.000          Init Stage(ft): 70.610
     Group: 13J                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13J0700N            Base Flow(cfs): 0.000          Init Stage(ft): 71.340
     Group: 13J                                                Warn Stage(ft): 75.030
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         75.030          0.0100
         75.650          0.1000
         76.050          0.1000
         77.950          0.1000
```

Name: 13J0800N Base Flow(cfs): 0.000 Init Stage(ft): 71.360
Group: 13J Warn Stage(ft): 76.250
Type: Stage/Area

Stage(ft)	Area(ac)
76.550	0.0000
76.950	0.2000
77.050	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J0900N Base Flow(cfs): 0.000 Init Stage(ft): 72.010
Group: 13J Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
75.350	0.0000
76.250	0.1130
76.950	0.8400
77.950	0.8800
78.950	0.9000

Name: 13J1000N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.2100
77.950	0.7400
78.950	1.4250

Name: 13J1100N Base Flow(cfs): 0.000 Init Stage(ft): 72.300
Group: 13J Warn Stage(ft): 76.150
Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.0000
77.950	0.5300
78.950	1.2150

Name: 13J1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.430
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6950
77.950	1.0450
78.950	1.2300

Name: 13J1400N Base Flow(cfs): 0.000 Init Stage(ft): 72.710
Group: 13J Warn Stage(ft): 77.050
Type: Stage/Area

Stage(ft)	Area(ac)
76.950	0.6050
77.450	0.6050
77.950	0.9550
78.950	1.1350

Name: 13J1600N Base Flow(cfs): 0.000 Init Stage(ft): 73.180

Group: 13J Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
75.950	0.7200
76.850	2.0050
76.950	2.2980
77.950	3.4880
78.950	3.8880

Name: 13J1800N Base Flow(cfs): 0.000 Init Stage(ft): 73.430
Group: 13J Warn Stage(ft): 76.950
Type: Stage/Area

Stage(ft)	Area(ac)
76.350	0.0000
76.950	0.1100
77.950	0.9600
78.950	1.6600

Name: 13J1820P Base Flow(cfs): 0.000 Init Stage(ft): 77.250
Group: 13J Warn Stage(ft): 82.050
Type: Stage/Area

Stage(ft)	Area(ac)
77.250	0.4540
81.900	0.7690
81.950	1.1000
83.950	1.1000

Name: 13J1900N Base Flow(cfs): 0.000 Init Stage(ft): 75.490
Group: 13J Warn Stage(ft): 81.750
Type: Stage/Area

Stage(ft)	Area(ac)
81.750	0.0000
81.950	0.1700
83.950	0.1700

Name: 13J2100N Base Flow(cfs): 0.000 Init Stage(ft): 75.950
Group: 13J Warn Stage(ft): 82.260
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13J2200P Base Flow(cfs): 0.400 Init Stage(ft): 77.650
Group: 13J Warn Stage(ft): 78.450
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	2.1463
76.950	3.2227
77.950	6.2411
78.950	9.0181
79.950	14.3004
80.950	21.6171
81.950	30.9448
82.950	41.4538

```
      Name: 13J2220P            Base Flow(cfs): 0.000          Init Stage(ft): 79.120
     Group: 13J                                                Warn Stage(ft): 84.150
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         78.950          1.0000
         81.950          1.9285
         82.950          4.1445
         83.950          8.6075

-------------------------------------------------------------------------------------
      Name: 13J2221P            Base Flow(cfs): 0.000          Init Stage(ft): 85.950
     Group: 13J                                                Warn Stage(ft): 87.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         74.950          0.0000
         85.950          1.7100
         86.950          2.1257
         87.450          2.3027
         88.950          2.5800

-------------------------------------------------------------------------------------
      Name: 13J2222P            Base Flow(cfs): 0.000          Init Stage(ft): 86.950
     Group: 13J                                                Warn Stage(ft): 89.200
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         76.950          0.0000
         86.950          0.4700
         88.950          0.9888
         89.950          1.2454

-------------------------------------------------------------------------------------
      Name: 13J2231N            Base Flow(cfs): 0.000          Init Stage(ft): 77.650
     Group: 13J                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13J2232N            Base Flow(cfs): 0.000          Init Stage(ft): 77.650
     Group: 13J                                                Warn Stage(ft): 81.450
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------
      Name: 13J2233P            Base Flow(cfs): 0.000          Init Stage(ft): 80.950
     Group: 13J                                                Warn Stage(ft): 81.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         80.950          0.0500
         81.950          1.3535
         82.950          3.1984
         83.950          9.1738
         84.950          9.3700

-------------------------------------------------------------------------------------
      Name: 13J2234P            Base Flow(cfs): 0.000          Init Stage(ft): 80.950
     Group: 13J                                                Warn Stage(ft): 83.450
      Type: Stage/Area
```

Stage(ft)	Area(ac)
78.950	0.3000
80.950	0.5463
82.950	0.9591
83.950	2.7988
84.950	8.0000

Name: 13K0250N Base Flow(cfs): 0.000 Init Stage(ft): 54.860
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.340
Group: 13K Warn Stage(ft): 60.670
Type: Stage/Area

Stage(ft)	Area(ac)
55.050	0.0100
55.950	0.0100
56.950	0.0110
59.450	0.0920
59.950	0.1280
60.950	0.2800
61.950	0.9700

Name: 13K0550N Base Flow(cfs): 0.000 Init Stage(ft): 56.510
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13K0650N Base Flow(cfs): 0.000 Init Stage(ft): 58.590
Group: 13K Warn Stage(ft): 64.350
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.750	0.0100
62.950	0.1000
63.950	0.1700
64.450	0.5700

Name: 13K0750N Base Flow(cfs): 0.000 Init Stage(ft): 58.790
Group: 13K Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.710	0.0100
62.750	0.1230
63.950	0.3020
64.950	4.1610
65.950	4.5770

Name: 13K0820N Base Flow(cfs): 0.000 Init Stage(ft): 59.510

Group: 13K Warn Stage(ft): 62.630
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.630	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0860N Base Flow(cfs): 0.000 Init Stage(ft): 59.540
Group: 13K Warn Stage(ft): 62.120
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.120	0.0100
62.950	0.0500
63.950	0.1000
64.950	0.1200
65.950	0.1500
66.950	0.1800
67.950	0.1900
68.950	0.2300

Name: 13K0900P Base Flow(cfs): 0.000 Init Stage(ft): 61.070
Group: 13K Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.2257
60.950	0.2973
61.950	0.6281
62.950	0.8540
63.950	1.6958
64.950	2.1400
65.950	2.6800
66.950	3.1500
67.950	3.4200
68.950	4.0500

Name: 13K1100N Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
62.180	0.0100
68.950	0.1700

Name: 13K1150P Base Flow(cfs): 0.000 Init Stage(ft): 59.550
Group: 13K Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
59.450	0.0100
59.950	0.1100
60.950	0.1446
61.950	0.2066
62.950	0.2778
68.950	3.2700

```
--------------------------------------------------------------------------------------------
      Name: 13K1300N            Base Flow(cfs): 0.000          Init Stage(ft): 59.560
     Group: 13K                                                Warn Stage(ft): 67.750
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         63.950          0.0800
         68.950          0.6890

--------------------------------------------------------------------------------------------
      Name: 13K1500N            Base Flow(cfs): 0.000          Init Stage(ft): 71.860
     Group: 13K                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

--------------------------------------------------------------------------------------------
      Name: 13K1600N            Base Flow(cfs): 0.000          Init Stage(ft): 72.510
     Group: 13K                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

--------------------------------------------------------------------------------------------
      Name: 13K1750N            Base Flow(cfs): 0.000          Init Stage(ft): 72.610
     Group: 13K                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         71.460          0.0100
         75.350          0.0100
         75.450          0.0570
         75.710          0.1150
         78.950          0.1150

--------------------------------------------------------------------------------------------
      Name: 13K2000N            Base Flow(cfs): 0.000          Init Stage(ft): 78.690
     Group: 13K                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

--------------------------------------------------------------------------------------------
      Name: 13K2240P            Base Flow(cfs): 0.000          Init Stage(ft): 78.950
     Group: 13K                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         78.950          1.0000
         83.950          1.0000

--------------------------------------------------------------------------------------------
      Name: 13K3050P            Base Flow(cfs): 0.000          Init Stage(ft): 77.900
     Group: 13K                                                Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         76.650          0.0100
```

76.950	4.1532
77.950	5.4391
78.950	8.6887

Name: 13K3200P Base Flow(cfs): 0.000 Init Stage(ft): 79.550
Group: 13K Warn Stage(ft): 81.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.450	0.0100
78.940	0.0227
78.950	0.4151
81.950	0.5046
83.950	0.5046

Name: 13K4050P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
76.650	0.0100
76.950	4.8514
77.950	8.4933
78.950	10.6000

Name: 13K4200P Base Flow(cfs): 0.000 Init Stage(ft): 77.150
Group: 13K Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	1.2016
81.950	2.8369
82.950	5.7521
83.950	7.2505

Name: 13K4400P Base Flow(cfs): 0.000 Init Stage(ft): 79.290
Group: 13K Warn Stage(ft): 82.150
Type: Stage/Area

Stage(ft)	Area(ac)
79.290	0.7500
81.950	0.7500
83.950	0.7500

Name: 13L0020N Base Flow(cfs): 0.000 Init Stage(ft): 51.850
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L0040P Base Flow(cfs): 0.000 Init Stage(ft): 51.950
Group: 13L Warn Stage(ft): 53.230
Type: Stage/Area

Stage(ft)	Area(ac)
51.150	1.4980
51.950	12.5760
52.950	13.5500
53.950	16.1207

54.950	20.8151

Name: 13L0200N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 54.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L0400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 54.850
Type: Stage/Area

Stage(ft)	Area(ac)
49.430	0.0500
999.000	0.0500

Name: 13L0820P Base Flow(cfs): 0.000 Init Stage(ft): 50.950
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	0.0000
50.950	0.8548
51.950	1.1475
52.950	1.6059
53.950	2.1582
54.950	3.3576
55.950	4.4817

Name: 13L1020P Base Flow(cfs): 0.000 Init Stage(ft): 53.450
Group: 13L Warn Stage(ft): 56.350
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
50.260	0.0010
50.760	0.0560
51.260	0.1290
51.760	0.4990
52.260	1.1780
52.760	2.1130
53.260	2.7390
53.760	3.1550
54.260	3.4400
54.760	3.7380
55.260	4.0890
55.760	4.4790
56.260	4.9450
56.760	5.4050
57.260	5.8880
57.760	6.5800
58.260	7.4980
58.760	8.3380
59.260	9.1140
59.760	9.8470
60.260	10.5020
60.760	11.1290
61.260	11.7360
61.760	12.3280
62.260	12.7860
62.760	13.3600
63.260	13.9480
63.760	14.5660
64.260	15.2020
64.760	15.8820
65.260	16.4940
65.760	17.0450
66.260	17.5400

66.760	18.0460
67.260	18.6000
67.760	19.1470
68.260	19.8050
68.760	20.4530
69.260	21.1690
69.760	21.7490
70.260	22.1480
70.760	22.5270
71.260	22.8650
71.760	23.3240
72.260	23.6930
72.760	24.0750
73.260	24.4160
73.760	24.6960
74.260	24.9670
74.760	25.2260
75.260	25.5170
75.760	25.7360
76.260	25.8610
76.760	26.0320
77.260	26.1200
77.760	26.2110
78.260	26.2900
78.760	26.3680
79.260	26.3940
79.760	26.4300
80.260	26.4740
80.760	26.5420
81.460	26.5620
91.460	26.5620

Name: 13L1202N Base Flow(cfs): 0.000 Init Stage(ft): 58.500
Group: GEE Warn Stage(ft): 60.580
Type: Stage/Area

Current: Stage-area derived from DEM using ArcHydro method
Previous: MXT-ZA est from contours (58,0.11; 59,0.22; 60,0.36; 61,0.86); Stage area based on DEM

Stage(ft)	Area(ac)
57.110	0.0010
57.610	0.0840
58.110	0.1120
58.610	0.1580
59.110	0.2480
59.610	0.3070
60.110	0.3760
60.610	0.6180
61.110	1.0300
61.610	1.4080
62.110	1.6170
62.610	1.8140
63.110	2.0440
63.610	2.2530
64.110	2.4780
64.610	2.7620
65.110	3.0250
65.610	3.1920
66.110	3.3600
66.610	3.5490
67.110	3.7470
67.610	4.1330
68.110	4.4300
68.610	4.7790
69.110	5.1600
69.610	5.5520
70.110	6.0120
70.610	6.4200
71.110	6.6750
71.610	6.9050
72.110	7.1490
72.610	7.3850
73.110	7.7050
73.610	8.0960
74.110	8.4720
74.610	9.0290
75.110	9.6770
75.610	10.7080
76.110	12.0370
76.610	12.9830
77.110	13.3050
77.610	13.4650

78.110	13.5180
78.610	13.5520
79.140	13.5650
89.140	13.5650

Name: 13L1203N Base Flow(cfs): 0.000 Init Stage(ft): 56.900
Group: GEE Warn Stage(ft): 60.650
Type: Stage/Area

Stage-area from DEM; Zi from upstream invert of 13L1203C;

Stage(ft)	Area(ac)
56.900	0.0010
59.380	0.0010
59.880	0.0020
60.380	0.0100
60.880	0.0650
61.380	0.1000
61.880	0.1240
62.380	0.1380
62.880	0.1560
63.380	0.1740
63.880	0.1960
64.380	0.2200
64.880	0.2500
65.380	0.3010
65.880	0.3550
66.380	0.4250
66.880	0.5140
67.380	0.6100
67.880	0.7710
68.380	0.8870
68.880	0.9790
69.380	1.1220
69.880	1.2000
70.380	1.2840
70.880	1.3910
71.200	1.4390

Name: 13L1400N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1600N Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L1825N Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 57.350
Type: Stage/Area

Revision
Updated Initial stage to match control elevation of drop structure; Stage area based on DEM

Stage(ft)	Area(ac)
49.930	0.0010
50.430	0.0010
50.930	0.0720
51.430	0.0820
51.930	0.0900
52.430	0.1030
52.930	0.1230
53.430	0.1790
53.930	0.2130
54.430	0.2330

54.930	0.2530
55.430	0.2830
55.930	0.3130
56.430	0.3360
56.930	0.3470
57.430	0.3740
57.930	0.3770
58.430	0.3780
58.930	0.3810
59.430	0.3830
59.930	0.3840
60.430	0.3870
61.010	0.3920

Name: 13L1875P Base Flow(cfs): 0.000 Init Stage(ft): 52.390
Group: 13L Warn Stage(ft): 58.150
Type: Stage/Area

Stage(ft)	Area(ac)
19.980	0.0010
20.480	0.0010
20.980	0.0010
21.480	0.0010
21.980	0.0010
22.480	0.0010
22.980	0.0020
23.480	0.0020
23.980	0.0020
24.480	0.0020
24.980	0.0020
25.480	0.0020
25.980	0.0020
26.480	0.0020
26.980	0.0020
27.480	0.0020
27.980	0.0020
28.480	0.0020
28.980	0.0020
29.480	0.0020
29.980	0.0020
30.480	0.0020
30.980	0.0020
31.480	0.0020
31.980	0.0020
32.480	0.0020
32.980	0.0020
33.480	0.0020
33.980	0.0020
34.480	0.0020
34.980	0.0020
35.480	0.0020
35.980	0.0020
36.480	0.0030
36.980	0.0030
37.480	0.0030
37.980	0.0030
38.480	0.0030
38.980	0.0030
39.480	0.0030
39.980	0.0030
40.480	0.0050
40.980	0.0050
41.480	0.0050
41.980	0.0060
42.480	0.0060
42.980	0.0070
43.480	0.0070
43.980	0.0080
44.480	0.0090
44.980	0.0090
45.480	0.0090
45.980	0.0090
46.480	0.0090
46.980	0.0090
47.480	0.0090
47.980	0.0090
48.480	0.0100
48.980	0.0100
49.480	0.0100
49.980	0.0110
50.480	0.0130

50.980	0.1180
51.480	0.4190
51.980	0.4780
52.480	0.5540
52.980	0.6940
53.480	0.8920
53.980	1.2270
54.480	1.9650
54.980	3.2930
55.480	4.9630
55.980	7.6270
56.480	10.0960
56.980	13.2160
57.480	15.6100
57.980	19.6020
58.480	21.8310
58.980	24.3040
59.480	25.1080
59.980	26.0050
60.480	26.8020
60.980	27.6380
61.480	28.2510
61.980	28.9870
62.480	29.6660
62.980	30.2620
63.480	30.8590
63.980	31.4790
64.480	31.9320
64.980	32.3470
65.480	32.7570
65.980	33.3290
66.480	34.0350
66.980	35.2460
67.480	36.2770
67.980	37.9180
68.480	38.6440
68.980	39.9270
69.480	41.2340
69.980	43.1190
70.480	44.6610
70.980	47.5200
71.480	49.5530
71.980	53.1600
72.480	56.1280
72.980	61.4560
73.480	64.2210
73.980	68.2630
74.480	71.2350
74.980	75.7090
75.480	78.5030
75.980	84.1480
76.480	88.1040
76.980	96.3010
77.480	99.6430
77.980	104.5450
78.480	106.8830
78.980	110.8430
79.480	112.9400
79.980	116.4750
80.480	118.8550
80.980	121.3090
81.480	123.2590
81.980	124.9560
82.480	126.5290
82.980	127.7610
83.480	128.9570
83.980	130.0490
84.480	131.1390
84.980	132.3040
85.480	133.5410
85.980	134.8710
86.480	136.2690
86.980	137.5640
87.480	138.7430
87.980	139.9550
88.480	141.1380
88.980	142.2810
89.480	143.4470
89.980	144.7540
90.480	146.0650
90.980	147.3960
91.480	149.0050
91.980	150.2680
92.480	151.7100
92.980	152.9920

93.480	153.9410
93.980	155.0400
94.480	156.7220
94.980	159.0430
95.480	160.5470
95.980	160.9980
96.580	161.0340
106.580	161.0340

Name: 13L1895P Base Flow(cfs): 0.000 Init Stage(ft): 52.750
Group: 13L Warn Stage(ft): 58.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
52.750	0.0010
53.140	0.0010
53.640	0.0110
54.140	0.1500
54.640	0.8640
55.140	1.4150
55.640	1.6460
56.140	1.8580
56.640	2.0370
57.140	2.2140
57.640	2.4000
58.140	2.6040
58.640	2.8390
59.140	3.0410
59.640	3.0980
60.140	3.1500
60.640	3.2390
61.140	3.3640
61.640	3.4680
62.140	3.6010
62.640	3.7900
63.140	4.0580
63.640	4.3660
64.140	4.6100
64.640	4.7900
65.140	4.9600
65.640	5.1560
66.140	5.3070
66.640	5.4280
67.140	5.5960
67.640	5.9400
68.140	6.1090
68.640	6.2950
69.140	6.5350
69.640	6.7540
70.140	6.8910
70.640	6.9600
71.300	7.0580

Name: 13L1950P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage(ft)	Area(ac)
52.350	0.0100
53.460	0.5550
53.960	6.8410
54.460	19.5720
54.960	23.4260
55.460	24.9060
55.960	26.0450
56.460	27.1730
56.960	28.3790
57.460	29.5470
57.960	30.5830
58.460	31.6030
58.960	32.6030
59.460	33.3010
59.960	33.8490
60.460	34.4000
60.960	34.9770
61.460	35.6290
61.960	36.3930

62.460	37.1910
62.960	37.8420
63.460	38.4100
63.960	38.9780
64.460	39.5670
64.960	40.4320
65.460	41.3910
65.960	42.5850
66.460	43.4330
66.960	44.2840
67.460	44.9350
67.960	45.5040
68.460	46.1490
68.960	46.7450
69.460	47.3920
69.960	48.0600
70.460	49.0440
70.960	50.3760
71.460	51.4040
71.960	52.7080
72.460	53.8200
72.960	55.1470
73.460	56.3380
73.960	57.2820
74.460	58.2220
74.960	59.2800
75.460	60.2580
75.960	61.1840
76.460	62.1400
76.960	63.2200
77.460	64.2970
77.960	65.4240
78.460	66.7330
78.960	67.9670
79.460	69.3940
79.960	70.8050
80.460	72.2610
80.960	73.5280
81.460	74.9440
81.960	76.2520
82.460	77.6150
82.960	79.3260
83.460	80.7900
83.960	82.4780
84.460	83.9110
84.960	85.2120
85.460	86.6950
85.960	88.2280
86.460	89.4510
86.960	90.4730
87.460	91.5150
87.960	92.7590
88.460	93.6400
88.960	94.5000
89.460	95.2510
89.960	96.3490
90.460	97.5570
90.960	98.7350
91.460	99.9460
91.960	101.3210
92.460	102.7130
92.960	104.1650
93.460	105.9060
93.960	106.9660
94.460	107.4410
94.960	107.6450
95.460	107.8900
95.960	108.2350
96.460	108.4220
96.960	108.4810
97.240	108.4980
107.240	108.4980

Name: 13L1975P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage(ft)	Area(ac)
52.950	0.0010
53.180	0.0010
53.680	0.3240

54.180	2.2280
54.680	3.8760
55.180	4.5080
55.680	4.7900
56.180	5.0480
56.680	5.3000
57.180	5.6000
57.680	5.9440
58.180	6.2280
58.680	6.5510
59.180	6.7870
59.680	6.8290
60.180	6.8350
60.910	6.8410
70.910	6.8410

Name: 13L2050P Base Flow(cfs): 0.000 Init Stage(ft): 52.950
Group: 13L Warn Stage(ft): 55.950
Type: Stage/Area

Stage(ft)	Area(ac)
52.750	0.0000
54.110	0.0010
54.610	0.0810
55.110	0.3210
55.610	1.2130
56.110	3.0340
56.610	4.6270
57.110	5.6730
57.610	6.4990
58.110	6.9930
58.610	7.3460
59.110	7.6410
59.610	7.8750
60.110	8.0920
60.610	8.3060
61.110	8.5590
61.610	8.7720
62.110	8.9420
62.610	9.1040
63.110	9.3890
63.610	9.7590
64.110	10.2200
64.610	10.7390
65.110	11.3650
65.610	12.1260
66.110	12.9280
66.610	13.7020
67.110	14.3970
67.610	15.0610
68.110	15.7250
68.610	16.3370
69.110	17.0640
69.610	17.7340
70.110	18.4260
70.610	19.2410
71.110	20.2680
71.610	21.1110
72.110	21.8190
72.610	22.5110
73.110	23.0830
73.610	23.7510
74.110	24.2910
74.610	25.0760
75.110	26.0120
75.610	26.6620
76.110	27.0530
76.610	27.4380
77.110	28.0470
77.610	28.3880
78.110	28.5770
78.610	28.7480
79.110	28.9720
79.610	29.1750
80.110	29.3250
80.610	29.4310
81.110	29.5870
81.610	29.7490
82.110	29.8480
82.610	29.9280
83.110	30.0100

83.610	30.1850
84.110	30.5090
84.610	31.0510
85.110	31.6460
85.610	32.5450
86.110	33.3990
86.610	34.1850
87.110	34.9450
87.610	35.8700
88.110	37.0780
88.610	38.3630
89.110	39.9730
89.610	41.5550
90.110	43.5720
90.610	45.7540
91.110	47.9750
91.610	50.3900
92.110	52.4160
92.610	54.1670
93.110	56.0200
93.610	57.2080
94.110	58.8970
94.610	60.1710
95.110	60.7980
95.610	60.8790
96.110	60.9540
96.380	60.9560
106.380	60.9560

Name: 13L2150N Base Flow(cfs): 0.000 Init Stage(ft): 56.250
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13L2300P Base Flow(cfs): 0.000 Init Stage(ft): 62.440
Group: 13L Warn Stage(ft): 67.250
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
62.400	0.4780
62.900	0.5290
63.400	0.5560
63.900	0.5880
64.400	0.6090
64.900	0.6300
65.400	0.6590
65.900	0.6920
66.400	0.7640
66.900	0.9030
67.400	1.1150
67.900	1.4620
68.400	1.9890
68.900	2.4830
69.400	2.8560
69.900	3.1860
70.400	3.5100
70.900	3.7270
71.400	3.9540
71.900	4.2310
72.400	4.5530
72.900	4.9280
73.400	5.2590
73.900	5.5180
74.400	5.8410
74.900	6.3070
75.400	6.8070
75.900	6.9520
76.400	7.2000
76.900	7.4360
77.440	7.5940

Name: 13L2400N Base Flow(cfs): 0.000 Init Stage(ft): 62.950
Group: 13L Warn Stage(ft): 71.050

Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
62.950	0.0010
70.920	0.0010
71.420	0.0970
71.920	0.5560
72.420	1.1990
72.920	1.6920
73.420	2.0370
73.920	2.3080
74.420	2.6810
74.920	3.1780
75.420	3.6000
75.920	3.7070
76.420	3.7800
76.920	3.9070
77.420	3.9830
77.920	4.0280
78.420	4.0750
78.920	4.0990
79.420	4.1450
79.920	4.1720
80.420	4.2100
80.920	4.2570
81.420	4.2600
82.090	4.2630

Name: 13L2520P Base Flow(cfs): 0.000 Init Stage(ft): 74.950
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1250
78.950	0.1250
83.950	0.1250

Name: 13L2540P Base Flow(cfs): 0.000 Init Stage(ft): 71.450
Group: 13L Warn Stage(ft): 78.950
Type: Stage/Area

Stage(ft)	Area(ac)
70.950	0.1500
78.950	0.1500
83.950	0.1500

Name: 13L2560P Base Flow(cfs): 0.000 Init Stage(ft): 82.100
Group: 13L Warn Stage(ft): 88.950
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	0.6500
85.450	0.6500
88.950	0.6500

Name: 13L2700N Base Flow(cfs): 0.000 Init Stage(ft): 69.070
Group: 13L Warn Stage(ft): 74.350
Type: Stage/Area

Stage(ft)	Area(ac)
74.950	0.1700
75.950	0.4700
76.950	1.0300
78.950	1.8100

Name: 13L2720P Base Flow(cfs): 0.000 Init Stage(ft): 72.550
Group: 13L Warn Stage(ft): 74.950
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	0.3100
72.950	0.3500
73.950	0.4800
74.950	0.6000
75.950	0.6600

Name: 13L2750P Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13L Warn Stage(ft): 80.500
Type: Stage/Area

Revision
GCS_1045_CP (NGVD 29)
Existing Stormwater Pond - PDF pg. 18/19

Stage(ft)	Area(ac)
70.270	0.0010
74.000	1.4800
76.000	1.7200
78.000	1.9300
80.000	2.2900

Name: 13L2800N Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13L Warn Stage(ft): 77.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3000N Base Flow(cfs): 0.000 Init Stage(ft): 72.400
Group: 13L Warn Stage(ft): 77.950
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3100N Base Flow(cfs): 0.000 Init Stage(ft): 72.750
Group: 13L Warn Stage(ft): 80.750
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13L3140P Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13L Warn Stage(ft): 84.550
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	0.0100
81.750	3.7804
82.950	4.3588
83.950	4.8582
84.950	5.5824
85.950	6.1121
86.950	7.3624

```
--------------------------------------------------------------------------------------------
      Name: 13M0300N            Base Flow(cfs): 0.000          Init Stage(ft): 50.900
     Group: 13M                                                Warn Stage(ft): 54.550
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
       -100.050          0.0500
         97.950          0.0500

--------------------------------------------------------------------------------------------
      Name: 13M0850N            Base Flow(cfs): 0.000          Init Stage(ft): 50.910
     Group: 13M                                                Warn Stage(ft): 57.280
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

--------------------------------------------------------------------------------------------
      Name: 13M0950N            Base Flow(cfs): 0.000          Init Stage(ft): 51.520
     Group: 13M                                                Warn Stage(ft): 56.260
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

--------------------------------------------------------------------------------------------
      Name: 13M0970N            Base Flow(cfs): 0.000          Init Stage(ft): 51.940
     Group: 13M                                                Warn Stage(ft): 55.810
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

--------------------------------------------------------------------------------------------
      Name: 13M0990P            Base Flow(cfs): 0.000          Init Stage(ft): 57.640
     Group: 13M                                                Warn Stage(ft): 57.950
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         54.600          0.2500
         57.950          0.2500
         58.950          0.2500
         59.050          0.7500
         59.950          1.1500

--------------------------------------------------------------------------------------------
      Name: 13M1100N            Base Flow(cfs): 0.000          Init Stage(ft): 52.650
     Group: 13M                                                Warn Stage(ft): 56.350
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         56.350          0.6900
         56.950          1.0300
         57.950          1.3800

--------------------------------------------------------------------------------------------
      Name: 13M1200N            Base Flow(cfs): 0.000          Init Stage(ft): 54.250
     Group: 13M                                                Warn Stage(ft): 56.850
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
```

56.850	0.0000
58.950	0.3700

Name: 13M1400N Base Flow(cfs): 0.000 Init Stage(ft): 54.730
Group: 13M Warn Stage(ft): 58.580
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13M1500N Base Flow(cfs): 0.000 Init Stage(ft): 55.260
Group: 13M Warn Stage(ft): 58.650
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13M1520P Base Flow(cfs): 0.000 Init Stage(ft): 59.950
Group: 13M Warn Stage(ft): 61.450
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	0.1000
61.450	0.1000
61.550	0.8500
61.950	1.0000

Name: 13M1600N Base Flow(cfs): 0.000 Init Stage(ft): 56.000
Group: 13M Warn Stage(ft): 61.040
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13M1925P Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13M Warn Stage(ft): 66.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	0.5000
66.950	0.5000
68.950	0.8000

Name: 13M2317N Base Flow(cfs): 0.000 Init Stage(ft): 55.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
City Infrastructure (Assumed NVGD 29)

Stage(ft)	Area(ac)
55.910	0.0500
999.000	0.0500

Name: 13M2318N Base Flow(cfs): 0.000 Init Stage(ft): 57.240
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision

City Infrastructure (Assumed NVGD 29)

Stage(ft)	Area(ac)
57.240	0.0500
999.000	0.0500

Name: 13M2319N Base Flow(cfs): 0.000 Init Stage(ft): 58.020
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-30

Stage(ft)	Area(ac)
58.020	0.0500
999.000	0.0500

Name: 13M2320N Base Flow(cfs): 0.000 Init Stage(ft): 58.170
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-28

Stage(ft)	Area(ac)
58.170	0.0500
999.000	0.0500

Name: 13M2330P Base Flow(cfs): 0.000 Init Stage(ft): 65.250
Group: 13M Warn Stage(ft): 68.000
Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area to match current terrain

Stage(ft)	Area(ac)
65.000	0.4200
66.000	0.5100
67.000	0.5700
68.000	0.6700
69.000	1.3300

Name: 13M2331N Base Flow(cfs): 0.000 Init Stage(ft): 66.700
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

New Node
Ditch near Pond 2
GCS_1037_SD (NAVD 29)

Stage(ft)	Area(ac)
66.000	0.0100
68.000	0.0190
69.000	0.1100
70.000	0.2700

Name: 13M2332P Base Flow(cfs): 0.000 Init Stage(ft): 73.220
Group: 13M Warn Stage(ft): 74.450
Type: Stage/Area

Revision
Updated initial stage to match control elev.
Updated stage/are to match current terrain

Stage(ft)	Area(ac)
69.790	0.0100
70.290	0.0820
70.790	0.0950
71.290	0.0980
71.790	0.1060

72.290	0.1110
72.790	0.1190
73.290	0.1290
73.790	0.1390
74.290	0.1530
74.790	0.1960
75.290	0.2790
75.790	0.3880
76.290	0.4980
76.790	0.6000

Name: 13M2333N Base Flow(cfs): 0.000 Init Stage(ft): 62.910
Group: 13M Warn Stage(ft): 0.000
Type: Stage/Area

Added
GCS_1037_SD (NGVD 29)
S-36

Stage(ft)	Area(ac)
62.910	0.0500
999.000	0.0500

Name: 13M2334N Base Flow(cfs): 0.000 Init Stage(ft): 59.220
Group: 13M Warn Stage(ft): 67.860
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-32

Stage(ft)	Area(ac)
59.220	0.0100
67.860	0.0100

Name: 13M2335N Base Flow(cfs): 0.000 Init Stage(ft): 64.000
Group: 13M Warn Stage(ft): 70.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
Structure S-44; Stage area based on DEM

Stage(ft)	Area(ac)
64.000	0.0010
68.890	0.0010
69.390	0.0010
69.890	0.0010
70.390	0.0050
70.890	0.0160
71.390	0.0650
71.890	0.1660
72.390	0.2340
72.890	0.3150
73.390	0.4750
73.890	0.8400
74.390	1.3840
74.890	1.5850
75.390	1.6830
75.890	1.7170
76.390	1.7440
76.890	1.7710
77.390	1.8100
77.890	1.8550
78.390	1.9160
78.890	1.9380
79.390	1.9590
79.890	1.9860
80.390	2.0180
80.890	2.0710
81.390	2.0990
81.890	2.1110
82.390	2.1360
82.890	2.1530
83.390	2.1610
83.890	2.1680

84.390	2.1760
84.980	2.1860
94.980	2.1860

Name: 13M2340P Base Flow(cfs): 0.000 Init Stage(ft): 70.550
Group: 13M Warn Stage(ft): 70.950
Type: Stage/Area

Stage area based on DEM

Stage(ft)	Area(ac)
69.540	0.0010
70.040	1.7880
70.540	1.8720
71.040	1.9480
71.540	2.1170
72.040	2.7730
72.540	3.2560
73.040	3.7410
73.540	4.2130
74.040	4.7240
74.540	5.1980
75.040	5.6420
75.540	6.0320
76.040	6.5030
76.540	7.0140
77.040	7.5120
77.540	7.9990
78.040	8.4020
78.540	8.7250
79.040	8.9570
79.540	9.1710
80.040	9.3840
80.540	9.6410
81.040	9.9040
81.540	10.1970
82.040	10.6110
82.540	11.0540
83.040	11.5110
83.540	11.8860
84.040	12.2540
84.540	12.6600
85.040	13.0870
85.540	13.6090
86.040	14.2270
86.540	14.6050
87.040	14.9420
87.540	15.3370
88.040	15.9170
88.540	16.5160
89.040	17.2740
89.540	17.9570
90.040	19.0270
90.540	19.9320
91.040	20.8070
91.540	21.3890
92.040	22.1120
92.540	22.7370
93.040	23.0890
93.540	23.7600
94.040	24.2660
94.540	24.5930
95.040	25.0100
95.540	25.1480
96.210	25.1910
106.210	25.1910

Name: 13N0050P Base Flow(cfs): 0.000 Init Stage(ft): 52.340
Group: 13N Warn Stage(ft): 60.000
Type: Stage/Area

Added
pond
field recon by BRW/CLR on 12/7/15 - determined to be a closed basin
initital stage estimated from terrain; Stage area based on DEM

Stage(ft)	Area(ac)
52.340	0.0010
52.840	1.4800
53.340	1.5270
53.840	1.6040

54.340	1.6860
54.840	1.7710
55.340	1.8570
55.840	1.9670
56.340	2.1600
56.840	2.5410
57.340	3.1700
57.840	3.8650
58.340	4.8820
58.840	6.0270
59.340	7.8600
59.840	9.2330
60.340	10.6810
60.840	12.4280
61.340	14.5940
61.840	16.8430
62.340	18.9130
62.840	21.2710
63.340	23.4780
63.840	25.6850
64.340	27.7830
64.840	29.8970
65.340	31.4700
65.840	32.2000
66.340	32.7940
66.840	33.3050
67.340	33.6950
67.840	34.0470
68.340	34.3150
68.840	34.6340
69.340	35.0280
69.840	35.4790
70.340	35.8570
70.840	36.1310
71.340	36.2880
71.840	36.4580
72.340	36.5660
73.050	36.6320

Name: 13N0100P Base Flow(cfs): 0.000 Init Stage(ft): 52.040
Group: 13N Warn Stage(ft): 55.500
Type: Stage/Area

Revision
Tract E
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.290	0.0010
51.790	1.7520
52.290	1.8420
52.790	1.9020
53.290	1.9890
53.790	2.1070
54.290	2.2270
54.790	2.3450
55.290	2.4770
55.790	2.7820
56.290	3.3330
56.790	4.2670
57.290	5.5200
57.790	6.9540
58.290	8.5390
58.790	10.1630
59.290	11.8610
59.790	12.9170
60.290	13.5430
60.790	13.8880
61.290	14.3840
61.790	15.0110
62.290	15.3870
62.790	15.6080
63.040	15.6180

Name: 13N0150N Base Flow(cfs): 0.000 Init Stage(ft): 50.960
Group: 13N Warn Stage(ft): 56.670
Type: Stage/Area

Revision
D110A
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.960	0.0100
999.000	0.0100

Name: 13N0200P Base Flow(cfs): 0.000 Init Stage(ft): 54.010
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
Tract F
GCS_1048_SD (Assaumed NAVD 88); stage area based on DEM

Stage(ft)	Area(ac)
51.460	0.0010
51.960	0.2060
52.460	0.6500
52.960	0.9960
53.460	1.3280
53.960	1.5840
54.460	1.9460
54.960	2.4950
55.460	2.7920
55.960	3.0770
56.460	3.3240
56.960	3.4330
57.460	3.4820
57.960	3.5190
58.460	3.5370
58.960	3.5420
59.280	3.5440

Name: 13N0250N Base Flow(cfs): 0.000 Init Stage(ft): 50.990
Group: 13N Warn Stage(ft): 56.500
Type: Stage/Area

Revision
D115
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
50.990	0.0500
999.000	0.0500

Name: 13N0300N Base Flow(cfs): 0.000 Init Stage(ft): 51.400
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

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GCS_1048_SD

Stage(ft)	Area(ac)
51.000	0.0500
999.000	0.0500

Name: 13N0301P Base Flow(cfs): 0.000 Init Stage(ft): 55.500
Group: 13N Warn Stage(ft): 58.600
Type: Stage/Area

Added
initial stage from terrian; Stage-area re-calculated; stage area based on DEM

Stage(ft)	Area(ac)
53.050	0.0010
53.550	0.1280
54.050	0.1530
54.550	0.1710
55.050	0.1890
55.550	0.2180
56.050	0.2470
56.550	0.2980
57.050	0.4610
57.550	0.9900
58.050	1.2960
58.550	1.9010

59.050	2.9160
59.550	4.0680
60.050	5.8400
60.550	7.6890
61.050	8.8820
61.550	9.7340
62.050	10.3780
62.550	11.0500
63.050	11.7950
63.550	12.4570
64.050	13.0620
64.550	13.4440
65.050	13.7280
65.550	13.8000
66.050	13.8810
66.550	13.9540
67.050	14.0390
67.550	14.0710
68.050	14.1010
68.550	14.1290
69.050	14.1720
69.550	14.2240
70.050	14.3170
70.550	14.3700
71.180	14.3900

Name: 13N0350N Base Flow(cfs): 0.000 Init Stage(ft): 51.460
Group: 13N Warn Stage(ft): 56.000
Type: Stage/Area

Revision
S-121
GCS_1048_SD

Stage(ft)	Area(ac)
51.460	0.0500
999.000	0.0500

Name: 13N0400N Base Flow(cfs): 0.000 Init Stage(ft): 51.900
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0600N Base Flow(cfs): 0.000 Init Stage(ft): 51.910
Group: 13N Warn Stage(ft): 57.880
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13N0601N Base Flow(cfs): 0.000 Init Stage(ft): 55.000
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
50.000	0.0500
99.000	0.0500

Name: 13N0700P Base Flow(cfs): 0.000 Init Stage(ft): 52.940
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract L
GCS_1048_SD (Assaumed NAVD 88)

Initial stage from LiDar; stage area based on DEM

Stage(ft)	Area(ac)
52.510	0.0010
53.010	0.0030
53.510	0.0170
54.010	0.4400
54.510	1.7970
55.010	2.7190
55.510	3.0830
56.010	3.3720
56.510	3.5950
57.010	3.8370
57.510	3.9700
58.010	4.0250
58.510	4.0500
59.010	4.0550
59.460	4.0590
69.460	4.0590

Name: 13N0750P Base Flow(cfs): 0.000 Init Stage(ft): 52.330
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Added
Pond
From field recon by BRW/CLR on 12/7/15 - see field notes
initial stage estimated from terrian

Stage(ft)	Area(ac)
52.270	0.0010
52.770	2.0670
53.270	2.6560
53.770	2.7050
54.270	2.7500
54.770	2.7750
55.270	2.8120
55.770	2.8480
56.270	2.8940
56.770	2.9630

Name: 13N0800P Base Flow(cfs): 0.000 Init Stage(ft): 52.260
Group: 13N Warn Stage(ft): 58.000
Type: Stage/Area

Revision
Tract J
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
51.470	0.0010
51.970	0.5310
52.470	0.6380
52.970	0.7030
53.470	0.7670
53.970	0.8290
54.470	0.8990
54.970	0.9680
55.470	1.0880
55.970	1.6290
56.470	2.4430
56.970	3.1470

Name: 13N0805N Base Flow(cfs): 0.000 Init Stage(ft): 51.630
Group: 13N Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.630	0.0010
999.000	0.0010

Name: 13N0810N Base Flow(cfs): 0.000 Init Stage(ft): 51.620
Group: 13N Warn Stage(ft): 0.000

Type: Stage/Area

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35

Stage(ft)	Area(ac)
51.620	0.0010
999.000	0.0010

Name: 13N0900P Base Flow(cfs): 0.000 Init Stage(ft): 45.970
Group: 13N Warn Stage(ft): 57.000
Type: Stage/Area

Revision
Tract Q
GCS_1048_SD (Assaumed NAVD 88)

Stage(ft)	Area(ac)
45.970	0.1000
51.470	0.1000
51.970	0.8150
52.470	0.8640
52.970	0.9230
53.470	0.9820
53.970	1.0500
54.470	1.1200
54.970	1.1950
55.470	1.3730
55.970	1.7070
56.470	2.1260
56.970	2.8600

Name: 13P0400N Base Flow(cfs): 0.000 Init Stage(ft): 55.110
Group: 13P Warn Stage(ft): 58.870
Type: Stage/Area

Revision
Upated initial stage to match control elev; stage area based on DEM

Stage(ft)	Area(ac)
55.110	0.0010
55.570	0.0010
56.070	0.0030
56.570	0.0040
57.070	0.0050
57.570	0.0110
58.070	0.0240
58.570	0.0490
59.070	0.1390
59.570	0.3330
60.070	0.6420
60.570	0.9510
61.070	1.1900
61.570	1.4900
62.070	1.6400
62.570	1.7850
63.070	1.8750
63.570	1.9360
64.070	1.9770
64.570	2.0010
65.070	2.0200
65.570	2.0430
66.070	2.0600
66.570	2.0700
67.070	2.0780
67.570	2.0870
68.070	2.0950
68.570	2.1050
68.840	2.1120

Name: 13P0401N Base Flow(cfs): 0.000 Init Stage(ft): 59.000
Group: 13P Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

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-----------------------------------------------------------------------------------------
      Name: 13P0450N            Base Flow(cfs): 0.000          Init Stage(ft): 54.100
     Group: 13P                                                Warn Stage(ft): 0.000
      Type: Stage/Area

Revision
Added


      Stage(ft)        Area(ac)
--------------- ---------------
         54.100          0.0500
        999.000          0.0500

-----------------------------------------------------------------------------------------
      Name: 13P0500P            Base Flow(cfs): 0.000          Init Stage(ft): 58.550
     Group: 13P                                                Warn Stage(ft): 65.250
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         57.780          0.0010
         58.450          0.0950
         58.950          0.3340
         59.450          0.7290
         59.950          1.3810
         60.450          1.9400
         60.950          2.6570
         61.450          3.2130
         61.950          3.8410
         62.450          4.4150
         62.950          5.0670
         63.450          5.7280
         63.950          6.4340
         64.450          7.1890
         64.950          7.8850
         65.450          8.6610
         65.950          9.4550
         66.450         10.2570
         66.950         11.0710
         67.450         11.7250
         67.950         12.5100
         68.450         13.4050
         68.950         14.2870
         69.450         15.3930
         69.950         16.5070
         70.450         17.8230
         70.950         18.7620
         71.450         19.6500
         71.950         20.6900
         72.450         21.4440
         72.950         22.0060
         73.450         22.5720
         73.950         23.2160
         74.450         24.2360
         74.950         24.9800
         75.450         25.6710
         75.950         26.5500
         76.450         27.0520
         76.950         27.5450
         77.450         28.0220
         77.950         28.7680
         78.450         29.1950
         78.950         29.3060
         79.450         29.3950
         79.950         29.4730
         80.450         29.5280
         80.950         29.5990
         81.450         29.6180
         82.030         29.6210
         92.030         29.6210

-----------------------------------------------------------------------------------------
      Name: 13P1200N            Base Flow(cfs): 0.000          Init Stage(ft): 70.930
     Group: 13P                                                Warn Stage(ft): 74.950
      Type: Stage/Area

stage area based on DEM

      Stage(ft)        Area(ac)
--------------- ---------------
         69.790          0.0010
```

70.290	0.0390
70.790	0.0790
71.290	0.1170
71.790	0.1490
72.290	0.1730
72.790	0.2020
73.290	0.2310
73.790	0.2770
74.290	0.3700
74.790	0.6080
75.290	0.8640
75.790	1.1520
76.290	1.4870
76.790	1.8240
77.290	2.2250
77.790	2.6270
78.290	2.9940
78.790	3.3570
79.290	3.6710
79.790	3.9000
80.290	4.0290
80.790	4.1260
81.530	4.1900
91.530	4.1900

Name: 13P1250N Base Flow(cfs): 0.000 Init Stage(ft): 71.000
Group: GEE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
71.000	0.0900
73.000	0.2200
74.000	0.3000
75.000	0.7100
76.000	1.4100

Name: 13P1300N Base Flow(cfs): 0.000 Init Stage(ft): 72.450
Group: 13P Warn Stage(ft): 77.050
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
72.450	0.0010
73.310	0.0010
73.810	0.0020
74.310	0.0240
74.810	0.2050
75.310	0.3040
75.810	0.3760
76.310	0.5230
76.810	0.5580
77.310	0.5940
77.810	0.6450
78.310	0.8290
78.810	1.0540
79.310	1.1400
79.810	1.1550
80.310	1.1570
80.810	1.1600
81.260	1.1620
91.260	1.1620

Name: 13P1400N Base Flow(cfs): 0.000 Init Stage(ft): 74.550
Group: 13P Warn Stage(ft): 78.150
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1600N Base Flow(cfs): 0.000 Init Stage(ft): 75.240
Group: 13P Warn Stage(ft): 79.280
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1650N Base Flow(cfs): 0.000 Init Stage(ft): 75.700
Group: 13P Warn Stage(ft): 79.650
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.990	0.0010
75.490	0.0140
75.990	0.0250
76.490	0.0320
76.990	0.0380
77.490	0.0440
77.990	0.0520
78.490	0.0680
78.990	0.1370
79.490	0.4510
79.990	0.5800
80.490	0.7550
80.990	1.0030
81.490	1.2040
81.990	1.2870
82.490	1.3360
82.990	1.3810
83.490	1.4290
83.990	1.4880
84.490	1.5520
84.990	1.6590
85.490	1.7800
85.890	1.8030
95.890	1.8030

Name: 13P1700N Base Flow(cfs): 0.000 Init Stage(ft): 76.010
Group: 13P Warn Stage(ft): 80.350
Type: Stage/Area

Stage(ft)	Area(ac)
-100.050	0.0500
97.950	0.0500

Name: 13P1800P Base Flow(cfs): 0.000 Init Stage(ft): 76.490
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
74.520	0.0010
75.020	2.0120
75.520	2.1380
76.020	2.2100
76.520	2.2690
77.020	2.3200
77.520	2.3730
78.020	2.4690
78.520	2.5980
79.020	2.8310
79.520	3.2790
80.020	4.0690
80.520	4.7780
81.020	5.7770
81.520	6.9740
82.020	7.2970
82.520	7.5280
83.020	7.8130
83.520	8.0790
84.020	8.3410
84.520	8.6170
85.020	8.9330

85.520	9.2720
86.020	9.5050
86.520	9.6690
87.020	9.7930
87.520	9.8480
88.020	9.8890
88.520	9.9040
89.020	9.9160
89.520	9.9250
90.020	9.9320
90.730	9.9340
100.730	9.9340

Name: 13P1810P Base Flow(cfs): 0.000 Init Stage(ft): 77.110
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
Pond 3 - see sheet 101
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

Stage(ft)	Area(ac)
75.500	0.0500
76.970	0.0500
77.470	0.6190
77.970	0.6580
78.470	0.6850
78.970	0.7070
79.470	0.7330
79.970	0.7640
80.470	0.7950
80.970	0.8380
81.470	0.8980
81.970	0.9560
82.470	1.0200
82.970	1.0900
83.470	1.1560
83.970	1.2260
84.470	1.3070
84.970	1.3950
85.470	1.4970
85.970	1.6230
86.470	1.7930
86.970	1.9820
87.470	2.1530
87.970	2.4000

Name: 13P1811N Base Flow(cfs): 0.000 Init Stage(ft): 82.500
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1812N Base Flow(cfs): 0.000 Init Stage(ft): 81.700
Group: 13P Warn Stage(ft): 87.000
Type: Stage/Area

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheets 101, 104

Stage(ft)	Area(ac)
77.100	0.0500
999.000	0.0500

Name: 13P1813N Base Flow(cfs): 0.000 Init Stage(ft): 81.400
Group: 13P Warn Stage(ft): 86.000
Type: Stage/Area

ADDED
Estimated d/s invert from terrian

d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
MES to open channel

Stage(ft)	Area(ac)
81.400	0.0500
999.000	0.0500

Name: 13P1814N Base Flow(cfs): 0.000 Init Stage(ft): 77.650
Group: 13P Warn Stage(ft): 87.500
Type: Stage/Area

added - Grassy Lake outfall
discharge confirmed by BRW/CLR ON 12/7/15 - see notes
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)

Stage(ft)	Area(ac)
78.590	0.0500
999.000	0.0500

Name: 13P1815N Base Flow(cfs): 0.000 Init Stage(ft): 74.940
Group: 13P Warn Stage(ft): 83.790
Type: Stage/Area

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
warning stage based on parking lot elevation
ESA

Stage(ft)	Area(ac)
74.940	0.0500
999.000	0.0500

Name: 13P1820N Base Flow(cfs): 0.000 Init Stage(ft): 79.150
Group: 13P Warn Stage(ft): 89.600
Type: Stage/Area

Modified
updated initial stage from Survey - Lochrane 07/09/15 - Bainbridge at Casselberry Apartments (NAVD 88)

Stage(ft)	Area(ac)
80.800	0.0100
98.940	0.0100

Name: 13P1822N Base Flow(cfs): 0.000 Init Stage(ft): 81.150
Group: 13P Warn Stage(ft): 91.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P1824N Base Flow(cfs): 0.000 Init Stage(ft): 82.650
Group: 13P Warn Stage(ft): 88.000
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2010N Base Flow(cfs): 0.000 Init Stage(ft): 81.890
Group: 13P Warn Stage(ft): 90.050
Type: Stage/Area

Updated initial stage based on survey
GCS_1046_SD (NAVD 88)
DM 6183

Stage(ft)	Area(ac)

```
         81.890          0.0100
        999.000          0.0100

-------------------------------------------------------------------------------------
      Name: 13P2050N            Base Flow(cfs): 0.000          Init Stage(ft): 83.200
     Group: 13P                                                Warn Stage(ft): 90.050
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         82.950          0.0500
         88.950          0.4872
         89.950          1.6958
         90.950          2.7892

-------------------------------------------------------------------------------------
      Name: 13P2200N            Base Flow(cfs): 0.000          Init Stage(ft): 84.780
     Group: 13P                                                Warn Stage(ft): 87.350
      Type: Stage/Area

Updated initial stage pipe invert

      Stage(ft)        Area(ac)
--------------- ---------------
         84.780          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13P2300P            Base Flow(cfs): 0.000          Init Stage(ft): 87.800
     Group: 13P                                                Warn Stage(ft): 92.000
      Type: Stage/Area

Added
Pond 2 - see sheet 100
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         75.800          0.0500
         85.310          0.0500
         85.810          0.5290
         86.310          0.5600
         86.810          0.5890
         87.310          0.6290
         87.810          0.6700
         88.310          0.7320
         88.810          0.8110
         89.310          0.8990
         89.810          0.9910
         90.310          1.0920
         90.810          1.2020
         91.310          1.3110
         91.810          1.4390
         92.310          1.5750
         92.810          1.7610
         93.310          2.0170

-------------------------------------------------------------------------------------
      Name: 13P2350N            Base Flow(cfs): 0.000          Init Stage(ft): 83.600
     Group: 13P                                                Warn Stage(ft): 91.940
      Type: Stage/Area

Added
S-100: See sheets 99, 58
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         83.600          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------
      Name: 13P2400P            Base Flow(cfs): 0.000          Init Stage(ft): 82.400
     Group: 13P                                                Warn Stage(ft): 92.300
      Type: Stage/Area

Added
Pond 1 - see sheet 99
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         82.410          0.0500
```

```
         85.660          0.0500
         86.160          0.2920
         86.660          0.3420
         87.160          0.3900
         87.660          0.5600
         88.160          0.7770
         88.660          0.8570
         89.160          1.1330
         89.660          1.3100

-------------------------------------------------------------------------------------------
      Name: 13P2410N            Base Flow(cfs): 0.000          Init Stage(ft): 87.800
     Group: 13P                                                Warn Stage(ft): 93.170
      Type: Stage/Area

Added
 DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         82.400          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13P2420N            Base Flow(cfs): 0.000          Init Stage(ft): 87.400
     Group: 13P                                                Warn Stage(ft): 93.170
      Type: Stage/Area

Added
 DS-1: See sheets 99, 102
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

      Stage(ft)        Area(ac)
--------------- ---------------
         82.400          0.0500
        999.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13P2620N            Base Flow(cfs): 0.000          Init Stage(ft): 84.350
     Group: 13P                                                Warn Stage(ft): 89.950
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------------
      Name: 13P2640N            Base Flow(cfs): 0.000          Init Stage(ft): 84.350
     Group: 13P                                                Warn Stage(ft): 89.950
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------------
      Name: 13P2643N            Base Flow(cfs): 0.000          Init Stage(ft): 84.950
     Group: 13P                                                Warn Stage(ft): 91.950
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100

-------------------------------------------------------------------------------------------
      Name: 13P2644N            Base Flow(cfs): 0.000          Init Stage(ft): 87.550
     Group: 13P                                                Warn Stage(ft): 92.950
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         -1.050          0.0100
         98.940          0.0100
```

Name: 13P2646N Base Flow(cfs): 0.000 Init Stage(ft): 88.450
Group: 13P Warn Stage(ft): 92.950
Type: Stage/Area

Stage(ft)	Area(ac)
-1.050	0.0100
98.940	0.0100

Name: 13P2660P Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13P Warn Stage(ft): 88.950
Type: Stage/Area

Stage(ft)	Area(ac)
83.950	0.0500
86.950	0.2469
86.960	0.6317
87.950	5.9604
88.950	10.5940
89.950	15.3057

Name: 13P2661P Base Flow(cfs): 0.000 Init Stage(ft): 88.750
Group: 13P Warn Stage(ft): 89.050
Type: Stage/Area

Stage(ft)	Area(ac)
87.950	0.0500
88.950	1.6046
89.950	7.1643

Name: 13P3100P Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: GEE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	0.000
999.00	0.000

Name: 13P3120N Base Flow(cfs): 0.000 Init Stage(ft): 88.740
Group: GEE Warn Stage(ft): 94.440
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 13P3150N Base Flow(cfs): 0.000 Init Stage(ft): 89.050
Group: GEE Warn Stage(ft): 93.610
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 13P3250N Base Flow(cfs): 0.000 Init Stage(ft): 85.570
Group: GEE Warn Stage(ft): 94.120
Type: Stage/Area

Stage(ft)	Area(ac)

```
      Name: 13P3300N            Base Flow(cfs): 0.000          Init Stage(ft): 84.400
     Group: GEE                                                Warn Stage(ft): 94.910
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3350N            Base Flow(cfs): 0.000          Init Stage(ft): 81.900
     Group: GEE                                                Warn Stage(ft): 93.160
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3400P            Base Flow(cfs): 0.000          Init Stage(ft): 81.330
     Group: GEE                                                Warn Stage(ft): 94.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 13P3450N            Base Flow(cfs): 0.000          Init Stage(ft): 89.190
     Group: GEE                                                Warn Stage(ft): 90.980
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         50.000          0.0500
        100.000          0.0500

-------------------------------------------------------------------------------------------
      Name: 13P3500N            Base Flow(cfs): 0.000          Init Stage(ft): 83.260
     Group: GEE                                                Warn Stage(ft): 90.560
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.260          0.0030
        999.000          0.0030

-------------------------------------------------------------------------------------------
      Name: 13Q0500N            Base Flow(cfs): 0.000          Init Stage(ft): 83.900
     Group: 13Q                                                Warn Stage(ft): 88.650
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
         83.900          1.3330
         89.950          4.1750

-------------------------------------------------------------------------------------------
      Name: 13Q0820P            Base Flow(cfs): 0.000          Init Stage(ft): 85.800
     Group: 13Q                                                Warn Stage(ft): 89.050
      Type: Stage/Area

Revision
Updated inital stage to control elev.
Updated stage/area

      Stage(ft)        Area(ac)
--------------- ---------------
         79.000          0.8950
         83.000          1.1020
         85.000          1.1400
         87.000          1.4510
         89.000          1.8380

-------------------------------------------------------------------------------------------
      Name: 13Q0821N            Base Flow(cfs): 0.000          Init Stage(ft): 84.410
     Group: 13Q                                                Warn Stage(ft): 87.000
```

Type: Stage/Area

Revision
Structure S-122
GCS_1046_SD

Stage(ft)	Area(ac)
84.410	0.0400
85.760	0.0600

Name: 13Q0822N Base Flow(cfs): 0.000 Init Stage(ft): 83.300
Group: 13Q Warn Stage(ft): 89.850
Type: Stage/Area

Revision
Structure S-115
GCS_1046_SD

Stage(ft)	Area(ac)
83.300	0.0100
999.000	0.0100

Name: 13Q0840P Base Flow(cfs): 0.000 Init Stage(ft): 86.000
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Updated inital stage and stage/area

Stage(ft)	Area(ac)
83.600	0.0010
84.100	0.1690
84.600	1.0720
85.100	1.5230
85.600	1.7900
86.100	2.0630
86.600	2.4090
87.100	2.6340

Name: 13Q0860P Base Flow(cfs): 0.000 Init Stage(ft): 87.780
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Updated initial stage to match control elevation
Updated stage/area

Stage(ft)	Area(ac)
81.750	0.1640
82.250	0.1780
82.750	0.1970
83.250	0.2360
83.750	0.4030
84.250	0.6630
84.750	1.0300
85.250	1.4270
85.750	1.8100
86.250	2.2190
86.750	2.7140
87.250	3.2870
87.750	4.1160
88.250	4.7640
88.750	5.4830

Name: 13Q0861N Base Flow(cfs): 0.000 Init Stage(ft): 86.090
Group: 13Q Warn Stage(ft): 89.010
Type: Stage/Area

Renamed from GROUND (Time/stage)
Casselberry City Infrstructure (Assumed NAVD 88)
inital stage from infrastructure

Stage(ft)	Area(ac)

86.090	0.0500
999.000	0.0500

Name: 13Q0865N Base Flow(cfs): 0.000 Init Stage(ft): 85.320
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
85.320	0.0500
999.000	0.0500

Name: 13Q0870P Base Flow(cfs): 0.000 Init Stage(ft): 86.170
Group: 13Q Warn Stage(ft): 88.000
Type: Stage/Area

Added
Pond
Field Recon by BRW/CLR on 12/7/15

Stage(ft)	Area(ac)
82.160	0.0010
82.660	0.7520
83.160	0.7800
83.660	0.8320
84.160	0.8960
84.660	1.0700
85.160	1.2560
85.660	1.4680
86.160	1.7340
86.660	2.0290
87.160	2.4390
87.660	3.1330
88.160	4.3370

Name: 13Q0875N Base Flow(cfs): 0.000 Init Stage(ft): 84.900
Group: 13Q Warn Stage(ft): 90.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
84.900	0.0500
999.000	0.0500

Name: 13Q0880N Base Flow(cfs): 0.000 Init Stage(ft): 84.350
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
84.350	0.0500
999.000	0.0500

Name: 13Q0885N Base Flow(cfs): 0.000 Init Stage(ft): 82.930
Group: 13Q Warn Stage(ft): 89.000
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
82.930	0.0500
999.000	0.0500

Name: 13Q0890N Base Flow(cfs): 0.000 Init Stage(ft): 82.830
Group: 13Q Warn Stage(ft): 89.820
Type: Stage/Area

Added
Casselberry City Infrstructure (Assumed NAVD 88)

Stage(ft)	Area(ac)
82.830	0.0500
999.000	0.0500

Name: 13Q0895N Base Flow(cfs): 0.000 Init Stage(ft): 78.600
Group: 13Q Warn Stage(ft): 87.110
Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

Stage(ft)	Area(ac)
75.110	0.0500
999.000	0.0500

Name: 13Q0896N Base Flow(cfs): 0.000 Init Stage(ft): 82.280
Group: 13Q Warn Stage(ft): 87.110
Type: Stage/Area

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Bottom of structure measure to be 12' from the top
Top of structure elevation at ground level - estimated from terrain

Stage(ft)	Area(ac)
75.110	0.0500
999.000	0.0500

Name: 13Q0924P Base Flow(cfs): 0.000 Init Stage(ft): 85.800
Group: 13Q Warn Stage(ft): 88.950
Type: Stage/Area

Revision
Updated initial stage to control elev
updated stage/area calcs

Stage(ft)	Area(ac)
80.000	0.4420
82.000	0.5860
85.000	0.6610
87.000	0.8386
89.000	1.1279

Name: 13Q0940P Base Flow(cfs): 0.000 Init Stage(ft): 85.800
Group: 13Q Warn Stage(ft): 88.950
Type: Stage/Area

Revision
Updated initial stage to control elev
Updated stage/area

Stage(ft)	Area(ac)
80.000	0.3940
83.000	0.5330
85.000	0.6080
87.000	0.7780
89.000	1.0600

Name: 13Q2290P Base Flow(cfs): 0.000 Init Stage(ft): 78.620
Group: 13Q Warn Stage(ft): 85.950
Type: Stage/Area

Added
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
69.950	0.9400
78.500	1.0530

82.000	1.3890
84.000	1.5790
86.000	1.8430
88.000	2.2500

Name: 13Q2291N Base Flow(cfs): 0.000 Init Stage(ft): 78.370
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 23 Structure 9

Stage(ft)	Area(ac)
77.400	0.0500
999.000	0.0500

Name: 13Q2292N Base Flow(cfs): 0.000 Init Stage(ft): 76.720
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
76.720	0.0500
999.000	0.0500

Name: 13Q2293N Base Flow(cfs): 0.000 Init Stage(ft): 75.400
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

Stage(ft)	Area(ac)
75.400	0.0500
999.000	0.0500

Name: 13Q2294N Base Flow(cfs): 0.000 Init Stage(ft): 71.900
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

Stage(ft)	Area(ac)
71.900	0.0500
999.000	0.0500

Name: 13Q2295N Base Flow(cfs): 0.000 Init Stage(ft): 71.900
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)
s-8

Stage(ft)	Area(ac)
71.900	0.0500
999.000	0.0500

Name: 13Q2296N Base Flow(cfs): 0.000 Init Stage(ft): 72.120
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)

72.120	0.0500
999.000	0.0500

Name: 13Q2300P Base Flow(cfs): 0.000 Init Stage(ft): 71.350
Group: 13Q Warn Stage(ft): 0.000
Type: Stage/Area

EX Model Revision
GCS_1037_SD (NGVD 29)

Stage(ft)	Area(ac)
71.350	0.1000
72.000	0.3490
73.000	0.4720
74.000	0.5010
75.000	0.5280
76.000	0.5510
77.000	0.7350
78.000	0.8450

Name: CEMETERY Base Flow(cfs): 0.000 Init Stage(ft): 60.950
Group: 13F Warn Stage(ft): 63.550
Type: Stage/Area

Stage(ft)	Area(ac)
59.950	0.9713
60.950	1.4276
61.950	1.9834
62.950	2.8499
63.950	4.6656

Name: CONCORD Base Flow(cfs): 0.500 Init Stage(ft): 55.950
Group: 13M Warn Stage(ft): 58.950
Type: Stage/Area

Stage(ft)	Area(ac)
55.950	17.9560
56.950	19.9516
57.950	21.2131
58.950	22.3080
59.950	24.5515

Name: CRYSTBWL Base Flow(cfs): 0.000 Init Stage(ft): 58.250
Group: 13N Warn Stage(ft): 64.950
Type: Stage/Area

Stage(ft)	Area(ac)
57.950	7.6810
58.950	8.3421
59.950	9.0601
60.950	9.7166
61.950	10.4017
62.950	11.0941
63.950	12.2905
64.950	14.5440

Name: DUCKPOND Base Flow(cfs): 0.000 Init Stage(ft): 48.850
Group: 13F Warn Stage(ft): 57.250
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	0.7600
51.950	0.7638
54.950	1.1914
55.950	1.3259
56.950	1.5474
57.950	2.2529

58.950	3.3766

Name: ELLEN Base Flow(cfs): 0.000 Init Stage(ft): 64.850
Group: 13M Warn Stage(ft): 67.750
Type: Stage/Area

Stage(ft)	Area(ac)
63.950	4.6700
64.950	5.1800
65.950	5.7560
66.950	6.3960
67.950	7.0247
68.950	7.5702
69.950	8.1380
70.950	8.7480

Name: EVERGRN Base Flow(cfs): 0.000 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 63.950
Type: Stage/Area

Stage(ft)	Area(ac)
56.950	1.5300
58.040	2.2308
58.950	3.2473
59.950	3.7288
60.950	4.2145
61.950	4.6767
62.950	5.2000
63.950	5.7800

Name: FAIRY Base Flow(cfs): 0.900 Init Stage(ft): 52.230
Group: 13I Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	45.3910
52.130	50.4351
52.950	52.8165
53.950	55.4116
54.950	58.1505
55.950	61.5913
56.950	65.8391
57.950	71.8718
58.950	80.0927

Name: FERN Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 62.450
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	3.1860
61.950	3.5390
62.950	3.9311
63.950	4.4455
64.950	4.4500

Name: GEM Base Flow(cfs): 0.000 Init Stage(ft): 70.950
Group: 13I Warn Stage(ft): 73.350
Type: Stage/Area

Stage(ft)	Area(ac)
70.150	4.0457
70.950	4.5105
71.950	5.0185
72.950	5.9041

73.950	8.0343

Name: GRASSY Base Flow(cfs): 0.400 Init Stage(ft): 82.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
80.950	4.4600
81.950	4.9600
82.950	5.0713
83.950	11.9570
84.950	12.7708
85.950	13.4899
86.950	14.2498

Name: GRIFFIN Base Flow(cfs): 0.300 Init Stage(ft): 74.750
Group: 13K Warn Stage(ft): 75.950
Type: Stage/Area

Stage(ft)	Area(ac)
73.950	15.0370
74.950	15.0372
75.950	18.2976
76.950	22.2679
77.950	27.1000

Name: HODGE Base Flow(cfs): 0.000 Init Stage(ft): 51.450
Group: 13H Warn Stage(ft): 53.050
Type: Stage/Area

Stage(ft)	Area(ac)
49.950	18.1678
50.950	20.1181
51.950	21.9942
52.950	23.9954
53.950	25.8800
54.950	27.9000

Name: IRENE-N Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	7.2500
54.950	8.1116
55.950	9.0658
56.950	10.0399
57.950	10.8952
58.950	11.8569
59.950	13.1170
60.950	14.1115
63.950	17.5500

Name: IRENE-S Base Flow(cfs): 0.000 Init Stage(ft): 54.950
Group: 13H Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.950	4.1200
54.950	4.5971
55.950	5.1386
56.950	5.6750
57.950	6.1260
58.950	6.5877
59.950	7.5313

60.950	9.0024
63.950	15.3700

Name: JANE Base Flow(cfs): 0.000 Init Stage(ft): 63.850
Group: 13I Warn Stage(ft): 66.050
Type: Stage/Area

Stage(ft)	Area(ac)
60.950	0.9200
62.950	1.3500
64.950	1.9727
65.950	2.3051
66.950	2.7961
67.950	3.1247

Name: JESUP Base Flow(cfs): 0.000 Init Stage(ft): 8.750
Group: 13A Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	8.750
99.00	8.750

Name: KATHRYN Base Flow(cfs): 9.000 Init Stage(ft): 50.450
Group: 13A Warn Stage(ft): 51.950
Type: Stage/Area

Stage(ft)	Area(ac)
46.950	50.7400
47.950	56.3770
48.950	62.6410
49.950	69.6016
50.950	78.3770
51.950	81.7231
52.950	86.2032
53.950	94.8745
54.950	109.9357

Name: LOST Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
49.300	0.0010
49.800	12.5200
50.300	13.9250
50.800	14.5700
51.300	15.3490
51.800	16.9160
52.300	19.2240
52.800	20.7270
53.300	21.9630
53.800	22.8660
54.300	23.6330
54.800	24.4100
55.300	25.2680
55.800	26.1090
56.300	27.4030
56.800	29.4670
57.300	31.8220
57.800	32.9640
58.300	33.5920
58.800	33.8580
59.300	34.2650
59.800	34.7750
60.300	35.1350
60.800	35.4180
61.300	35.7510
61.800	36.1210

62.300	36.3210
62.800	36.4860
63.300	36.4930
73.300	36.4930

Name: LOTUS Base Flow(cfs): 0.000 Init Stage(ft): 82.950
Group: 13K Warn Stage(ft): 85.850
Type: Stage/Area

Stage(ft)	Area(ac)
81.950	3.7637
82.950	4.1584
83.950	4.5544
84.950	5.3459
85.950	6.8663

Name: LPRAIRIE Base Flow(cfs): 0.000 Init Stage(ft): 91.250
Group: 13P Warn Stage(ft): 91.950
Type: Stage/Area

Stage(ft)	Area(ac)
88.950	1.6148
91.250	1.6148
91.950	6.8233
92.950	11.7850

Name: LWILDMER Base Flow(cfs): 0.000 Init Stage(ft): 61.950
Group: 13I Warn Stage(ft): 63.450
Type: Stage/Area

Stage(ft)	Area(ac)
58.950	0.0408
59.950	4.5894
60.950	6.1631
61.950	7.7773
62.950	10.2403
63.950	14.9519

Name: MALTBIE Base Flow(cfs): 0.000 Init Stage(ft): 80.950
Group: 13P Warn Stage(ft): 83.950
Type: Stage/Area

Stage(ft)	Area(ac)
78.950	3.9200
80.950	3.9200
82.050	4.3529
83.950	5.0094
86.950	8.3265
87.950	22.2858
88.950	26.2556
89.950	30.0558
90.950	35.8311

Name: ORANGE Base Flow(cfs): 0.000 Init Stage(ft): 72.150
Group: 13I Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
72.150	2.3647
72.950	2.7537
73.950	3.2152
74.950	4.0535
75.950	4.2500

Name: OXFORD Base Flow(cfs): 0.000 Init Stage(ft): 68.450
Group: 13L Warn Stage(ft): 72.950
Type: Stage/Area

stage area based on DEM

Stage(ft)	Area(ac)
68.450	0.0010
69.310	0.0010
69.810	0.8560
70.310	4.0980
70.810	5.2310
71.310	5.9130
71.810	6.4240
72.310	6.8750
72.810	7.3800
73.310	8.0520
73.810	8.8200
74.310	9.5490
74.810	10.3010
75.310	10.8640
75.810	11.5120
76.310	12.0910
76.810	12.5450
77.310	12.9960
77.810	13.6110
78.310	14.1860
78.810	14.3550
79.310	14.4360
79.810	14.5110
80.310	14.6300
80.810	14.8550
81.310	15.1450
81.810	15.4090
82.310	15.6140
82.810	15.7490
83.310	15.8840
83.810	16.0660
84.310	16.2030
84.810	16.3620
85.310	16.4810
85.810	16.5970
86.310	16.6900
86.810	16.7920
87.310	16.8720
87.810	16.9320
88.310	17.0020
88.810	17.0910
89.310	17.1920
89.810	17.3920
90.310	17.5950
90.810	17.8480
91.310	18.1050
91.810	18.3670
92.310	18.4780
92.810	18.5550
93.310	18.6000
93.810	18.6560
94.310	18.7170
94.560	18.7300

Name: PEARL Base Flow(cfs): 0.100 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 86.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	12.3456
86.950	15.4107
87.950	22.8788

Name: PINEYRDG Base Flow(cfs): 0.000 Init Stage(ft): 79.350
Group: 13P Warn Stage(ft): 85.950
Type: Stage/Area

Stage(ft)	Area(ac)
79.350	1.0594

83.950	1.0995
84.950	1.4995
85.950	1.9009
86.950	3.0423
87.950	4.9482
88.950	7.6141

Name: PLAZA Base Flow(cfs): 0.000 Init Stage(ft): 73.950
Group: 13K Warn Stage(ft): 75.650
Type: Stage/Area

Stage(ft)	Area(ac)
71.950	1.6285
72.950	2.0563
73.950	2.5946
74.950	3.2738
75.950	4.2904

Name: POND1 Base Flow(cfs): 0.000 Init Stage(ft): 68.000
Group: 13P Warn Stage(ft): 73.000
Type: Stage/Area

Stage(ft)	Area(ac)
60.000	4.3400
73.000	9.7300
75.150	10.7450
75.650	12.5090
76.150	13.9960
76.650	15.6180
77.150	17.1260
77.650	18.3690
78.150	19.0480
78.650	19.6250
79.150	20.1390
79.650	20.5060
80.150	20.7560
80.650	21.0090
81.150	21.2500
81.650	21.4840
82.150	21.6750
82.650	21.8480
83.150	21.9790
83.650	22.1220
84.150	22.2760
84.650	22.4610
85.150	22.6540
85.650	22.9010
86.150	23.0300
86.650	23.1180
87.150	23.2400
87.650	23.4640
88.150	23.7850
88.650	24.1000
89.150	24.4080
89.710	24.5020
99.710	24.5020

Name: POND2 Base Flow(cfs): 0.000 Init Stage(ft): 50.000
Group: 13L Warn Stage(ft): 54.000
Type: Stage/Area

Stage(ft)	Area(ac)
42.000	0.0900
54.000	0.7700
54.330	1.7840
54.830	2.1820
55.330	2.4660
55.830	2.6180
56.330	2.7340
56.830	3.1160
57.330	3.5340
57.830	4.0050
58.330	4.4190

58.830	4.7780
59.330	4.9410
59.830	5.0760
60.330	5.2610
60.830	5.4630
61.330	5.7000
61.830	5.8690
62.330	5.9660
62.830	6.0530
63.330	6.1380
63.830	6.2100
64.330	6.2720
64.830	6.3680
65.330	6.4550
65.830	6.6040
66.330	6.7210
66.830	6.8240
67.330	6.9360
67.830	6.9480
68.330	6.9550
68.800	6.9580
78.800	6.9580

Name: POND5 Base Flow(cfs): 0.000 Init Stage(ft): 60.000
Group: 13N Warn Stage(ft): 63.000
Type: Stage/Area

Stage(ft)	Area(ac)
53.000	0.1300
63.000	0.9500
63.460	10.7430
63.960	12.9060
64.460	14.9550
64.960	17.1130
65.460	18.4230
65.960	19.0690
66.460	19.6380
66.960	20.1430
67.460	20.4890
67.960	20.8140
68.460	21.1100
68.960	21.4120
69.460	21.8560
69.960	22.2820
70.460	22.6620
70.960	22.8720
71.460	23.0270
71.960	23.1920
72.460	23.2790
73.050	23.3260
83.050	23.3260

Name: POND7 Base Flow(cfs): 0.000 Init Stage(ft): 51.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage-area re-calculated

Stage(ft)	Area(ac)
45.000	1.4700
53.000	2.7100
57.000	3.4000
57.690	3.5630
58.190	4.1050
58.690	4.5800
59.190	5.0350
59.690	5.5250
60.190	6.0970
60.690	6.6950
61.190	7.1050
61.690	7.5870
62.190	7.9080
62.690	8.2190
63.190	8.5000
63.690	8.7290
64.190	8.9460
64.690	9.1550
65.190	9.3740
65.690	9.5480

66.190	9.7040
66.690	9.8960
67.190	10.1770
67.690	10.9280
68.190	11.4100
68.690	12.2510
69.190	13.2980
69.690	14.9860
70.190	17.2840
70.690	19.1100
71.190	20.9470
71.690	22.6010
72.190	24.6190
72.690	25.7330
73.190	26.4390
73.690	26.7990
74.190	27.0860
74.690	27.3770
75.040	27.4130
85.040	27.4130

Name: POND8A Base Flow(cfs): 0.000 Init Stage(ft): 54.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.9300
54.000	3.8800
57.000	5.0100
57.870	5.9200
58.370	6.7280
58.870	7.7730
59.370	8.7880
59.870	9.3180
60.370	9.8010
60.870	10.1790
61.370	10.4060
61.870	10.5900
62.370	10.7600
62.870	10.9460
63.370	11.0380
63.870	11.1430
64.420	11.1600
74.420	11.1600

Name: POND8B Base Flow(cfs): 0.000 Init Stage(ft): 54.000
Group: 13L Warn Stage(ft): 58.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.5800
54.000	1.6600
57.000	2.1000
57.380	4.8960
57.880	5.7160
58.380	6.1470
58.880	6.3560
59.380	6.5440
59.880	6.7630
60.380	6.9810
60.880	7.1570
61.380	7.3120
61.880	7.4840
62.380	7.6930
62.880	7.8380
63.380	7.9870
63.880	8.0950
64.380	8.2140
64.880	8.3340
65.380	8.4750
65.880	8.5850
66.380	8.6920
66.880	8.8090
67.380	8.9570
67.880	9.1020
68.380	9.3060
68.880	9.4090

69.380	9.5170
69.880	9.7100
70.380	9.7840
70.720	9.8300
80.720	9.8300

Name: PRAIRIE Base Flow(cfs): 1.400 Init Stage(ft): 84.710
Group: 13P Warn Stage(ft): 87.950
Type: Stage/Area

Stage(ft)	Area(ac)
84.050	122.1010
84.950	126.7382
85.950	131.2661
86.950	142.8805
87.950	155.3361

Name: QUAIL Base Flow(cfs): 0.000 Init Stage(ft): 61.940
Group: 13M Warn Stage(ft): 65.950
Type: Stage/Area

Revision
Updated inital stage to match control elev

Stage(ft)	Area(ac)
59.950	3.5880
62.950	3.5880
63.950	3.9866
64.950	4.4206
65.950	4.9000

Name: QUEENS Base Flow(cfs): 1.200 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	10.5060
49.800	13.0620
50.300	13.2700
50.800	13.4790
51.300	13.9040
51.800	14.6370
52.300	15.5370
52.800	16.2740
53.300	17.0970
53.800	17.9640
54.300	18.6980
54.800	19.4420
55.300	20.1620
55.800	21.1310
56.300	21.9860
56.800	22.9640
57.300	23.9130
57.800	24.9330
58.300	25.9020
58.800	26.9570
59.300	28.5670
59.800	30.1110
60.300	31.3650
60.800	32.5010
61.300	33.3910
61.800	34.1280
62.300	34.8340
62.800	35.5990
63.300	36.2940
63.800	37.0360
64.300	37.6090
64.800	38.1900
65.300	38.7200
65.800	39.5250
66.300	40.3380
66.800	41.0140
67.300	41.5170
67.800	42.0420
68.300	42.5130

68.800	42.9200
69.300	43.4230
69.800	43.8150
70.300	44.0400
70.800	44.1000
71.310	44.1220
81.310	44.1220

Name: SECRET Base Flow(cfs): 0.100 Init Stage(ft): 50.901
Group: 13M Warn Stage(ft): 52.950
Type: Stage/Area

Stage(ft)	Area(ac)
48.950	7.5830
49.950	8.3180
50.950	9.2440
51.950	12.8940
52.950	15.0680
53.950	21.3260
54.950	27.2880

Name: TRIPLT-M Base Flow(cfs): 0.600 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 51.950
Type: Stage/Area

Revision
Revised stage area

Stage(ft)	Area(ac)
48.000	47.2900
49.690	47.5930
50.190	52.6660
50.690	55.8010
51.190	58.4650
51.690	61.8260
52.190	66.1610
52.690	68.9610
53.190	71.4600
53.690	73.7750
54.190	76.6410
54.690	79.6790
55.190	82.7070
55.690	85.5080
56.190	88.5060
56.690	90.8370
57.190	92.9790
57.690	95.4370
58.190	97.2560
58.690	98.9030
59.190	99.9860
59.690	100.6830
60.190	101.1230
60.690	101.4940
61.190	101.9080
61.690	102.1970
62.190	102.5670
62.740	102.7340
72.740	102.7340

Name: TRIPLT-N Base Flow(cfs): 0.300 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 52.250
Type: Stage/Area

Stage(ft)	Area(ac)
47.950	16.8790
48.950	18.7550
49.950	20.8390
50.950	23.1542
51.950	25.9724
52.950	30.2624
53.950	35.5159
54.950	38.6264
55.950	41.5881

Name: TRIPLT-S Base Flow(cfs): 0.000 Init Stage(ft): 50.450
Group: 13L Warn Stage(ft): 0.000
Type: Stage/Area

Revision
Added node to seperate Middle and South Triplet Lake

Stage(ft)	Area(ac)
48.000	22.9600
49.660	25.2570
50.160	27.0350
50.660	28.0550
51.160	29.2570
51.660	31.3480
52.160	34.0790
52.660	37.1680
53.160	40.1150
53.660	42.3940
54.160	44.2540
54.660	46.0060
55.160	47.6870
55.660	49.2610
56.160	50.8700
56.660	53.0370
57.160	55.0550
57.660	57.0640
58.160	59.5760
58.660	62.7040
59.160	65.5830
59.660	68.4210
60.160	71.5290
60.660	73.9480
61.160	75.9750
61.660	78.0140
62.160	80.2750
62.660	82.7530
63.160	84.2810
63.660	85.5360
64.160	86.3430
64.660	87.0770
65.160	87.6080
65.660	88.1730
66.160	88.8210
66.660	89.7570
67.160	90.7330
67.660	91.4510
68.160	91.9940
68.660	92.3600
69.160	92.7110
69.660	93.0610
70.160	93.3650
70.660	93.6970
71.160	94.1290
71.660	94.5840
72.160	94.8840
72.660	95.1020
73.160	95.1970
73.660	95.3040
74.160	95.4290
74.660	95.5710
75.160	95.7680
75.660	95.9480
76.160	96.3930
76.660	96.4730
77.290	96.4750
87.290	96.4750

Name: TROUT Base Flow(cfs): 0.200 Init Stage(ft): 78.700
Group: 13K Warn Stage(ft): 80.650
Type: Stage/Area

Stage(ft)	Area(ac)
77.950	15.2240
78.950	17.5082
79.950	20.1318
80.950	22.3211

Name: WILDMERE Base Flow(cfs): 0.800 Init Stage(ft): 57.950
Group: 13I Warn Stage(ft): 57.950

Type: Stage/Area

Stage(ft)	Area(ac)
55.950	29.1100
56.950	31.1100
57.950	33.2411
58.950	37.3433
59.950	39.9008
60.950	43.2276
61.950	46.8000
62.950	50.7000

Name: YVONNE Base Flow(cfs): 0.600 Init Stage(ft): 52.020
Group: 13N Warn Stage(ft): 53.950
Type: Stage/Area

Stage(ft)	Area(ac)
50.950	13.9130
51.950	17.7690
52.950	22.6935
53.950	28.9822
54.950	36.7654
55.950	45.9359
56.950	57.3900

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==== Cross Sections ==========
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Name: 13A-B04X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
1.150	19.230	0.040000
1.150	14.920	0.040000
11.000	12.950	0.035000
12.050	12.740	0.035000
12.050	19.230	0.040000
13.200	19.230	0.040000
13.200	12.510	0.040000
24.100	10.330	0.035000
24.100	19.230	0.040000
25.250	19.230	0.040000
25.250	10.100	0.040000
33.000	8.550	0.035000
36.150	6.910	0.035000
36.150	19.230	0.040000
37.300	19.230	0.040000
37.300	6.310	0.040000
38.000	5.950	0.035000
48.200	5.160	0.035000
48.200	19.230	0.040000
49.350	19.230	0.040000
49.350	5.080	0.040000
51.000	4.950	0.030000
60.250	4.670	0.030000
60.250	19.230	0.040000
61.400	19.230	0.040000
61.400	4.950	0.040000
70.000	9.150	0.035000
72.300	9.290	0.035000
72.300	19.230	0.040000
73.450	19.230	0.040000
73.450	9.360	0.040000
75.000	9.450	0.035000
84.350	9.520	0.035000
84.350	19.230	0.040000
85.500	19.230	0.040000
85.500	9.530	0.040000
96.400	9.600	0.035000
96.400	19.230	0.040000
97.550	19.230	0.040000
97.550	9.610	0.040000
103.000	9.650	0.035000
108.450	9.540	0.035000

108.450	19.230	0.040000
109.600	19.230	0.040000
109.600	9.520	0.040000
120.500	9.300	0.035000
120.500	19.230	0.040000
121.650	19.230	0.040000
121.650	9.270	0.040000
132.550	9.070	0.035000
132.550	19.230	0.040000
133.770	19.230	0.040000
133.770	9.040	0.040000
144.600	8.830	0.035000
144.600	19.230	0.040000
145.750	19.230	0.040000
145.750	8.810	0.040000
156.650	8.590	0.035000
156.650	19.230	0.040000
157.800	19.230	0.040000
157.800	8.570	0.040000
168.700	8.350	0.035000
168.700	19.230	0.040000
169.850	19.230	0.040000
169.850	8.230	0.040000
172.000	7.950	0.035000
174.000	6.850	0.030000
180.000	6.350	0.030000
180.750	6.440	0.030000
180.750	19.230	0.040000
181.900	19.230	0.040000
181.900	6.580	0.040000
185.000	6.950	0.030000
188.000	9.050	0.035000
192.800	9.610	0.035000
192.800	19.230	0.040000
193.950	19.230	0.040000
193.950	9.740	0.040000
200.000	10.450	0.035000
204.850	12.120	0.035000
204.850	19.230	0.040000
206.000	19.230	0.040000
206.000	12.510	0.040000
209.000	13.550	0.035000
216.900	16.350	0.035000
216.900	19.230	0.040000

Name: 13A-B20R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.650	0.016000
-50.000	26.360	0.016000
0.000	27.410	0.016000
50.000	27.420	0.016000
100.000	27.340	0.016000

Name: 13A-B20X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-26.100	25.430	0.020000
-26.100	23.650	0.020000
-20.000	21.650	0.020000
-18.000	19.950	0.035000
-13.000	19.850	0.035000
-9.000	19.950	0.020000
-5.000	21.850	0.020000
-1.300	22.650	0.020000
-1.300	25.430	0.020000

Name: 13A-B23R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-95.000	31.900	0.110000
-41.000	31.850	0.015000
0.000	31.850	0.015000

Name: 13A-B23X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.700	30.850	0.080000
-72.700	28.450	0.080000
-66.000	28.350	0.080000
-41.000	28.450	0.080000
-33.000	25.150	0.080000
-26.000	24.250	0.080000
-24.000	20.550	0.080000
-20.000	21.150	0.050000
-13.000	21.450	0.050000
-8.000	25.650	0.080000
-8.000	30.850	0.080000

Name: 13A-B25R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	32.000	0.016000
0.000	33.020	0.016000
50.000	33.070	0.016000
100.000	32.310	0.016000

Name: 13A-B25X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-14.000	30.990	0.013000
-14.000	29.650	0.013000
-11.000	29.050	0.030000
-8.000	27.250	0.030000
-3.000	22.950	0.030000
0.000	22.750	0.035000
3.000	23.350	0.035000
4.000	25.150	0.030000
8.000	26.150	0.030000
12.000	28.250	0.030000
12.000	30.990	0.030000

Name: 13A-B49X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.560	0.016000
0.000	45.650	0.016000
8.000	44.250	0.035000
9.000	42.750	0.035000
13.500	41.850	0.035000
19.000	42.350	0.035000
27.000	44.450	0.035000
27.000	48.560	0.016000

Name: 13A-B57R Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.500	53.460	0.016000
-36.500	52.910	0.016000
13.500	52.580	0.016000

63.500	53.060	0.016000
113.500	53.540	0.016000

Name: 13A-B57X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.210	0.027000
6.000	47.280	0.027000
18.000	47.230	0.027000
25.000	51.200	0.027000

Name: 13A-W343 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.950	0.110000
140.000	50.950	0.110000
200.000	50.450	0.110000
260.000	50.950	0.110000
345.000	51.950	0.110000

Name: 13A-W390 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	40.250	0.110000
-25.000	40.150	0.110000
0.000	39.950	0.110000
14.000	39.450	0.110000
20.000	39.150	0.110000
27.000	39.450	0.110000
50.000	40.350	0.110000

Name: 13A-W590 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.350	52.950	0.040000
-16.350	52.350	0.040000
0.000	51.640	0.040000
5.600	51.670	0.025000
5.600	49.660	0.025000
13.700	49.610	0.025000
13.700	48.640	0.025000
15.600	48.670	0.013000
15.600	49.610	0.025000
23.900	49.820	0.025000
23.900	51.940	0.025000
29.500	51.910	0.025000
35.650	52.650	0.040000
43.650	52.950	0.040000

Name: 13A0000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	10.850	0.150000
-50.000	9.550	0.150000
-25.000	9.250	0.150000
0.000	9.150	0.150000
3.000	8.850	0.100000
7.000	7.150	0.035000
11.000	5.150	0.035000
19.000	3.950	0.035000

28.000	2.950	0.035000
32.000	8.850	0.035000
35.000	10.150	0.035000
41.000	10.550	0.100000

Name: 13A0100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	17.450	0.150000
0.000	13.950	0.150000
7.000	11.250	0.150000
11.000	5.250	0.150000
19.000	2.950	0.035000
28.000	2.350	0.035000
34.000	9.350	0.150000
39.000	11.050	0.150000

Name: 13A0300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-9.000	11.950	0.150000
-2.000	9.050	0.150000
0.000	8.850	0.150000
6.000	7.550	0.150000
8.000	5.450	0.050000
17.000	5.050	0.030000
25.000	5.350	0.030000
26.000	8.750	0.050000
30.000	10.350	0.150000

Name: 13A0500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	12.150	0.150000
17.000	11.550	0.150000
25.000	10.650	0.150000
32.000	8.650	0.150000
35.000	4.050	0.030000
41.000	5.150	0.030000
48.000	5.150	0.030000
53.000	8.150	0.030000
62.000	12.250	0.150000

Name: 13A0600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	11.850	0.150000
0.000	11.150	0.150000
2.000	10.750	0.150000
5.000	9.550	0.150000
10.000	5.850	0.030000
19.000	5.250	0.030000
28.000	6.450	0.030000
33.000	9.750	0.030000
58.000	11.650	0.150000
83.000	12.250	0.150000
116.000	13.950	0.150000

Name: 13A0800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	17.750	0.150000
-25.000	16.750	0.150000
0.000	15.350	0.150000
2.000	15.350	0.150000
10.000	9.750	0.150000
13.000	5.150	0.080000
18.000	4.150	0.080000
25.000	6.350	0.080000
30.000	9.650	0.080000
35.000	10.150	0.150000
60.000	10.750	0.150000
85.000	10.750	0.150000

Name: 13A0900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	16.650	0.035000
-50.000	13.450	0.035000
-25.000	12.150	0.150000
0.000	11.650	0.150000
3.000	10.150	0.150000
6.000	7.750	0.080000
11.000	7.250	0.080000
18.000	7.650	0.080000
23.000	11.750	0.080000
50.000	11.150	0.150000
75.000	12.150	0.150000

Name: 13A1000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.950	0.030000
-25.000	16.550	0.030000
0.000	15.650	0.030000
17.000	12.950	0.035000
34.000	12.550	0.035000
42.000	11.750	0.035000
46.000	9.950	0.030000
49.000	8.850	0.030000
55.000	9.350	0.030000
56.000	13.230	0.080000
81.000	15.350	0.150000
106.000	17.050	0.150000

Name: 13A1100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	19.950	0.030000
0.000	19.550	0.030000
10.000	19.450	0.100000
16.000	17.550	0.100000
22.000	14.850	0.100000
25.000	14.750	0.100000
30.000	15.750	0.100000
36.000	10.350	0.050000
42.000	10.750	0.030000
45.000	10.850	0.030000
51.000	14.950	0.050000
60.000	18.350	0.100000
85.000	19.950	0.030000
110.000	20.250	0.035000

Name: 13A1300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-50.000	20.750	0.150000
-25.000	20.250	0.150000
0.000	20.050	0.150000
13.000	19.650	0.150000
21.000	18.350	0.050000
30.000	15.350	0.050000
36.000	14.350	0.050000
38.000	11.550	0.050000
43.000	11.250	0.050000
48.000	11.150	0.050000
53.000	14.250	0.050000
56.000	14.950	0.150000
65.000	17.250	0.030000
86.000	19.850	0.030000
100.000	20.650	0.030000

Name: 13A1400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	24.250	0.150000
-25.000	23.950	0.150000
0.000	22.850	0.150000
5.000	22.450	0.150000
14.000	19.450	0.035000
20.000	16.150	0.035000
26.000	12.450	0.035000
30.000	11.950	0.035000
34.000	12.250	0.035000
38.000	14.450	0.035000
41.000	18.050	0.035000
53.000	22.050	0.150000
78.000	23.950	0.030000
103.000	25.250	0.030000

Name: 13A1600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	26.050	0.030000
-25.000	24.450	0.030000
0.000	23.250	0.030000
4.000	22.850	0.150000
8.000	21.150	0.150000
15.000	17.150	0.150000
20.000	13.650	0.100000
26.000	12.550	0.100000
31.000	13.150	0.100000
32.000	14.050	0.150000
37.000	17.650	0.150000
44.000	20.350	0.150000
69.000	23.850	0.030000
94.000	26.250	0.030000

Name: 13A1700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.750	0.150000
0.000	25.450	0.150000
25.000	20.350	0.150000
38.000	19.950	0.150000
44.000	15.850	0.050000
47.000	15.150	0.050000
52.000	16.350	0.050000
57.000	16.750	0.050000
59.000	19.350	0.050000
79.000	22.050	0.150000
105.000	25.550	0.150000

Name: 13A1800X Group: 13A

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	28.050	0.030000
0.000	26.050	0.030000
20.000	22.950	0.150000
25.000	21.550	0.150000
31.000	16.450	0.050000
35.000	14.650	0.050000
39.000	15.650	0.050000
50.000	21.450	0.050000
65.000	23.050	0.150000
88.000	26.350	0.150000

Name: 13A1900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	26.950	0.030000
-55.000	24.350	0.030000
-29.000	24.250	0.080000
-22.000	19.650	0.080000
-21.000	18.750	0.080000
-19.000	17.850	0.080000
-18.000	17.950	0.080000
-16.000	19.450	0.080000
-14.000	20.150	0.080000
-13.000	21.650	0.080000
-8.000	22.650	0.080000
-4.000	24.450	0.080000
0.000	25.150	0.080000
25.000	26.050	0.030000
50.000	26.450	0.030000

Name: 13A2100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	27.550	0.150000
-68.000	26.350	0.150000
-43.000	26.350	0.100000
-36.000	24.750	0.100000
-32.000	22.950	0.100000
-28.000	18.850	0.100000
-24.000	18.750	0.100000
-19.000	19.450	0.100000
-16.000	22.950	0.100000
-10.000	22.750	0.100000
0.000	26.750	0.100000
25.000	25.750	0.150000
50.000	25.150	0.150000

Name: 13A2200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	27.350	0.150000
-67.000	26.750	0.150000
-42.000	26.550	0.150000
-35.000	24.850	0.150000
-26.000	23.950	0.150000
-23.000	20.150	0.080000
-18.000	19.150	0.080000
-16.000	20.050	0.080000
-12.000	22.850	0.080000
-10.000	26.350	0.150000
0.000	29.150	0.150000
25.000	29.450	0.150000

Name: 13A2300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-95.000	28.850	0.150000
-66.000	28.350	0.150000
-41.000	28.450	0.150000
-33.000	25.150	0.100000
-26.000	24.250	0.100000
-24.000	20.550	0.100000
-20.000	21.150	0.100000
-13.000	21.450	0.100000
-8.000	25.650	0.100000
0.000	31.350	0.150000
25.000	31.850	0.150000
50.000	32.750	0.150000

Name: 13A2400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.650	0.030000
-75.000	29.850	0.030000
-51.000	29.650	0.100000
-40.000	25.650	0.100000
-35.000	23.150	0.100000
-30.000	22.350	0.100000
-27.000	22.850	0.100000
-23.000	25.950	0.100000
-15.000	27.150	0.150000
0.000	28.550	0.150000
25.000	29.050	0.030000
50.000	30.750	0.030000

Name: 13A2600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	28.050	0.150000
-60.000	28.750	0.150000
-35.000	28.850	0.150000
-25.000	26.550	0.050000
-22.000	23.450	0.050000
-15.000	22.650	0.050000
-11.000	23.150	0.050000
-6.000	29.750	0.050000
0.000	31.550	0.050000
25.000	32.750	0.030000
50.000	32.790	0.013000

Name: 13A2700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	30.150	0.030000
-25.000	29.450	0.030000
0.000	29.150	0.030000
14.000	27.850	0.150000
16.000	23.350	0.080000
21.000	23.550	0.080000
25.000	23.850	0.080000
29.000	27.650	0.080000
33.000	27.250	0.080000
40.000	30.050	0.080000
65.000	30.350	0.035000

Name: 13A2750X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-150.000	31.250	0.150000
-50.000	30.650	0.150000
-25.000	31.750	0.150000
0.000	29.450	0.150000
2.000	29.150	0.035000
4.000	26.250	0.035000
9.000	25.150	0.035000
13.000	25.950	0.035000
20.000	30.450	0.035000
44.000	31.850	0.150000
65.000	29.250	0.100000
74.000	29.250	0.100000
84.000	32.150	0.100000
100.000	32.150	0.150000
200.000	33.250	0.150000

Name: 13A2800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	34.250	0.150000
-60.000	32.250	0.150000
-26.000	33.050	0.150000
-21.000	32.050	0.150000
-18.000	30.850	0.050000
-16.000	28.450	0.050000
-14.000	28.450	0.050000
-12.000	28.450	0.050000
-11.000	30.850	0.050000
-9.000	32.650	0.150000
0.000	32.350	0.150000
25.000	34.750	0.150000
50.000	35.250	0.150000

Name: 13A2900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-140.000	36.950	0.150000
-50.000	35.650	0.150000
-25.000	35.450	0.150000
0.000	35.350	0.150000
5.000	35.150	0.150000
13.000	31.950	0.050000
16.000	31.750	0.050000
18.000	31.950	0.050000
23.000	32.550	0.050000
31.000	35.150	0.050000
112.000	35.450	0.150000

Name: 13A3000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	36.150	0.150000
-28.000	32.950	0.050000
-22.000	32.950	0.050000
-17.000	31.950	0.050000
-11.000	32.350	0.050000
-7.000	35.350	0.050000
-4.000	36.950	0.050000
0.000	37.350	0.150000

Name: 13A3200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-92.000	40.010	0.013000
-67.000	39.450	0.013000
-42.000	39.150	0.035000
-34.000	36.550	0.035000
-27.000	32.950	0.035000
-23.000	32.450	0.035000
-19.000	33.050	0.035000
-10.000	33.850	0.035000
-6.000	35.850	0.035000
0.000	37.950	0.035000

Name: 13A3300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.950	0.035000
-25.000	39.550	0.035000
0.000	38.450	0.035000
2.000	38.350	0.035000
8.000	35.750	0.035000
12.000	34.150	0.035000
19.000	32.950	0.035000
23.000	31.750	0.035000

Name: 13A3400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-62.000	41.750	0.080000
-37.000	40.950	0.080000
-27.000	36.650	0.080000
-17.000	33.250	0.080000
-12.000	34.150	0.035000
-6.000	34.050	0.080000
0.000	36.250	0.110000
25.000	38.850	0.110000
50.000	40.150	0.110000

Name: 13A3600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-102.000	42.050	0.030000
-77.000	51.650	0.030000
-52.000	40.850	0.040000
-45.000	37.950	0.040000
-39.000	33.950	0.045000
-30.000	32.750	0.050000
-24.000	34.150	0.050000
-14.000	37.950	0.050000
-5.000	40.550	0.080000
0.000	41.250	0.080000
25.000	42.450	0.030000
50.000	42.750	0.030000

Name: 13A3700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	43.930	0.030000
0.000	41.650	0.030000
18.000	37.250	0.030000
21.000	37.150	0.030000
29.000	38.250	0.030000
35.000	35.850	0.080000
37.000	34.950	0.080000
40.000	34.750	0.080000

42.000	34.850	0.080000
51.000	39.550	0.110000

Name: 13A3900X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	39.750	0.110000
0.000	39.350	0.080000
8.000	37.850	0.080000
14.000	36.750	0.080000
20.000	36.550	0.080000
28.000	36.450	0.080000
33.000	39.950	0.110000

Name: 13A4000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-218.000	39.920	0.080000
-50.000	39.150	0.080000
-20.000	38.750	0.080000
-19.000	37.150	0.080000
-13.000	37.350	0.035000
-8.000	36.950	0.035000
-4.000	38.050	0.050000
-3.000	37.950	0.080000
0.000	38.850	0.080000
25.000	39.850	0.080000
55.000	39.550	0.080000
81.000	41.250	0.080000
94.000	41.450	0.080000

Name: 13A4100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	40.150	0.110000
-32.000	38.250	0.050000
-24.000	37.450	0.025000
-17.000	37.750	0.050000
-12.000	39.850	0.080000
-7.000	40.150	0.080000
0.000	43.050	0.080000
17.000	43.750	0.080000

Name: 13A4200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	44.350	0.110000
-31.000	42.550	0.080000
-24.000	38.750	0.050000
-21.000	38.650	0.025000
-17.000	38.250	0.050000
-13.000	42.950	0.080000
-7.000	42.950	0.110000
0.000	44.350	0.110000

Name: 13A4300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-108.000	47.250	0.110000
-83.000	45.250	0.110000

-66.000	45.050	0.110000
-57.000	42.250	0.110000
-49.000	41.550	0.110000
-45.000	42.350	0.110000
-40.000	40.750	0.080000
-37.000	39.450	0.080000
-33.000	39.650	0.035000
-30.000	39.050	0.080000
-27.000	41.150	0.080000
-19.000	44.750	0.080000
-8.000	48.350	0.110000
0.000	48.950	0.110000

Name: 13A4400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	47.050	0.110000
0.000	43.850	0.110000
4.000	43.150	0.080000
7.000	40.850	0.080000
14.000	40.250	0.035000
21.000	40.450	0.080000
24.000	42.050	0.110000
32.000	45.750	0.110000

Name: 13A4500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	45.650	0.018000
2.000	45.450	0.018000
3.000	42.950	0.035000
8.000	41.250	0.035000
15.000	40.550	0.035000
19.000	40.950	0.025000
25.000	44.750	0.035000
32.000	46.250	0.018000

Name: 13A4600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	45.350	0.110000
-46.000	45.150	0.110000
-36.000	41.650	0.080000
-24.000	42.850	0.080000
-20.000	39.850	0.080000
-17.000	40.050	0.080000
-12.000	41.050	0.080000
-5.000	42.850	0.110000
-2.000	44.550	0.110000
0.000	44.850	0.110000
25.000	45.250	0.110000
50.000	45.450	0.110000

Name: 13A4700X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-93.000	47.750	0.030000
-68.000	46.950	0.080000
-43.000	46.050	0.080000
-38.000	42.950	0.050000
-30.000	41.850	0.035000
-27.000	41.750	0.035000
-22.000	41.050	0.035000
-18.000	40.850	0.040000
-14.000	44.150	0.045000

-10.000	45.050	0.045000
0.000	46.250	0.040000
25.000	46.850	0.040000
50.000	47.850	0.040000

Name: 13A4800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.060	0.030000
-25.000	48.050	0.030000
0.000	47.850	0.080000
5.000	45.950	0.080000
11.000	42.250	0.080000
18.000	41.850	0.035000
26.000	42.350	0.080000
31.000	45.550	0.080000
36.000	46.750	0.080000
43.000	47.650	0.080000
68.000	47.650	0.080000
93.000	47.550	0.080000

Name: 13A5000X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-55.000	48.150	0.060000
-29.000	47.650	0.050000
-21.000	44.650	0.035000
-19.000	44.250	0.035000
-17.000	43.150	0.035000
-15.000	42.950	0.035000
-10.000	42.350	0.022000
-6.000	42.450	0.080000
-1.000	47.250	0.080000
0.000	48.150	0.080000

Name: 13A5100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.150	0.060000
10.000	47.350	0.035000
16.000	43.650	0.035000
18.000	42.950	0.035000
22.000	42.850	0.022000
26.000	42.550	0.022000
27.000	42.950	0.050000
30.000	47.550	0.080000
37.000	48.850	0.080000
62.000	47.450	0.080000
87.000	46.750	0.080000

Name: 13A5200X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	52.250	0.030000
-25.000	51.550	0.030000
0.000	49.750	0.080000
3.000	48.650	0.080000
6.000	46.650	0.080000
10.000	43.450	0.080000
14.000	42.950	0.022000
18.000	43.950	0.080000
22.000	45.750	0.080000
24.000	47.450	0.080000
34.000	49.850	0.080000

Name: 13A5300X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	51.650	0.016000
-25.000	51.650	0.016000
0.000	51.350	0.080000
5.000	49.550	0.080000
7.000	55.650	0.080000
11.000	43.350	0.080000
14.000	43.850	0.022000
18.000	44.050	0.022000
22.000	50.250	0.035000
28.000	52.550	0.080000
34.000	53.650	0.080000

Name: 13A5400X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	56.450	0.040000
0.000	54.750	0.080000
17.000	50.850	0.080000
20.000	48.850	0.080000
23.000	46.950	0.080000
25.000	44.050	0.035000
29.000	43.850	0.035000
31.000	44.050	0.035000
33.000	45.850	0.035000
35.000	46.050	0.080000
37.000	47.350	0.110000
42.000	51.650	0.110000
50.000	52.450	0.110000

Name: 13A5500X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.050000
-40.000	46.550	0.050000
-33.000	45.050	0.050000
-30.000	44.850	0.035000
-28.000	44.750	0.035000
-23.000	48.350	0.040000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5500X_Aux1 Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-176.000	53.950	0.055000
-126.000	47.950	0.050000
-120.000	49.350	0.050000
-90.000	50.850	0.050000
-70.000	51.050	0.050000
-50.000	51.850	0.050000
-45.000	49.850	0.080000
-40.000	46.550	0.080000
-33.000	45.050	0.035000
-30.000	44.850	0.035000

-28.000	44.750	0.035000
-23.000	48.350	0.035000
-16.000	50.450	0.080000
-11.000	53.350	0.080000
0.000	55.450	0.110000
40.000	56.050	0.040000

Name: 13A5600X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
18.000	53.850	0.080000
23.000	51.050	0.080000
25.000	46.650	0.080000
32.000	46.550	0.080000
33.000	45.350	0.080000
35.000	45.250	0.080000
38.000	45.350	0.080000
40.000	46.450	0.080000
42.000	48.150	0.080000
44.000	50.150	0.080000
69.000	50.650	0.080000
100.000	53.150	0.080000

Name: 13A5800X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	52.950	0.030000
0.000	52.350	0.040000
6.000	50.950	0.040000
12.000	49.150	0.040000
15.000	47.850	0.040000
22.000	47.750	0.040000
25.000	47.050	0.040000
31.000	46.850	0.035000
40.000	47.350	0.040000
42.000	50.250	0.030000
52.000	52.650	0.030000
60.000	52.950	0.030000

Name: 13A6100X Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	53.450	0.030000
-25.000	52.750	0.030000
0.000	51.750	0.030000
1.000	51.550	0.030000
2.000	49.450	0.035000
9.000	47.850	0.035000
14.000	47.050	0.035000
15.000	47.150	0.035000
20.000	48.550	0.035000
26.000	49.650	0.045000
28.000	52.050	0.030000
29.000	52.250	0.030000
55.000	52.850	0.030000
79.000	52.950	0.030000

Name: 13B0100X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-123.000	15.650	0.060000
-114.000	11.550	0.060000
-108.000	9.550	0.060000
-107.000	6.550	0.035000
-104.000	6.150	0.035000

-101.000	6.450	0.035000
-98.000	9.150	0.045000
-67.000	14.050	0.060000
-35.000	15.450	0.060000
0.000	17.300	0.060000

Name: 13B0200X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-179.000	21.250	0.050000
-119.000	19.550	0.050000
-94.000	18.750	0.050000
-69.000	16.050	0.080000
-58.000	14.350	0.080000
-56.000	13.950	0.080000
-52.000	14.850	0.080000
-43.000	14.950	0.080000
-31.000	15.550	0.040000
-19.000	15.550	0.040000
-17.000	17.550	0.040000
0.000	21.250	0.030000
10.000	21.800	0.030000

Name: 13B0400X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	21.650	0.110000
0.000	20.050	0.110000
14.000	16.850	0.110000
24.000	13.550	0.110000
26.000	13.350	0.110000
30.000	13.950	0.110000
38.000	16.750	0.110000
51.000	18.650	0.110000
76.000	21.450	0.110000

Name: 13B0500X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	23.050	0.110000
0.000	20.160	0.110000
12.000	17.850	0.110000
28.000	18.050	0.110000
32.000	15.450	0.110000
34.000	15.450	0.110000
37.000	16.650	0.110000
39.000	18.250	0.110000
49.000	17.550	0.110000
60.000	19.250	0.110000
88.000	21.450	0.110000

Name: 13B0600X Group: 13B
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-125.000	29.150	0.110000
-100.000	28.150	0.110000
-79.000	25.550	0.110000
-68.000	22.650	0.110000
-51.000	22.250	0.080000
-45.000	19.650	0.060000
-42.000	19.650	0.060000
-38.000	20.050	0.060000
-35.000	22.050	0.080000
-21.000	25.950	0.080000
0.000	28.850	0.080000

25.000	30.450	0.045000

Name: 13C-W230 Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	35.980	0.013000
40.000	35.980	0.013000
40.000	35.480	0.013000
50.400	35.480	0.013000
50.400	35.980	0.013000
90.400	35.980	0.013000

Name: 13C0100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.950	0.110000
-50.000	14.950	0.110000
-25.000	13.550	0.110000
0.000	12.150	0.110000
12.000	8.050	0.080000
16.000	7.950	0.080000
19.000	8.250	0.080000
23.000	10.650	0.080000
50.000	10.850	0.110000
75.000	10.750	0.110000
125.000	10.850	0.110000
170.000	13.250	0.110000

Name: 13C0200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	16.290	0.050000
-50.000	13.450	0.110000
-25.000	12.950	0.110000
0.000	12.250	0.110000
5.000	9.550	0.080000
7.000	8.950	0.080000
9.000	9.150	0.080000
16.000	14.250	0.080000
33.000	14.750	0.050000
41.000	14.750	0.050000
66.000	14.950	0.050000
101.000	15.950	0.050000

Name: 13C0300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-47.000	14.750	0.035000
-28.000	13.150	0.080000
-18.000	11.650	0.080000
0.000	13.350	0.080000
3.000	12.950	0.080000
5.000	11.050	0.080000
7.000	10.350	0.080000
9.000	10.050	0.045000
12.000	10.350	0.080000
16.000	13.150	0.080000
41.000	13.850	0.110000
66.000	15.750	0.110000

Name: 13C0500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	15.550	0.110000
-45.000	14.950	0.110000
-20.000	12.950	0.110000
-17.000	12.550	0.050000
-13.000	10.750	0.035000
-10.000	10.450	0.035000
-8.000	11.150	0.035000
-5.000	11.750	0.035000
0.000	12.850	0.060000
25.000	12.850	0.110000
50.000	12.950	0.110000
59.000	14.740	0.050000

Name: 13C0700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	15.850	0.110000
-30.000	15.750	0.110000
0.000	15.450	0.110000
25.000	16.050	0.110000
28.000	14.950	0.080000
30.000	13.550	0.080000
32.000	12.750	0.080000
36.000	13.450	0.080000
42.000	15.850	0.080000

Name: 13C0800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	16.550	0.110000
-25.000	16.150	0.110000
0.000	15.850	0.110000
3.000	15.550	0.110000
7.000	13.750	0.080000
10.000	13.150	0.080000
12.000	13.650	0.080000
16.000	16.450	0.080000
19.000	16.750	0.110000
45.000	16.050	0.110000
74.000	17.550	0.110000

Name: 13C1000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	21.050	0.050000
-25.000	20.050	0.050000
0.000	18.850	0.110000
6.000	18.350	0.110000
8.000	17.650	0.080000
11.000	13.050	0.080000
13.000	12.850	0.080000
19.000	13.650	0.045000
21.000	16.550	0.045000
22.000	16.950	0.080000
47.000	16.750	0.110000
72.000	17.750	0.110000

Name: 13C1100X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	21.950	0.030000
-50.000	20.550	0.110000

-25.000	19.750	0.110000
0.000	19.350	0.110000
5.000	15.850	0.080000
6.000	15.150	0.035000
8.000	15.150	0.080000
15.000	19.350	0.080000
21.000	20.650	0.080000
46.000	20.849	0.110000
71.000	20.850	0.110000
170.000	21.950	0.110000

Name: 13C1200X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.850	0.030000
-18.000	25.050	0.080000
-9.000	24.350	0.080000
0.000	22.550	0.080000
3.000	20.750	0.080000
6.000	20.450	0.035000
7.000	20.550	0.080000
10.000	22.250	0.080000
13.000	23.050	0.080000
33.000	22.750	0.110000
63.000	22.950	0.110000
223.000	23.950	0.110000
262.000	24.950	0.110000
285.000	25.950	0.110000

Name: 13C1300X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	25.550	0.050000
-25.000	25.650	0.050000
0.000	25.550	0.080000
4.000	25.450	0.080000
10.000	23.850	0.050000
14.000	22.650	0.040000
16.000	22.550	0.035000
17.000	22.550	0.040000
22.000	24.350	0.080000
47.000	23.950	0.110000
72.000	24.550	0.110000
78.000	25.950	0.110000
114.000	26.950	0.110000
161.000	27.950	0.110000
186.000	28.950	0.110000

Name: 13C1400X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	27.550	0.030000
-25.000	26.850	0.030000
0.000	26.450	0.080000
17.000	27.350	0.080000
19.000	25.550	0.050000
24.000	25.450	0.035000
28.000	25.550	0.050000
32.000	27.550	0.080000
57.000	27.250	0.110000
82.000	27.450	0.110000
126.000	27.950	0.110000
176.000	28.950	0.110000

Name: 13C1500X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	29.750	0.050000
-25.000	29.450	0.050000
0.000	29.050	0.050000
7.000	28.150	0.050000
10.000	25.750	0.035000
13.000	25.150	0.035000
18.000	26.250	0.035000
22.000	28.450	0.050000
47.000	28.350	0.110000
72.000	29.150	0.110000

Name: 13C1700X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	30.350	0.030000
-50.000	29.650	0.030000
-24.000	29.850	0.060000
-17.000	29.050	0.050000
-11.000	26.350	0.035000
-8.000	26.250	0.035000
-4.000	26.550	0.035000
-2.000	27.450	0.050000
0.000	27.750	0.050000
25.000	28.150	0.110000
50.000	28.850	0.110000
342.000	28.950	0.110000
352.000	31.950	0.110000

Name: 13C1800X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.550	0.080000
16.000	29.050	0.050000
19.000	27.050	0.050000
24.000	26.750	0.035000
31.000	27.350	0.050000
34.000	28.250	0.080000
38.000	28.650	0.110000
60.000	28.650	0.110000
135.000	29.950	0.110000
235.000	30.950	0.110000
435.000	31.950	0.110000

Name: 13C1900X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
9.000	31.750	0.080000
15.000	29.650	0.080000
20.000	28.050	0.080000
26.000	27.450	0.080000
33.000	28.050	0.080000
37.000	29.250	0.080000
62.000	29.450	0.110000
87.000	29.950	0.110000
234.000	31.950	0.110000

Name: 13C2000X Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	34.650	0.030000
-90.000	31.750	0.110000
-63.000	31.150	0.110000
-25.000	30.650	0.110000

-16.000	31.950	0.110000
-11.000	31.350	0.080000
-9.000	30.750	0.080000
-8.000	30.650	0.080000
-7.000	30.750	0.080000
-4.000	31.250	0.080000
0.000	31.750	0.110000
25.000	32.150	0.110000
50.000	31.950	0.110000
110.000	33.950	0.110000

Name: 13D0100X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-46.000	31.750	0.045000
-31.000	29.350	0.045000
-26.000	26.350	0.035000
-21.000	26.250	0.035000
-16.000	26.350	0.035000
-13.000	29.850	0.045000
-7.000	30.950	0.045000
0.000	31.150	0.060000

Name: 13D0200X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-38.000	35.450	0.080000
-33.000	34.050	0.080000
-28.000	32.450	0.080000
-11.000	29.150	0.080000
-9.000	28.950	0.080000
-4.000	29.450	0.080000
0.000	34.350	0.080000

Name: 13D0400X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	39.750	0.030000
-25.000	39.450	0.030000
-21.000	36.750	0.050000
-14.000	34.150	0.035000
-11.000	34.350	0.035000
-8.000	34.150	0.035000
-5.000	36.950	0.040000
0.000	38.150	0.030000
10.000	39.450	0.030000
18.000	39.450	0.030000
25.000	39.450	0.030000

Name: 13D0500X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	42.850	0.030000
-35.000	42.750	0.030000
-30.000	40.750	0.045000
-24.000	37.050	0.045000
-14.000	35.750	0.045000
-8.000	34.650	0.035000
-5.000	34.750	0.035000
-3.000	38.950	0.040000
0.000	41.050	0.030000
20.000	41.750	0.030000

Name: 13D0700X Group: 13D

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	44.050	0.060000
-36.000	43.750	0.050000
-27.000	39.950	0.050000
-21.000	36.650	0.050000
-16.000	36.350	0.050000
-15.000	35.550	0.045000
-12.000	35.350	0.040000
-10.000	35.550	0.045000
-7.000	37.750	0.030000
0.000	43.450	0.030000
6.000	43.850	0.030000
14.000	44.650	0.030000
20.000	44.650	0.030000

Name: 13D0800X Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-35.000	45.450	0.030000
-26.000	45.350	0.030000
-23.000	43.650	0.045000
-19.000	41.950	0.045000
-16.000	41.150	0.045000
-14.000	39.150	0.040000
-11.000	38.750	0.035000
-8.000	38.950	0.045000
-5.000	41.650	0.045000
0.000	45.150	0.030000
15.000	46.050	0.030000

Name: 13F-W041 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.400	49.150	0.013000
7.900	49.150	0.013000
8.150	47.950	0.013000
8.400	49.150	0.013000
10.900	49.150	0.013000
16.300	50.950	0.013000
41.300	50.950	0.035000

Name: 13F-W044 Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	50.950	0.035000
0.000	50.950	0.035000
5.880	48.990	0.013000
9.780	48.990	0.013000
10.880	47.950	0.013000
11.980	48.990	0.013000
15.880	48.990	0.013000
21.760	50.950	0.013000
46.760	50.950	0.035000

Name: 13F0100X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	46.050	0.080000

-25.000	45.350	0.060000
0.000	45.850	0.035000
7.000	45.350	0.035000
15.000	43.950	0.035000
16.000	43.750	0.045000
17.000	44.450	0.035000
26.000	46.250	0.035000
31.000	46.650	0.035000
36.000	49.250	0.035000

Name: 13F0200X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	48.150	0.030000
-25.000	46.990	0.030000
0.000	47.150	0.030000
7.000	46.150	0.030000
14.000	45.250	0.030000
15.000	44.850	0.030000
18.000	44.650	0.030000
20.000	44.650	0.030000
29.000	48.050	0.030000
37.000	50.150	0.030000

Name: 13F0500X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.650	0.110000
5.000	49.650	0.110000
14.000	48.750	0.080000
17.000	47.750	0.080000
20.000	47.150	0.080000
23.000	47.950	0.080000
28.000	50.250	0.080000
53.000	48.250	0.080000
80.000	49.550	0.080000

Name: 13F0800X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	56.050	0.030000
-51.000	55.750	0.030000
-36.000	54.750	0.030000
-26.000	53.350	0.030000
-24.000	53.250	0.030000
-21.000	53.350	0.030000
-14.000	54.150	0.030000
0.000	54.650	0.030000
25.000	54.850	0.030000
65.000	56.050	0.030000

Name: 13F1000X Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	55.850	0.080000
-60.000	55.450	0.080000
-35.000	55.050	0.080000
-26.000	52.750	0.045000
-24.000	52.750	0.045000
-21.000	52.650	0.045000
-15.000	54.350	0.080000
0.000	55.450	0.080000
25.000	55.750	0.080000

Name: 13G0100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	49.650	0.080000
-50.000	48.950	0.080000
-22.000	48.950	0.080000
-16.000	46.250	0.080000
-12.000	43.850	0.080000
-7.000	43.750	0.080000
-2.000	43.850	0.080000
-1.000	44.750	0.080000
0.000	45.450	0.080000
10.000	46.750	0.080000
25.000	47.350	0.030000

Name: 13G0200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.050	0.030000
-50.000	50.650	0.030000
0.000	50.050	0.030000
3.000	48.050	0.050000
6.000	46.450	0.050000
8.000	45.350	0.080000
11.000	45.250	0.080000
13.000	45.350	0.080000
17.000	48.250	0.080000
24.000	51.450	0.080000
50.000	52.050	0.080000

Name: 13G0400X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	48.750	0.030000
-50.000	48.750	0.030000
0.000	48.250	0.030000
2.000	47.450	0.045000
4.000	45.950	0.045000
7.000	44.550	0.045000
10.000	44.350	0.040000
12.000	44.650	0.045000
16.000	47.550	0.045000
18.000	48.650	0.045000
43.000	50.750	0.030000
56.000	51.450	0.030000
75.000	51.650	0.030000

Name: 13G0500X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-34.000	48.150	0.080000
-24.000	47.650	0.080000
-17.000	46.450	0.045000
-11.000	44.750	0.040000
-9.000	44.750	0.040000
-6.000	44.350	0.040000
-2.000	46.750	0.045000
0.000	47.150	0.030000
21.000	49.050	0.030000
50.000	49.250	0.030000
51.000	53.950	0.030000

Name: 13G0550X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.080000
50.000	48.150	0.080000
100.000	48.950	0.080000

Name: 13G0600X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-20.000	49.450	0.050000
-17.000	48.550	0.050000
-14.000	46.450	0.080000
-12.000	45.550	0.080000
-10.000	45.450	0.080000
-7.000	45.450	0.080000
-6.000	46.150	0.080000
-3.000	48.750	0.050000
0.000	49.350	0.050000
25.000	51.450	0.030000
50.000	52.750	0.030000

Name: 13G1000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
35.000	46.950	0.150000
80.000	45.950	0.150000
122.500	45.850	0.150000
165.000	45.950	0.150000
195.000	46.950	0.150000
250.000	47.950	0.150000
275.000	48.950	0.150000

Name: 13G2000X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	50.950	0.035000
18.000	48.950	0.035000
25.000	46.950	0.035000
31.000	43.950	0.035000
44.000	43.950	0.035000
50.000	46.950	0.050000
70.000	48.950	0.150000
100.000	49.950	0.150000

Name: 13G2100X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	49.950	0.035000
60.000	48.950	0.035000
65.000	46.950	0.035000
71.000	43.950	0.035000
74.000	43.950	0.035000
80.000	46.950	0.050000
90.000	48.950	0.150000
120.000	49.950	0.150000

Name: 13G2200X Group: 13G
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	48.950	0.150000
10.000	47.950	0.150000
45.000	46.950	0.150000
82.000	46.850	0.150000
120.000	46.950	0.150000
140.000	48.950	0.150000

Name: 13H0100X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-400.000	53.350	0.030000
-325.000	53.050	0.110000
-300.000	53.150	0.110000
-250.000	53.550	0.110000
-200.000	53.650	0.030000
-148.000	53.550	0.030000
-95.000	53.150	0.030000
-64.000	53.050	0.030000
-44.000	53.250	0.030000
0.000	54.050	0.030000
30.000	55.650	0.050000
61.000	58.550	0.050000

Name: 13H0200X Group: 13H
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	66.350	0.035000
30.000	65.950	0.035000
55.000	64.950	0.035000
75.000	64.850	0.040000
95.000	64.950	0.040000
115.000	65.950	0.035000

Name: 13I0300X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	57.930	0.013000
-36.500	57.670	0.013000
-33.000	57.150	0.080000
-28.000	54.950	0.050000
-23.000	51.450	0.050000
-19.000	50.350	0.050000
-16.000	51.050	0.050000
-10.000	52.650	0.050000
0.000	56.530	0.080000
25.000	56.650	0.040000
50.000	57.550	0.016000

Name: 13I0400X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-32.000	56.950	0.110000
-23.000	52.450	0.080000
-18.000	51.950	0.050000
-15.000	51.650	0.050000
-9.000	52.550	0.050000
-5.000	56.750	0.080000
0.000	58.650	0.080000
15.000	58.670	0.050000

Name: 13I0700X Group: 13I

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-27.000	59.850	0.110000
-17.000	57.850	0.110000
-14.000	56.650	0.080000
-11.000	54.950	0.035000
-8.000	54.450	0.035000
-6.000	55.450	0.035000
-5.000	56.750	0.080000
0.000	58.550	0.080000
25.000	59.750	0.110000
50.000	59.850	0.110000

Name: 13I1000X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-17.000	60.850	0.080000
0.000	59.950	0.080000
2.000	58.750	0.080000
4.000	57.250	0.080000
7.000	56.950	0.080000
10.000	57.250	0.080000
13.000	58.950	0.080000
17.000	60.250	0.080000
22.000	62.250	0.080000

Name: 13I1250X Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-246.000	61.950	0.050000
-126.000	60.950	0.050000
-104.000	59.950	0.050000
-80.000	60.150	0.050000
-62.000	60.250	0.100000
-59.000	57.950	0.080000
-55.000	57.050	0.080000
-53.000	57.250	0.080000
-51.000	59.750	0.080000
0.000	59.850	0.100000
40.000	60.350	0.040000
180.000	62.350	0.040000

Name: 13J0100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	59.950	0.030000
-30.000	58.550	0.030000
-22.000	57.050	0.025000
-19.000	55.450	0.025000
-16.000	54.250	0.025000
-13.000	54.250	0.025000
-10.000	54.250	0.025000
-5.000	55.850	0.025000
-2.000	57.250	0.025000
0.000	57.970	0.030000
20.000	60.550	0.030000
60.000	60.850	0.030000

Name: 13J0310X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-57.000	65.550	0.030000
-4.000	62.850	0.030000
0.000	62.250	0.030000
2.000	62.050	0.025000
4.000	60.750	0.025000
6.000	59.750	0.025000
7.000	58.750	0.025000
10.000	58.750	0.025000
12.000	58.750	0.025000
15.000	60.550	0.025000
19.000	62.250	0.025000
21.000	62.750	0.030000
24.000	64.150	0.030000

Name: 13J0600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	74.950	0.030000
-45.000	74.350	0.030000
-19.000	73.150	0.030000
-16.000	71.850	0.030000
-14.000	69.550	0.022000
-13.000	69.150	0.022000
-11.000	69.150	0.022000
-9.000	70.950	0.045000
-5.000	72.450	0.045000
0.000	74.250	0.110000
10.000	74.950	0.110000
25.000	75.080	0.022000

Name: 13J0640X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	75.650	0.110000
-14.000	75.650	0.110000
0.000	74.950	0.080000
5.000	70.150	0.080000
6.000	69.950	0.080000
9.000	70.250	0.080000
12.000	75.650	0.110000
37.000	75.550	0.110000
62.000	75.650	0.110000

Name: 13J0800X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-19.000	77.050	0.060000
-15.000	75.250	0.060000
-10.000	71.950	0.022000
-8.000	71.850	0.022000
-4.000	71.950	0.022000
0.000	76.550	0.060000
25.000	75.950	0.060000

Name: 13J0900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-60.000	76.250	0.030000
-40.000	75.850	0.110000
-15.000	74.850	0.110000
-13.000	73.650	0.110000
-8.000	72.450	0.080000
-5.000	71.950	0.080000
-2.000	72.550	0.080000
0.000	74.750	0.110000

25.000	74.950	0.110000
50.000	75.350	0.110000

Name: 13J1100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	77.750	0.040000
0.000	76.450	0.040000
5.000	74.050	0.040000
7.000	72.550	0.035000
9.000	71.950	0.035000
12.000	72.450	0.035000
16.000	75.050	0.080000
19.000	77.250	0.080000

Name: 13J1300X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-71.000	77.450	0.045000
-45.000	77.250	0.045000
-19.000	77.350	0.045000
-15.000	75.650	0.045000
-12.000	72.750	0.045000
-9.000	71.750	0.030000
-5.000	72.950	0.045000
-4.000	74.550	0.045000
0.000	76.950	0.045000
25.000	77.250	0.030000
50.000	77.250	0.030000

Name: 13J1400X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	77.950	0.040000
-23.000	77.550	0.045000
-19.000	75.350	0.045000
-15.000	73.050	0.035000
-12.000	72.650	0.035000
-9.000	72.650	0.035000
-5.000	75.350	0.080000
0.000	77.550	0.080000
30.000	78.550	0.080000

Name: 13J1600X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-23.000	78.250	0.045000
-18.000	75.950	0.045000
-15.000	72.750	0.035000
-11.000	71.450	0.035000
-6.000	73.150	0.035000
-4.000	75.850	0.030000
0.000	77.750	0.045000
25.000	78.150	0.030000
50.000	78.250	0.030000

Name: 13J1700X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-72.000	76.350	0.080000

-70.000	74.950	0.080000
-68.000	73.850	0.080000
-64.000	72.850	0.080000
-61.000	73.650	0.080000
-59.000	74.750	0.080000
-55.000	76.550	0.080000
-39.000	77.150	0.080000
-18.000	78.150	0.080000
-14.000	78.150	0.080000
0.000	81.950	0.045000

Name: 13J1900X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-45.000	85.550	0.045000
-25.000	82.150	0.045000
-19.000	79.150	0.045000
-14.000	75.950	0.035000
-10.000	75.050	0.035000
-7.000	76.250	0.035000
-5.000	78.250	0.040000
0.000	81.250	0.040000
25.000	81.750	0.040000
50.000	81.950	0.040000

Name: 13J2100X Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	81.350	0.030000
-15.000	81.250	0.080000
-12.000	79.350	0.080000
-10.000	75.550	0.080000
-8.000	75.350	0.080000
-6.000	75.650	0.080000
-4.000	78.850	0.060000
0.000	81.750	0.060000
50.000	82.350	0.030000

Name: 13K-W170 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	75.510	0.030000
4.400	73.610	0.030000
6.100	73.610	0.013000
6.101	72.000	0.013000
9.500	72.000	0.013000
9.501	73.590	0.013000
12.700	73.590	0.013000
17.100	75.490	0.030000

Name: 13K0100X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-49.000	56.050	0.110000
-24.000	55.650	0.110000
-19.000	54.450	0.110000
-15.000	54.250	0.110000
-12.000	50.750	0.080000
-9.000	50.250	0.080000
-7.000	50.650	0.080000
-5.000	53.450	0.080000
0.000	55.750	0.080000
25.000	56.350	0.030000
50.000	56.450	0.030000

Name: 13K0400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-77.000	61.120	0.030000
-67.000	60.750	0.030000
-60.000	59.450	0.030000
-43.000	57.550	0.030000
-21.000	57.050	0.030000
-20.000	55.850	0.040000
-17.000	55.050	0.040000
-15.000	55.450	0.040000
-13.000	57.350	0.030000
-10.000	57.950	0.030000
-7.000	59.550	0.030000
0.000	61.050	0.030000

Name: 13K1400X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	69.050	0.040000
6.000	66.650	0.040000
10.000	65.350	0.040000
13.000	65.150	0.045000
16.000	65.250	0.040000
20.000	67.150	0.040000
24.000	68.250	0.030000
50.000	68.750	0.030000
75.000	68.950	0.030000

Name: 13K1600X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	76.950	0.040000
-11.000	75.550	0.045000
-8.000	72.450	0.050000
-7.000	72.250	0.050000
-5.000	72.450	0.050000
-4.000	74.250	0.045000
-2.000	76.150	0.040000
0.000	76.350	0.035000
20.000	76.550	0.030000

Name: 13K2000X Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	82.650	0.080000
5.000	80.050	0.080000
7.000	78.350	0.050000
8.000	78.150	0.050000
10.000	78.350	0.050000
14.000	80.550	0.080000
17.000	82.350	0.080000
42.000	82.550	0.080000

Name: 13K_SJ30 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
290.000	77.950	0.150000
310.000	77.900	0.150000
330.000	77.950	0.150000

500.000	78.950	0.150000

Name: 13K_SJ35 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.550	0.150000
320.000	77.950	0.150000

Name: 13K_SJ40 Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	78.950	0.150000
35.000	77.950	0.150000
395.000	77.150	0.150000
550.000	77.950	0.150000

Name: 13L-B09X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-13.000	57.070	0.016000
-13.000	52.550	0.016000
-9.000	51.250	0.025000
-6.000	49.350	0.025000
-4.000	48.450	0.045000
0.000	48.350	0.045000
3.000	48.950	0.045000
6.000	50.350	0.035000
10.000	51.750	0.025000
13.600	52.550	0.025000
13.600	57.020	0.016000

Name: 13L-B15X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-15.000	55.480	0.016000
-15.000	51.950	0.016000
-13.000	52.050	0.033000
-11.000	51.850	0.033000
-9.000	50.750	0.033000
-6.000	49.350	0.033000
-4.500	49.250	0.035000
-2.000	49.250	0.035000
0.000	49.350	0.035000
4.000	49.650	0.035000
6.000	50.650	0.033000
8.000	51.450	0.033000
10.000	51.750	0.033000
12.000	52.230	0.033000
13.300	52.330	0.033000
15.000	52.750	0.033000
15.000	55.440	0.016000

Name: 13L-B18R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	59.000	0.050000
20.000	57.000	0.050000
105.000	56.000	0.050000
140.000	56.000	0.015000
175.000	56.000	0.050000

190.000	57.000	0.050000

Name: 13L-B18X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
127.500	55.250	0.035000
127.500	53.750	0.035000
133.000	52.310	0.035000
133.000	55.250	0.040000
133.450	55.250	0.040000
133.450	52.310	0.040000
137.500	51.250	0.035000
138.780	51.120	0.035000
138.780	55.250	0.040000
139.230	55.250	0.040000
139.230	51.120	0.040000
143.500	50.750	0.035000
144.980	51.290	0.035000
144.980	55.250	0.040000
145.430	55.250	0.040000
145.430	51.290	0.040000
150.500	53.750	0.035000
150.500	55.250	0.035000

Name: 13L-B19R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-83.000	58.950	0.035000
-82.000	57.950	0.035000
-11.000	56.950	0.035000
0.000	55.950	0.013000
12.000	56.550	0.015000
24.000	56.550	0.015000
36.000	55.950	0.015000
47.000	55.950	0.013000
153.000	56.050	0.035000
208.000	56.950	0.035000
473.000	57.850	0.035000

Name: 13L-B19X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	55.600	0.040000
4.000	55.450	0.040000
9.530	54.010	0.045000
9.530	55.600	0.040000
9.980	55.600	0.040000
9.980	54.010	0.040000
14.000	52.950	0.045000
15.280	53.010	0.045000
15.280	55.600	0.040000
15.730	55.600	0.040000
15.730	53.010	0.040000
20.000	53.190	0.045000
21.030	53.590	0.045000
21.030	55.600	0.040000
21.480	55.600	0.040000
21.480	53.590	0.040000
27.000	55.450	0.045000
27.000	55.600	0.045000

Name: 13L-B20R Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-226.000	59.950	0.040000

-225.000	57.950	0.035000
-82.000	56.250	0.035000
-32.000	56.850	0.035000
-11.000	56.820	0.035000
0.000	56.580	0.013000
12.000	57.170	0.015000
18.000	57.130	0.015000
24.000	57.130	0.015000
36.000	56.620	0.015000
47.000	56.660	0.013000
68.000	56.750	0.035000
118.000	57.150	0.035000
154.000	57.950	0.035000

Name: 13L-B20X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
4.000	56.100	0.040000
4.000	55.850	0.040000
9.530	54.390	0.035000
9.530	56.100	0.040000
9.980	56.100	0.040000
9.980	54.390	0.040000
14.000	53.310	0.035000
15.280	53.370	0.035000
15.280	56.100	0.040000
15.730	56.100	0.040000
15.730	53.370	0.040000
20.000	53.550	0.035000
21.030	53.960	0.035000
21.030	56.100	0.040000
21.480	56.100	0.040000
21.480	53.960	0.040000
27.000	56.020	0.035000
27.000	56.120	0.040000

Name: 13L-W082 Group: 13L
Encroachment: No

Revised to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.910	0.035000
4.950	51.810	0.035000
9.900	51.630	0.035000
14.850	51.490	0.035000
19.800	51.430	0.035000
24.750	51.420	0.035000
29.700	51.390	0.035000
34.660	51.350	0.035000
39.610	51.390	0.035000
44.560	51.520	0.035000
49.510	51.670	0.035000
54.460	51.750	0.035000
59.410	51.720	0.035000
64.360	51.610	0.035000
69.310	51.420	0.035000
74.260	51.390	0.035000
79.210	51.400	0.035000
84.160	51.430	0.035000
89.110	51.440	0.035000
94.070	51.460	0.035000
99.020	51.640	0.035000
103.970	51.840	0.035000
108.920	52.070	0.035000
113.870	51.970	0.035000
118.820	51.760	0.035000
123.770	51.580	0.035000
128.720	51.430	0.035000
133.670	51.180	0.035000
137.500	50.880	0.035000
141.320	50.750	0.035000
145.140	50.820	0.035000
150.120	50.990	0.035000
155.090	51.450	0.035000
159.660	51.990	0.035000
164.230	52.010	0.035000
168.800	51.690	0.035000

173.400	51.500	0.035000
178.010	51.570	0.035000
182.620	51.950	0.035000
187.220	52.120	0.035000
191.830	52.100	0.035000
196.430	52.350	0.035000
201.040	52.250	0.035000
205.640	52.460	0.035000
210.250	53.180	0.035000
214.850	53.590	0.035000
219.460	53.800	0.035000
224.160	53.940	0.035000
228.850	54.040	0.035000
233.550	54.090	0.035000
238.250	54.140	0.035000
242.950	54.180	0.035000
247.640	54.260	0.035000

Name: 13L-W190 Group: 13L
Encroachment: No

WINTER PARK DR CONTROL STRUCTURE 13L1900D

Station(ft)	Elevation(ft)	Manning's N
0.000	57.950	0.035000
10.500	54.420	0.035000
26.100	54.420	0.013000
26.110	53.450	0.013000
33.500	53.450	0.013000
33.510	54.450	0.013000
48.500	54.450	0.013000
59.000	57.950	0.035000

Name: 13L-W192 Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.250	0.030000
4.920	58.440	0.030000
9.830	58.580	0.030000
14.750	58.490	0.030000
19.670	58.350	0.030000
24.590	58.220	0.030000
29.500	58.090	0.030000
34.420	57.840	0.080000
39.340	57.400	0.080000
44.260	57.120	0.080000
49.170	57.040	0.080000
54.090	56.820	0.080000
59.010	56.680	0.080000
63.930	56.780	0.080000
68.840	56.920	0.080000
73.760	56.970	0.080000
78.680	57.120	0.080000
83.590	57.340	0.080000
88.510	57.350	0.080000
92.940	57.130	0.080000
97.370	56.910	0.080000
101.790	56.640	0.080000
106.220	56.580	0.080000
110.650	56.890	0.080000
115.080	56.860	0.080000
119.500	56.770	0.080000
123.930	56.690	0.080000
128.850	56.830	0.080000
133.770	57.040	0.080000
138.690	57.240	0.080000
143.610	57.310	0.080000
147.920	57.210	0.080000
152.220	57.130	0.080000
156.530	57.070	0.080000
160.830	57.140	0.080000
165.140	57.310	0.080000
169.440	57.550	0.080000
173.750	57.740	0.080000
178.480	57.840	0.080000
183.220	57.720	0.080000
187.950	57.450	0.080000
192.690	56.940	0.080000

197.430	56.720	0.080000
202.160	56.560	0.080000
206.900	56.530	0.080000
211.630	56.600	0.080000
216.370	56.840	0.080000
221.110	57.350	0.080000
225.840	58.020	0.080000
230.580	58.130	0.080000
235.320	58.240	0.080000
240.050	58.560	0.080000
244.790	58.790	0.080000
249.710	59.050	0.080000
254.630	58.980	0.080000
259.550	58.330	0.080000
264.460	57.780	0.080000
269.380	57.420	0.080000
274.300	57.270	0.080000
279.220	57.440	0.080000
284.140	57.570	0.080000
289.060	57.280	0.080000
293.980	57.030	0.080000
298.900	56.840	0.080000
303.820	56.710	0.080000
308.740	56.460	0.080000
313.650	56.220	0.080000
318.570	56.170	0.080000
323.490	56.110	0.080000
328.410	56.010	0.080000
333.330	56.090	0.080000
338.250	56.300	0.080000
343.170	56.430	0.080000
348.090	56.240	0.080000
352.750	56.090	0.080000
357.410	55.910	0.080000
362.070	55.970	0.080000
366.730	56.160	0.080000
371.390	56.330	0.080000
376.060	56.390	0.080000
380.720	56.480	0.080000
385.380	56.470	0.080000
390.050	56.430	0.080000
394.720	56.380	0.080000
399.390	56.320	0.080000
404.050	56.300	0.080000
408.720	56.290	0.080000
413.390	56.220	0.080000
418.050	56.000	0.080000
423.010	55.960	0.080000
427.970	55.830	0.080000
432.930	55.720	0.080000
437.890	55.630	0.080000
442.860	55.660	0.080000
447.820	55.700	0.080000
452.780	55.790	0.080000
457.140	55.680	0.080000
461.500	55.620	0.080000
465.860	55.610	0.080000
470.220	55.560	0.080000
474.580	55.450	0.080000
478.940	55.330	0.080000
483.310	55.220	0.080000
488.160	55.110	0.080000
493.020	55.040	0.080000
497.880	55.030	0.080000
502.740	55.100	0.080000
507.600	55.110	0.080000
512.460	55.050	0.080000
517.320	55.000	0.080000
522.180	55.040	0.080000
527.040	54.980	0.080000
531.890	54.970	0.080000
536.750	54.990	0.080000
541.610	55.030	0.080000
546.470	55.070	0.080000
551.330	55.070	0.080000
556.190	55.050	0.080000
561.050	55.030	0.080000
565.910	55.000	0.080000
570.760	55.010	0.080000
575.620	55.110	0.080000
580.480	55.310	0.080000
585.450	55.400	0.080000
590.410	55.400	0.080000
595.380	55.440	0.080000
600.340	55.450	0.080000

605.310	55.490	0.080000
610.270	55.600	0.080000
615.240	55.880	0.080000
620.200	55.930	0.080000
625.170	56.040	0.080000
630.040	56.040	0.080000
634.910	56.000	0.080000
639.780	55.860	0.080000
644.650	55.750	0.080000
649.520	55.700	0.080000
654.390	55.650	0.080000
659.260	55.610	0.080000
664.130	55.580	0.080000
669.000	55.580	0.080000
673.860	55.590	0.080000
678.730	55.570	0.080000
683.600	55.540	0.080000
688.470	55.510	0.080000
693.340	55.550	0.080000
698.210	55.710	0.080000
702.990	55.770	0.080000
707.770	55.640	0.080000
712.550	55.480	0.080000
717.320	55.350	0.080000
722.100	55.290	0.080000
726.880	55.340	0.080000
731.660	55.570	0.080000
736.430	55.980	0.080000
741.210	56.030	0.080000
745.990	56.060	0.080000
750.760	56.010	0.080000
755.420	55.870	0.080000
760.080	55.900	0.080000
764.740	56.070	0.080000
769.400	56.090	0.080000
774.060	56.030	0.080000
778.720	56.070	0.080000
783.380	56.140	0.080000
788.030	56.200	0.080000
792.690	56.250	0.080000
797.350	56.350	0.080000
802.010	56.500	0.080000
806.800	56.710	0.080000
811.590	56.880	0.080000
816.370	56.920	0.080000
821.160	56.990	0.080000
825.950	57.080	0.080000
830.740	57.210	0.080000
835.520	57.410	0.080000
840.310	57.480	0.080000
845.100	57.590	0.080000
849.890	57.780	0.080000
854.680	58.120	0.080000
859.460	58.660	0.030000
864.250	59.530	0.030000
869.040	59.740	0.030000
873.830	59.370	0.030000
878.800	59.170	0.030000
883.760	59.280	0.030000
888.730	59.960	0.030000
893.700	60.700	0.030000
898.670	61.160	0.030000

Name: 13L-W196 Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-210.000	57.850	0.035000
0.000	56.950	0.035000
140.000	55.950	0.035000
170.000	55.450	0.072500
200.000	55.950	0.110000
260.000	56.950	0.110000
470.000	57.950	0.110000

Name: 13L-W311 Group: 13L
Encroachment: No

points revised from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	85.500	0.050000
4.470	85.330	0.050000
8.930	85.190	0.050000
13.400	85.300	0.050000
17.860	85.260	0.050000
22.330	85.080	0.050000
26.800	85.000	0.050000
31.770	85.000	0.050000
36.740	84.780	0.050000
41.710	84.590	0.050000
46.690	84.560	0.050000
51.660	84.660	0.050000
56.630	84.890	0.050000
61.500	84.430	0.050000
66.370	84.340	0.050000
71.250	84.460	0.050000
76.120	84.500	0.050000
80.990	84.440	0.050000
85.860	84.220	0.050000
90.800	84.090	0.050000
95.730	84.060	0.050000
100.670	84.120	0.050000
105.600	84.180	0.050000
110.540	84.190	0.050000
115.470	84.300	0.050000
120.410	84.230	0.050000
125.340	84.190	0.050000
130.270	84.080	0.050000
135.190	84.080	0.050000
140.110	84.130	0.050000
145.040	84.220	0.050000
149.960	84.290	0.050000
154.490	84.250	0.050000
159.020	84.290	0.050000
163.550	84.220	0.050000
168.080	84.290	0.050000
172.610	84.360	0.050000
177.140	84.300	0.050000
181.670	84.350	0.050000
186.550	84.170	0.050000
191.430	84.300	0.050000
196.310	84.320	0.050000
201.200	84.200	0.050000
206.080	84.430	0.050000
210.960	84.570	0.050000
215.250	84.460	0.050000
219.530	84.350	0.050000
223.820	84.380	0.050000
228.110	84.480	0.050000
232.400	84.430	0.050000
236.480	84.320	0.050000
240.570	84.410	0.050000
244.650	84.360	0.050000
248.740	84.440	0.050000
252.970	84.620	0.050000
257.200	84.760	0.050000
261.430	84.750	0.050000
265.670	84.650	0.050000
270.200	84.670	0.050000
274.730	84.750	0.050000
279.270	84.950	0.050000
283.800	84.780	0.050000
288.010	84.760	0.050000
292.210	85.110	0.050000
296.420	85.350	0.050000

Name: 13L0100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.150	0.030000
2.000	51.350	0.040000
4.000	49.350	0.040000
11.000	47.050	0.080000
15.000	47.250	0.080000
21.000	47.750	0.040000
24.000	48.450	0.030000
28.000	49.550	0.030000
29.000	50.950	0.030000

35.000	52.650	0.030000

Name: 13L0200X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	54.950	0.030000
3.000	54.350	0.080000
5.000	53.150	0.080000
7.000	52.950	0.080000
9.000	50.750	0.080000
18.000	48.350	0.080000
20.000	48.650	0.045000
24.000	49.650	0.045000
28.000	52.050	0.045000
32.000	54.350	0.040000
57.000	55.050	0.030000

Name: 13L0400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	52.130	0.013000
3.630	52.100	0.013000
4.820	52.080	0.030000
9.640	50.600	0.030000
14.460	49.570	0.030000
19.280	49.460	0.030000
24.100	49.460	0.030000
28.920	49.460	0.030000
33.740	49.460	0.030000
38.560	49.460	0.030000
43.380	49.460	0.030000
48.200	49.460	0.030000
53.020	49.460	0.030000
57.840	49.760	0.030000
62.660	51.340	0.050000
67.480	52.170	0.060000
72.300	52.010	0.060000

Name: 13L0700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.350	0.030000
1.000	51.050	0.040000
3.000	49.650	0.040000
5.000	48.950	0.040000
8.000	47.850	0.035000
13.000	46.550	0.035000
18.000	46.750	0.035000
39.000	48.050	0.035000
46.000	50.450	0.080000
49.000	51.250	0.080000
57.000	51.350	0.080000
72.000	52.750	0.080000

Name: 13L1200X Group: 13L
Encroachment: No

Revision
Added - Golf Cart path seperating Middle and South Triplet Lake

Station(ft)	Elevation(ft)	Manning's N
0.000	52.230	0.030000
4.990	52.180	0.030000
9.980	52.180	0.030000
14.970	52.180	0.030000
19.950	52.040	0.030000
24.940	52.010	0.030000
29.930	52.050	0.030000

34.920	52.040	0.030000
39.910	51.990	0.030000
44.900	51.940	0.030000
49.890	51.970	0.030000
54.870	52.080	0.030000
59.860	52.200	0.030000
84.800	51.830	0.030000
89.790	51.230	0.030000
94.780	50.600	0.030000
99.770	49.980	0.030000
104.760	49.570	0.030000
109.750	49.460	0.030000
114.740	49.460	0.030000
119.720	49.440	0.030000
124.710	49.570	0.030000
129.700	50.200	0.030000
134.690	50.980	0.030000
139.680	51.330	0.030000
144.670	51.500	0.030000
149.660	51.810	0.030000
154.640	52.000	0.030000
159.630	52.060	0.030000
164.620	52.190	0.030000
169.610	52.330	0.030000
174.600	52.530	0.030000
179.590	52.650	0.030000
184.570	52.740	0.030000
189.560	52.830	0.030000
194.550	52.880	0.030000
199.540	53.000	0.030000
204.530	53.120	0.030000
209.520	53.200	0.030000
214.510	53.300	0.030000

Name: 13L1202XW Group: GEE
Encroachment: No

DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	60.490	0.000000
4.600	60.450	0.000000
9.200	60.410	0.000000
13.800	60.320	0.000000
18.400	59.960	0.000000
22.900	60.440	0.000000
26.700	60.470	0.000000
30.600	60.370	0.000000
34.700	60.290	0.000000
38.800	60.320	0.000000
42.900	60.480	0.000000
47.000	60.570	0.000000
52.000	60.690	0.000000
56.900	60.470	0.000000
62.200	60.500	0.000000

Name: 13L1300X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	51.450	0.040000
2.000	51.050	0.045000
5.000	49.550	0.045000
9.000	47.850	0.040000
17.000	47.450	0.040000
20.000	48.350	0.040000
24.000	50.250	0.040000
25.000	51.250	0.040000
31.000	52.250	0.030000

Name: 13L1400X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.590	0.013000

0.200	52.450	0.020000
1.500	51.950	0.020000
4.000	51.550	0.020000
5.000	51.150	0.035000
7.000	49.850	0.035000
9.000	49.150	0.035000
12.000	48.950	0.035000
17.000	49.550	0.035000
19.000	49.950	0.035000
21.000	50.550	0.035000
23.000	51.450	0.035000
25.000	51.950	0.030000
27.000	52.350	0.030000
29.000	52.750	0.030000
30.000	52.850	0.030000
30.200	57.820	0.013000

Name: 13L1600X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.510	0.013000
0.200	51.950	0.030000
2.000	52.050	0.030000
4.000	51.850	0.030000
6.000	50.750	0.030000
9.000	49.350	0.030000
10.500	49.250	0.035000
13.000	49.250	0.035000
15.000	49.350	0.035000
19.000	49.650	0.035000
21.000	50.650	0.030000
23.000	51.450	0.030000
25.000	51.750	0.030000
27.000	52.230	0.030000
28.300	52.330	0.030000
30.000	52.750	0.030000
30.200	57.510	0.013000

Name: 13L1890XW1 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	59.390	0.000000
4.200	59.250	0.000000
8.400	58.900	0.000000
12.600	58.960	0.000000
16.800	59.080	0.000000
20.900	58.970	0.000000
25.100	58.800	0.000000
29.300	58.610	0.000000
33.500	58.420	0.000000
37.700	58.280	0.000000
41.800	57.920	0.000000
46.400	57.640	0.000000
51.000	57.560	0.000000
55.600	57.540	0.000000
60.200	57.510	0.000000
64.800	57.500	0.000000
69.400	57.580	0.000000
74.100	57.540	0.000000
78.700	57.510	0.000000
83.300	57.550	0.000000
87.900	57.460	0.000000
92.500	57.380	0.000000
97.100	57.340	0.000000
101.900	57.300	0.000000
106.800	57.440	0.000000
111.700	57.350	0.000000
116.600	57.290	0.000000
121.500	57.260	0.000000
126.300	57.140	0.000000
131.100	57.120	0.000000
136.000	57.100	0.000000
140.800	57.080	0.000000
145.700	57.030	0.000000
150.500	57.040	0.000000

155.300	57.020	0.000000
160.200	56.950	0.000000
165.000	56.950	0.000000
169.800	57.000	0.000000
174.700	56.930	0.000000
179.500	56.790	0.000000
184.400	56.770	0.000000
189.200	56.690	0.000000
194.100	56.730	0.000000
199.000	56.650	0.000000
203.800	56.690	0.000000
208.700	56.610	0.000000
213.600	56.630	0.000000
218.400	56.640	0.000000
223.300	56.630	0.000000
228.100	56.680	0.000000
233.000	56.650	0.000000
237.900	56.680	0.000000
242.700	56.640	0.000000
247.600	56.560	0.000000
252.400	56.590	0.000000
257.300	56.650	0.000000
262.200	56.600	0.000000
267.000	56.610	0.000000
271.900	56.630	0.000000
276.800	56.620	0.000000
281.600	56.620	0.000000
286.500	56.660	0.000000
291.300	56.660	0.000000
296.000	56.710	0.000000
300.600	56.730	0.000000
305.200	56.750	0.000000
309.800	56.810	0.000000
314.400	56.800	0.000000
319.000	56.870	0.000000
323.600	56.870	0.000000
328.300	56.920	0.000000
332.900	56.930	0.000000
337.500	57.020	0.000000
342.100	57.050	0.000000
346.700	57.110	0.000000
351.600	57.180	0.000000
356.400	57.210	0.000000
361.200	57.440	0.000000
366.000	57.420	0.000000
370.800	57.420	0.000000
375.700	57.570	0.000000
380.500	57.810	0.000000
385.300	57.980	0.000000
393.400	58.100	0.000000

Name: 13L1890XW2 Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	56.410	0.000000
5.000	56.450	0.000000
9.900	56.410	0.000000
14.900	56.420	0.000000
19.800	56.430	0.000000
24.800	56.360	0.000000
29.700	56.340	0.000000
34.300	56.360	0.000000
38.900	56.330	0.000000
43.400	56.290	0.000000
48.000	56.240	0.000000
52.700	56.190	0.000000
57.400	56.090	0.000000
62.200	55.940	0.000000
66.900	55.830	0.000000
71.700	55.750	0.000000
76.400	55.700	0.000000
81.100	55.710	0.000000
85.900	55.670	0.000000
90.600	55.620	0.000000
95.300	55.610	0.000000
100.100	55.630	0.000000
104.800	55.650	0.000000
109.200	55.650	0.000000
113.600	55.560	0.000000
118.000	55.530	0.000000

122.400	55.600	0.000000
126.800	55.630	0.000000
131.200	55.590	0.000000
136.100	55.510	0.000000
140.900	55.380	0.000000
145.800	55.350	0.000000
150.700	55.370	0.000000
155.300	55.440	0.000000
160.000	55.750	0.000000
164.600	56.610	0.000000
169.600	58.300	0.000000
174.500	59.990	0.000000
178.900	60.730	0.000000

Name: 13L1945X Group: 13L
Encroachment: No

Revision
xsec points estimated from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	58.870	0.030000
4.690	58.790	0.030000
9.380	58.680	0.030000
14.070	58.640	0.030000
18.760	58.660	0.030000
23.450	58.650	0.030000
28.140	58.630	0.030000
32.830	58.650	0.030000
37.510	58.660	0.030000
41.930	58.670	0.030000
46.350	58.710	0.030000
50.770	58.720	0.030000
55.180	58.740	0.030000
59.600	58.680	0.030000
64.020	58.660	0.030000
68.430	58.600	0.030000
73.140	58.590	0.030000
77.840	58.630	0.030000
82.540	58.690	0.030000
87.250	58.720	0.030000
91.950	58.760	0.030000
96.650	58.780	0.030000
101.360	58.790	0.030000
106.060	58.790	0.030000
110.760	58.800	0.030000
115.470	58.810	0.030000
120.170	58.840	0.030000

Name: 13L2300X Group: BASE
Encroachment: No

FROM DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	68.690	0.000000
5.000	68.660	0.000000
9.900	68.620	0.000000
14.900	68.580	0.000000
19.900	68.540	0.000000
24.800	68.460	0.000000
29.800	68.190	0.000000
34.800	67.980	0.000000
39.700	67.790	0.000000
44.700	67.590	0.000000
49.700	67.430	0.000000
54.400	67.330	0.000000
59.200	67.260	0.000000
63.900	67.350	0.000000
68.700	67.540	0.000000
73.500	67.750	0.000000
78.300	67.920	0.000000
83.100	67.890	0.000000
87.800	67.880	0.000000
92.600	67.870	0.000000
97.400	67.900	0.000000
97.800	67.890	0.000000

Name: 13L2400XW Group: 13L
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	72.770	0.000000
4.700	72.620	0.000000
9.400	71.980	0.000000
14.100	71.830	0.000000
18.900	71.980	0.000000
23.600	72.070	0.000000
28.300	71.980	0.000000
33.000	71.890	0.000000
37.700	72.000	0.000000
42.400	72.100	0.000000
46.800	72.420	0.000000

Name: 13L2700X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-36.000	75.950	0.030000
-32.000	75.450	0.030000
-27.000	74.150	0.030000
-21.000	71.580	0.040000
-18.000	69.750	0.040000
-16.000	69.390	0.040000
-12.000	69.470	0.040000
-9.000	71.550	0.040000
0.000	74.850	0.030000
25.000	74.950	0.030000

Name: 13L2800X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-57.000	79.650	0.030000
-32.000	78.850	0.030000
-28.000	78.250	0.040000
-24.000	75.750	0.045000
-20.000	71.750	0.045000
-13.000	70.550	0.080000
-7.000	71.750	0.045000
-5.000	74.650	0.045000
-1.000	77.750	0.030000
0.000	77.750	0.030000

Name: 13L3000X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	80.280	0.030000
-35.000	80.050	0.030000
-28.000	75.850	0.045000
-24.000	72.850	0.045000
-18.000	72.450	0.040000
-12.000	73.050	0.045000
-9.000	75.550	0.045000
-4.000	79.150	0.030000
0.000	79.850	0.030000

Name: 13L3100X Group: 13L
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-40.000	81.290	0.040000
-32.000	81.250	0.045000
-26.000	78.450	0.045000
-20.000	73.350	0.045000

-17.000	72.750	0.045000
-12.000	73.250	0.045000
-10.000	76.850	0.045000
-5.000	79.650	0.030000
0.000	80.750	0.030000

Name: 13M0300X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-44.000	54.350	0.030000
-40.000	53.350	0.030000
-36.000	49.650	0.035000
-19.000	48.650	0.045000
-11.000	53.550	0.050000
0.000	54.650	0.050000
25.000	54.750	0.030000

Name: 13M0400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	53.950	0.050000
10.000	51.950	0.050000
12.000	49.750	0.035000
16.000	47.950	0.035000
60.000	51.950	0.035000
70.000	52.950	0.050000
80.000	53.950	0.050000

Name: 13M0500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-66.000	54.250	0.030000
-41.000	53.050	0.030000
-35.000	49.550	0.050000
-32.000	47.750	0.050000
-29.000	46.150	0.050000
-22.000	46.250	0.050000
-15.000	46.250	0.050000
-9.000	49.650	0.050000
-5.000	52.050	0.050000
0.000	53.650	0.030000
25.000	53.350	0.030000
50.000	54.750	0.030000

Name: 13M0700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	55.250	0.030000
0.000	54.550	0.030000
3.000	54.250	0.030000
7.000	52.550	0.040000
9.000	50.750	0.040000
13.000	50.550	0.035000
19.000	50.750	0.040000
21.000	53.050	0.050000
23.000	53.750	0.080000

Name: 13M1100X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

0.000	58.950	0.030000
3.000	58.950	0.030000
10.000	56.250	0.030000
18.000	55.350	0.045000
26.000	53.150	0.080000
28.000	52.750	0.080000
30.000	53.550	0.080000
33.000	54.950	0.080000
40.000	56.050	0.080000
42.000	56.350	0.080000

Name: 13M1200X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	58.150	0.030000
17.000	56.350	0.030000
23.000	55.350	0.040000
28.000	54.350	0.045000
31.000	53.750	0.045000
35.000	54.150	0.045000
39.000	54.550	0.045000
43.000	55.950	0.045000
46.000	56.850	0.045000

Name: 13M1400X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-5.000	59.050	0.030000
0.000	58.050	0.030000
19.000	56.850	0.045000
25.000	55.950	0.045000
30.000	54.850	0.045000
33.000	54.150	0.045000
36.000	54.850	0.045000
41.000	56.750	0.045000
45.000	58.050	0.045000

Name: 13M1400XW Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	58.390	0.000000
5.000	58.430	0.000000
9.900	57.710	0.000000
14.900	56.560	0.000000
19.800	56.150	0.000000
24.800	56.510	0.000000
29.800	57.730	0.000000
34.700	58.760	0.000000

Name: 13M1500X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-41.000	61.750	0.030000
-28.000	59.050	0.030000
-14.000	55.050	0.040000
-11.000	55.450	0.080000
-8.000	55.050	0.080000
-5.000	57.150	0.080000
0.000	58.650	0.080000

Name: 13M1700X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	61.250	0.030000
-25.000	60.150	0.030000
0.000	59.750	0.080000
3.000	58.350	0.080000
5.000	56.650	0.080000
8.000	55.550	0.035000
25.000	56.750	0.040000
27.000	55.650	0.040000
29.000	59.250	0.030000
55.000	60.050	0.030000

Name: 13M2331X Group: 13M
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	74.740	0.030000
3.710	74.630	0.030000
7.420	74.540	0.030000
11.130	74.370	0.030000
14.580	73.840	0.030000
18.020	73.220	0.030000
21.460	73.330	0.030000
25.300	74.060	0.030000
29.150	74.510	0.030000
32.340	74.490	0.030000
35.540	74.520	0.030000

Name: 13M2331XW2 Group: 13M
Encroachment: No

Cross section from DEM

Station(ft)	Elevation(ft)	Manning's N
0.000	73.590	0.000000
4.700	73.440	0.000000
9.400	73.370	0.000000
14.100	73.310	0.000000
18.800	73.290	0.000000
23.500	73.280	0.000000
28.200	73.190	0.000000
32.800	73.230	0.000000
37.500	73.080	0.000000
42.200	73.150	0.000000
46.900	73.240	0.000000
51.600	73.220	0.000000
56.300	73.180	0.000000
61.000	73.190	0.000000
65.700	73.220	0.000000
70.400	73.250	0.000000
75.100	73.240	0.000000
79.800	73.160	0.000000
84.500	73.050	0.000000
89.300	72.990	0.000000
94.000	72.920	0.000000
98.700	72.880	0.000000
103.400	72.820	0.000000
108.200	72.780	0.000000
112.900	72.600	0.000000
117.600	72.450	0.000000
122.300	72.290	0.000000
127.100	72.100	0.000000
131.800	71.840	0.000000
136.500	71.500	0.000000
141.200	71.250	0.000000
146.100	71.070	0.000000
151.000	70.950	0.000000
155.900	70.830	0.000000
160.700	70.660	0.000000
165.600	70.460	0.000000
170.500	70.360	0.000000
175.300	70.340	0.000000
180.200	70.240	0.000000
185.100	70.190	0.000000
189.900	70.190	0.000000
194.800	69.960	0.000000
199.700	69.910	0.000000

204.500	69.950	0.000000
209.400	69.930	0.000000
214.300	69.920	0.000000
219.100	69.960	0.000000
224.000	70.030	0.000000
228.900	70.150	0.000000
233.700	70.270	0.000000
238.600	70.370	0.000000
243.500	70.370	0.000000
248.300	70.460	0.000000
253.200	70.440	0.000000
258.100	70.420	0.000000
262.900	70.430	0.000000
267.700	70.400	0.000000
272.400	70.390	0.000000
277.100	70.400	0.000000
281.800	70.410	0.000000
286.500	70.420	0.000000
291.200	70.390	0.000000
295.900	70.400	0.000000
300.100	70.300	0.000000
304.300	70.220	0.000000
308.500	70.170	0.000000
312.700	70.200	0.000000
316.900	70.170	0.000000
321.100	70.180	0.000000
326.000	70.140	0.000000
330.800	70.080	0.000000
335.600	70.010	0.000000
340.500	69.920	0.000000
345.300	69.960	0.000000
350.100	69.990	0.000000
354.900	69.950	0.000000
359.700	69.910	0.000000
364.500	69.770	0.000000
369.300	69.630	0.000000
374.100	69.600	0.000000
378.900	69.590	0.000000
383.700	69.530	0.000000
388.500	69.480	0.000000
393.300	69.450	0.000000
398.100	69.400	0.000000
402.900	69.410	0.000000
407.700	69.410	0.000000
412.500	69.400	0.000000
417.300	69.320	0.000000
422.100	69.280	0.000000
426.900	69.270	0.000000
431.700	69.240	0.000000
436.500	69.200	0.000000
441.300	69.130	0.000000
446.100	69.080	0.000000
450.900	69.060	0.000000
455.700	69.050	0.000000
460.500	69.050	0.000000
465.300	69.120	0.000000
470.100	69.130	0.000000
474.900	69.080	0.000000
479.700	69.080	0.000000
484.500	69.100	0.000000
489.300	69.120	0.000000
494.100	69.150	0.000000
498.800	69.100	0.000000
503.500	68.920	0.000000
508.200	68.710	0.000000
512.900	68.660	0.000000
517.600	68.540	0.000000
522.300	68.430	0.000000
527.000	68.330	0.000000
531.700	68.190	0.000000
536.400	68.110	0.000000
541.100	68.010	0.000000
545.800	67.980	0.000000
552.300	67.820	0.000000

Name: 13M2334X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	72.950	0.035000
15.000	71.950	0.035000

60.000	70.950	0.035000
100.000	69.950	0.035000
107.500	69.350	0.035000
115.000	69.950	0.035000
130.000	72.950	0.035000

Name: 13M2340X Group: 13M
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	73.950	0.035000
15.000	72.950	0.035000
25.000	71.950	0.035000
65.000	70.950	0.035000
70.000	69.950	0.035000
85.000	69.950	0.035000
105.000	70.950	0.035000
125.000	71.950	0.035000
145.000	73.950	0.035000

Name: 13N0100X Group: 13N
Encroachment: No

Revised points to match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	51.480	0.050000
4.990	51.340	0.050000
9.980	51.210	0.050000
14.970	51.130	0.050000
19.960	51.090	0.050000
24.950	51.090	0.050000
29.940	51.120	0.050000
34.930	51.390	0.050000
39.920	51.770	0.050000
44.910	50.630	0.035000
49.900	49.490	0.035000
54.890	49.420	0.035000
59.870	49.640	0.035000
64.860	50.780	0.035000
69.850	51.600	0.035000
74.840	51.820	0.050000
79.830	51.820	0.050000
84.820	51.740	0.050000
89.810	51.560	0.050000
94.800	51.470	0.050000
99.790	51.530	0.050000
104.780	51.480	0.050000
105.870	51.450	0.050000

Name: 13N0200X Group: 13N
Encroachment: No

xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.630	0.030000
4.910	56.630	0.030000
9.820	56.620	0.030000
14.730	56.560	0.030000
19.640	56.520	0.030000
24.550	56.500	0.030000
29.460	56.470	0.030000
34.370	56.450	0.030000
39.280	56.400	0.030000
44.190	56.360	0.030000
48.910	56.290	0.030000
53.630	56.250	0.030000
58.350	56.180	0.030000
63.070	56.140	0.030000
67.780	56.080	0.030000
72.500	56.020	0.030000
77.220	56.030	0.030000
81.940	55.960	0.030000
86.650	55.960	0.030000
91.370	55.930	0.030000
96.090	55.920	0.030000

100.810	55.880	0.030000
105.520	55.850	0.030000
110.240	55.870	0.030000
114.960	55.870	0.030000
119.630	55.890	0.030000
124.290	55.870	0.030000
128.960	55.880	0.030000
133.620	55.900	0.030000
138.290	56.010	0.030000
142.950	56.100	0.030000
147.620	56.090	0.030000
152.310	56.230	0.030000
157.010	56.300	0.030000
161.700	56.300	0.030000
161.960	56.310	0.030000

Name: 13N0300X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	54.750	0.060000
0.000	54.250	0.040000
4.000	51.950	0.040000
7.000	49.850	0.035000
9.000	49.850	0.035000
12.000	49.850	0.035000
15.000	51.250	0.050000
23.000	55.750	0.050000
34.000	54.150	0.110000

Name: 13N0350X Group: 13N
Encroachment: No

ELEVATIONS FROM LIDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	57.120	0.030000
4.960	56.960	0.030000
9.920	56.920	0.030000
14.880	56.860	0.030000
19.840	56.790	0.030000
24.810	56.770	0.030000
29.770	56.760	0.030000
34.730	56.700	0.030000
39.690	56.670	0.030000
44.650	56.630	0.030000
49.610	56.610	0.030000
54.570	56.570	0.030000
59.530	56.520	0.030000
64.490	56.480	0.030000
69.460	56.430	0.030000
74.420	56.460	0.030000
79.380	56.430	0.030000
83.550	56.410	0.030000
87.730	56.390	0.030000
91.900	56.500	0.030000
96.070	56.590	0.030000

Name: 13N0400X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	57.050	0.030000
0.000	56.350	0.030000
5.000	55.350	0.045000
9.000	54.050	0.045000
11.000	51.850	0.040000
16.000	51.850	0.040000
19.000	51.950	0.040000
22.000	54.050	0.045000
28.000	55.150	0.050000

Name: 13N0500X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	59.200	0.030000
4.980	59.020	0.030000
9.960	58.890	0.030000
14.940	58.860	0.030000
19.920	58.900	0.030000
24.900	58.980	0.030000
29.880	58.920	0.030000
34.860	58.760	0.030000
39.840	58.770	0.030000
44.820	58.730	0.030000
49.800	58.650	0.030000
54.780	58.640	0.030000
59.760	58.650	0.030000
64.740	58.700	0.030000
69.720	58.780	0.030000
74.700	58.790	0.030000
79.680	58.760	0.030000
84.660	58.740	0.030000
89.640	58.740	0.030000
94.620	58.780	0.030000
99.600	58.960	0.030000
104.580	59.090	0.030000
109.560	59.110	0.030000
114.540	59.120	0.030000
119.520	59.130	0.030000
124.500	59.190	0.030000
129.480	59.180	0.030000
134.460	59.340	0.030000

Name: 13N0600X Group: 13N
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-75.000	57.250	0.030000
-50.000	57.250	0.030000
-23.000	55.650	0.050000
-19.000	55.450	0.050000
-17.000	53.850	0.050000
-15.000	52.250	0.050000
-10.000	51.950	0.050000
-6.000	52.850	0.050000
-3.000	53.950	0.050000
0.000	55.250	0.050000
65.000	55.950	0.030000

Name: 13N0700X Group: 13N
Encroachment: No

Elevations from LiDAR

Station(ft)	Elevation(ft)	Manning's N
0.000	56.257	0.060000
4.936	56.197	0.060000
9.872	55.777	0.060000
14.807	55.656	0.060000
19.743	55.518	0.060000
24.679	55.320	0.060000
29.615	55.211	0.060000
34.551	55.332	0.060000
39.486	55.285	0.060000
44.422	55.159	0.060000
49.358	55.113	0.060000
54.294	55.164	0.060000
59.230	55.243	0.060000
64.165	55.084	0.060000
69.101	54.966	0.060000
74.037	54.991	0.060000
78.973	55.279	0.060000
83.909	55.376	0.060000
88.844	55.074	0.060000
93.780	54.561	0.060000
98.716	54.213	0.060000
103.652	54.687	0.060000
108.227	54.423	0.060000

112.803	54.072	0.060000
117.379	53.884	0.060000
121.954	53.903	0.060000
126.530	54.060	0.060000
131.106	54.345	0.060000
135.681	54.549	0.060000
140.257	54.677	0.060000
144.833	54.530	0.060000
149.408	54.681	0.060000
153.984	54.617	0.060000
158.541	54.605	0.060000
163.098	54.702	0.060000
167.655	54.479	0.060000
172.212	54.368	0.060000
176.769	54.404	0.060000
181.327	54.723	0.060000
185.884	55.134	0.060000
190.441	55.605	0.060000
194.998	55.082	0.060000
199.555	54.765	0.060000
204.520	54.566	0.060000
209.485	54.639	0.060000
214.450	54.846	0.060000
219.415	55.070	0.060000
224.380	55.228	0.060000
229.345	55.655	0.060000
234.311	56.085	0.060000
239.276	56.267	0.060000
244.241	56.361	0.060000
248.992	56.499	0.060000

Name: 13P-W175 Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	80.350	0.035000
5.000	78.890	0.035000
5.000	79.990	0.013000
7.500	79.990	0.013000
8.500	76.490	0.013000
13.500	76.490	0.013000
14.500	79.990	0.013000
17.000	79.990	0.013000
17.000	78.230	0.013000
25.400	80.850	0.035000

Name: 13P0100X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-80.000	56.050	0.030000
-54.000	55.350	0.030000
-29.000	54.150	0.030000
-23.000	53.250	0.050000
-20.000	51.650	0.050000
-17.000	50.550	0.050000
-14.000	50.350	0.050000
-10.000	50.450	0.050000
-8.000	51.150	0.050000
-6.000	52.350	0.050000
0.000	53.050	0.030000

Name: 13P0200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	57.850	0.030000
11.000	57.250	0.040000
14.000	55.550	0.040000
16.000	54.050	0.040000
18.000	53.950	0.040000
19.000	54.050	0.045000
21.000	54.350	0.045000

25.000	55.950	0.045000
29.000	57.350	0.045000

Name: 13P0400X Group: 13P
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	62.010	0.030000
4.260	62.110	0.030000
8.510	62.330	0.030000
12.770	62.490	0.030000
17.030	62.410	0.030000
21.400	62.130	0.030000
25.770	60.660	0.045000
30.150	58.800	0.045000
34.520	58.570	0.045000
38.900	59.780	0.045000
43.270	60.950	0.045000
48.120	61.430	0.045000
52.960	61.460	0.030000
57.810	61.160	0.030000
62.650	61.120	0.030000
67.500	61.250	0.030000
71.900	61.450	0.030000
76.300	61.680	0.030000
80.690	61.840	0.030000
85.090	62.040	0.030000
89.490	62.310	0.030000
93.890	62.640	0.030000

Name: 13P0450TMX Group: 13P
Encroachment: No

Revision
xsecs points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.650	0.030000
4.880	55.410	0.030000
9.760	55.090	0.030000
14.640	54.860	0.030000
19.520	54.680	0.030000
24.400	54.550	0.030000
29.270	54.400	0.030000
34.150	54.090	0.030000
39.030	53.550	0.060000
43.910	52.120	0.060000
48.790	51.880	0.060000
53.670	51.750	0.060000
58.550	52.940	0.060000
63.430	53.370	0.060000
68.310	53.080	0.060000
73.190	52.960	0.040000
78.070	53.260	0.040000
82.950	53.570	0.040000
87.820	53.740	0.040000
92.700	53.620	0.040000
95.340	53.540	0.030000
97.980	53.460	0.030000

Name: 13P0450X Group: 13P
Encroachment: No

Revision
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	55.940	0.030000
4.630	55.600	0.030000
9.270	55.560	0.030000
13.900	55.000	0.040000
18.540	53.510	0.050000
23.170	53.950	0.050000
27.810	55.150	0.050000
32.440	55.290	0.040000
37.080	55.250	0.030000

41.710	55.240	0.030000
46.340	55.120	0.030000
50.980	55.020	0.030000

Name: 13P0500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-85.000	65.250	0.030000
-30.000	62.050	0.030000
0.000	60.050	0.030000
15.000	59.850	0.110000
100.000	59.650	0.110000
150.000	60.450	0.110000
190.000	59.850	0.110000
223.000	60.050	0.110000
233.000	62.650	0.110000
240.000	65.150	0.110000
270.000	66.150	0.110000
287.000	63.550	0.110000
322.000	65.650	0.110000
337.000	67.150	0.030000

Name: 13P0600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-86.000	65.150	0.030000
-66.000	63.950	0.035000
-41.000	62.350	0.035000
-16.000	63.750	0.080000
-11.000	62.750	0.080000
-6.000	61.650	0.080000
-5.000	61.450	0.080000
-2.000	61.150	0.080000
0.000	63.250	0.080000
25.000	64.450	0.035000
50.000	66.850	0.035000

Name: 13P0860X Group: 13P
Encroachment: No

Added
xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	72.580	0.030000
4.830	71.990	0.030000
9.660	71.400	0.030000
14.490	71.000	0.030000
19.330	70.560	0.030000
24.160	69.530	0.030000
28.990	68.190	0.060000
33.820	66.760	0.060000
38.650	65.340	0.060000
43.480	67.190	0.060000
48.310	70.270	0.060000
53.140	71.290	0.030000
57.980	71.300	0.030000
62.810	71.360	0.030000
67.640	71.390	0.030000
72.470	71.490	0.030000

Name: 13P0900X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	70.650	0.030000
-25.000	70.050	0.030000
0.000	69.450	0.030000
4.000	68.850	0.030000

6.000	68.450	0.030000
8.000	68.450	0.030000
10.000	69.350	0.030000
11.000	69.850	0.030000
16.000	70.750	0.030000
40.000	71.750	0.030000
66.000	72.150	0.030000

Name: 13P1000X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-70.000	71.950	0.110000
-45.000	69.950	0.110000
-19.000	71.450	0.080000
-15.000	70.450	0.080000
-9.000	69.350	0.080000
-7.000	69.450	0.080000
-3.000	69.650	0.045000
-2.000	70.750	0.045000
0.000	71.250	0.040000
25.000	71.350	0.030000
50.000	72.250	0.030000

Name: 13P1200X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-31.000	75.250	0.110000
-18.000	74.750	0.040000
-14.000	73.350	0.040000
-11.000	71.950	0.040000
-8.000	71.850	0.040000
-5.000	73.250	0.040000
0.000	74.750	0.030000

Name: 13P1300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-4.000	77.150	0.040000
0.000	76.450	0.040000
4.000	75.550	0.040000
8.000	72.450	0.040000
13.000	75.250	0.040000
18.000	77.050	0.040000
33.000	77.550	0.030000
54.000	79.250	0.030000

Name: 13P1400X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-24.000	78.450	0.080000
-18.000	76.350	0.040000
-14.000	74.450	0.035000
-12.000	74.150	0.035000
-10.000	74.550	0.035000
-7.000	75.650	0.035000
0.000	78.150	0.030000

Name: 13P1600X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N

-70.000	80.910	0.030000
-45.000	80.550	0.030000
-20.000	78.950	0.040000
-16.000	77.300	0.040000
-13.000	75.280	0.040000
-9.000	75.280	0.040000
-5.000	77.900	0.030000
0.000	79.350	0.030000
25.000	80.050	0.030000
50.000	80.350	0.030000

Name: 13P1700X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	80.850	0.035000
-16.600	77.740	0.035000
-13.500	75.780	0.040000
-11.600	75.770	0.040000
-9.600	75.770	0.040000
-5.000	78.620	0.035000
0.000	80.350	0.030000
25.000	80.850	0.030000
50.000	80.950	0.030000

Name: 13P1815DSX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	78.000	0.050000
3.900	77.000	0.050000
14.600	77.000	0.050000
16.000	78.000	0.050000
17.300	79.000	0.050000
18.600	80.000	0.050000
21.600	81.000	0.050000

Name: 13P1815USX Group: 13P
Encroachment: No

07/22/16:
from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

Station(ft)	Elevation(ft)	Manning's N
0.000	79.000	0.050000
3.200	78.000	0.050000
15.000	78.000	0.050000
16.700	79.000	0.050000
18.300	80.000	0.050000
21.600	81.000	0.050000

Name: 13P2020X Group: 13P
Encroachment: No

points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	89.790	0.030000
4.950	89.730	0.030000
9.900	89.760	0.030000
14.840	89.630	0.030000
19.790	89.690	0.030000
24.740	89.590	0.030000
29.690	89.630	0.030000
34.630	89.570	0.030000
39.580	89.590	0.030000
44.530	89.610	0.030000
49.480	89.530	0.030000
54.420	89.600	0.030000
59.370	89.550	0.030000

64.320	89.610	0.030000
69.270	89.520	0.030000
74.210	89.570	0.030000
79.160	89.560	0.030000
84.110	89.570	0.030000
89.060	89.550	0.030000
94.000	89.530	0.030000
98.950	89.580	0.030000
103.880	89.530	0.030000
108.800	89.590	0.030000
113.720	89.470	0.030000
118.650	89.440	0.030000
123.570	89.560	0.030000
128.500	89.430	0.030000
133.420	89.400	0.030000
138.350	89.360	0.030000
143.270	89.320	0.030000
148.200	89.500	0.030000
153.120	89.380	0.030000
158.050	89.410	0.030000
162.970	89.440	0.030000
167.900	89.430	0.030000
172.820	89.450	0.030000
177.750	89.430	0.030000
182.670	89.380	0.030000
187.600	89.450	0.030000
192.520	89.410	0.030000
197.440	89.400	0.030000
202.370	89.390	0.030000
207.290	89.390	0.030000
212.220	89.400	0.030000
217.160	89.380	0.030000
222.100	89.370	0.030000
227.040	89.410	0.030000
231.980	89.410	0.030000
236.920	89.420	0.030000
241.860	89.410	0.030000
246.800	89.440	0.030000
251.740	89.450	0.030000
256.680	89.440	0.030000
261.620	89.400	0.030000
266.560	89.420	0.030000
271.500	89.480	0.030000
276.440	89.600	0.030000
281.380	89.590	0.030000
286.320	89.570	0.030000
291.260	89.650	0.030000
296.190	89.640	0.030000
301.130	89.650	0.030000
306.070	89.650	0.030000
311.010	89.510	0.030000
315.950	89.370	0.030000
320.860	89.260	0.030000
325.770	89.300	0.030000
330.680	89.350	0.030000
335.590	89.360	0.030000
340.500	89.380	0.030000
345.410	89.390	0.030000
350.320	89.360	0.030000
355.230	89.280	0.030000
360.130	89.420	0.030000
365.040	89.520	0.030000
369.950	89.750	0.030000
374.860	90.080	0.030000

Name: 13P2100X Group: 13P
Encroachment: No

Added
points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.680	0.013000
4.890	88.680	0.013000
9.790	88.600	0.013000
14.680	88.560	0.013000
19.570	88.570	0.013000
24.460	88.590	0.013000
29.360	88.560	0.013000
34.250	88.590	0.013000
39.140	88.620	0.013000
44.040	88.660	0.013000
48.930	88.600	0.013000

53.820	88.580	0.013000
58.710	88.590	0.013000
63.610	88.500	0.013000
68.500	88.450	0.013000
73.390	88.490	0.013000
78.290	88.520	0.013000
83.180	88.480	0.013000
88.070	88.470	0.013000
92.960	88.520	0.013000
97.860	88.510	0.013000
102.750	88.520	0.013000
107.640	88.610	0.013000
112.540	88.600	0.013000
117.430	88.600	0.013000
122.320	88.610	0.013000
127.220	88.650	0.013000
132.110	88.650	0.013000

Name: 13P2200X Group: 13P
Encroachment: No

Revision
Updated xsec points from LiDar

Station(ft)	Elevation(ft)	Manning's N
0.000	88.390	0.060000
4.960	88.220	0.060000
9.930	88.210	0.060000
14.890	88.090	0.060000
19.860	88.100	0.060000
24.820	88.070	0.060000
29.790	88.020	0.060000
34.750	87.930	0.060000
39.720	87.710	0.080000
44.680	87.400	0.080000
49.650	87.470	0.080000
54.610	87.770	0.080000
59.580	88.250	0.035000
64.540	88.520	0.030000
69.510	88.710	0.030000
74.470	88.760	0.030000
79.440	88.850	0.030000
84.400	88.910	0.030000

Name: 13P2300X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-10.000	91.050	0.040000
0.000	87.950	0.040000
1.000	87.520	0.040000
2.000	84.550	0.035000
15.000	79.950	0.035000
29.000	82.250	0.035000
30.000	87.310	0.035000
31.000	86.250	0.040000
46.000	89.050	0.040000
71.000	90.150	0.040000

Name: 13P2500X Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	87.250	0.030000
2.000	87.670	0.013000
3.000	83.850	0.013000
14.000	81.950	0.035000
25.000	83.950	0.035000
26.000	86.950	0.013000
29.000	87.450	0.013000
55.000	90.550	0.030000

Name: 13Q-W081 Group: 13Q

Encroachment: No

ANCHOR RD POND CONROL STRUCTURE RISER

Station(ft)	Elevation(ft)	Manning's N
0.000	87.680	0.013000
0.000	87.080	0.013000
1.330	87.080	0.013000
1.330	86.480	0.013000
1.830	86.480	0.013000
1.830	87.080	0.013000
3.167	87.080	0.013000
3.167	87.680	0.013000

Name: 13Q-W083 Group: 13Q
Encroachment: No

updated xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.370	0.030000
4.290	87.600	0.030000
8.580	87.350	0.030000
12.860	87.190	0.050000
17.150	87.170	0.050000
21.800	87.080	0.050000
26.450	87.000	0.050000
31.090	87.240	0.050000
35.740	87.360	0.050000
39.120	87.410	0.050000
42.500	87.350	0.050000
45.880	87.350	0.050000
50.300	87.210	0.050000
54.710	87.040	0.050000
59.120	86.920	0.050000
63.540	86.900	0.050000
67.950	86.930	0.050000
72.360	87.270	0.050000
76.780	87.240	0.050000
81.190	87.100	0.050000
85.950	87.100	0.050000
90.710	87.000	0.050000
95.460	86.950	0.050000
100.220	87.020	0.050000
104.980	87.000	0.050000
109.730	86.870	0.050000
114.490	86.760	0.050000
119.250	86.920	0.050000
124.000	87.110	0.050000
128.760	87.050	0.050000
133.550	86.800	0.050000
138.340	86.780	0.050000
143.120	86.480	0.050000
147.910	86.530	0.050000
152.700	86.500	0.050000
157.480	86.880	0.050000
162.270	86.940	0.050000
166.690	86.890	0.050000
171.110	86.680	0.050000
175.530	86.730	0.050000
179.550	86.980	0.050000
183.570	87.090	0.050000
187.580	87.280	0.030000
191.600	87.620	0.030000

Name: 13Q0500X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.650	0.030000
2.000	88.650	0.030000
5.000	86.850	0.030000
7.000	84.050	0.030000
9.000	83.350	0.030000
12.000	84.150	0.030000
15.000	87.750	0.030000
18.000	89.150	0.030000

Name: 13Q0830X Group: 13Q
Encroachment: No

Added
Points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	88.300	0.030000
4.910	88.360	0.030000
9.830	88.570	0.030000
14.740	88.540	0.030000
19.650	88.370	0.030000
24.570	88.530	0.030000
29.480	88.590	0.030000
34.400	88.490	0.030000
38.670	88.320	0.030000
42.940	88.010	0.030000
47.210	87.720	0.030000
51.480	87.570	0.030000
55.750	87.760	0.030000
60.170	87.970	0.030000
64.600	88.190	0.030000
69.030	88.380	0.030000
73.460	88.440	0.030000
77.890	88.470	0.030000
82.310	88.540	0.030000
86.740	88.330	0.030000
91.170	88.280	0.030000

Name: 13Q0896X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	85.610	0.013000
0.000	84.440	0.013000
4.000	84.440	0.013000
4.000	83.360	0.013000
12.000	83.360	0.013000
12.000	84.440	0.013000
16.000	84.440	0.013000
16.000	85.610	0.013000

Name: 13Q1300X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-25.000	89.450	0.030000
0.000	89.150	0.030000
2.000	88.250	0.030000
4.000	86.750	0.045000
6.000	86.750	0.023000
7.000	86.950	0.023000
11.000	89.050	0.023000
16.000	90.150	0.023000
17.000	90.380	0.030000

Name: 13Q1400X Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-18.000	91.250	0.040000
-16.000	90.250	0.040000
-12.000	88.150	0.040000
-10.000	87.750	0.023000
-8.000	88.250	0.023000
-5.000	89.950	0.023000
0.000	91.350	0.030000

Name: 13Q2291X Group: 13Q
Encroachment: No

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Station(ft)	Elevation(ft)	Manning's N
0.000	83.150	0.013000
0.000	82.450	0.013000
1.700	82.450	0.013000
1.700	81.250	0.013000
2.300	81.250	0.013000
2.300	82.450	0.013000
4.000	82.450	0.013000
4.000	83.150	0.013000

Name: RA_ALTON Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	19.650	0.035000
0.000	19.580	0.035000
40.000	19.590	0.035000

Name: RA_MOSS Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	36.870	0.035000
-50.000	36.610	0.035000
0.000	36.510	0.035000
50.000	36.670	0.035000
100.000	37.050	0.035000

Name: RA_MURPH Group: 13A
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	44.080	0.035000
-50.000	43.810	0.035000
0.000	43.510	0.035000
50.000	43.670	0.035000
100.000	44.110	0.035000

Name: RC_ALTON Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-105.000	20.010	0.050000
-50.000	19.250	0.050000
0.000	19.750	0.050000
50.000	19.650	0.050000
100.000	19.650	0.050000

Name: RC_HAYES Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-116.000	34.950	0.050000
-100.000	34.150	0.050000
-50.000	33.950	0.050000
0.000	34.150	0.050000
50.000	34.550	0.050000
100.000	35.050	0.050000

Name: RC_JEEP Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-350.000	16.290	0.050000
-100.000	14.350	0.050000
-50.000	14.750	0.050000
0.000	14.750	0.050000
50.000	15.350	0.050000
100.000	17.850	0.050000

Name: RC_SHORE Group: 13C
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	30.230	0.035000
-50.000	29.850	0.035000
0.000	29.850	0.035000
50.000	30.050	0.050000
100.000	30.850	0.050000

Name: RD_FLAMI Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	41.750	0.035000
-50.000	41.440	0.035000
0.000	41.180	0.035000
50.000	41.180	0.035000
100.000	41.430	0.035000

Name: RD_MOSS Group: 13D
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	38.400	0.035000
0.000	38.350	0.035000
50.000	38.450	0.035000

Name: RF_MURPH Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	51.650	0.035000
-50.000	51.490	0.035000
0.000	51.080	0.035000
50.000	50.890	0.035000
100.000	50.580	0.035000

Name: RF_SEVEN Group: 13F
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	47.900	0.050000
-50.000	47.750	0.050000
0.000	49.030	0.050000
50.000	49.360	0.050000
100.000	49.540	0.050000

Name: RI_CR434 Group: 13I

Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
3700.000	65.530	0.035000
4300.000	64.330	0.035000
4400.000	64.130	0.035000
4500.000	64.420	0.035000
4600.000	65.880	0.035000
4710.000	67.610	0.035000
4810.000	69.010	0.035000

Name: RI_WILDM Group: 13I
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	61.300	0.035000
-50.000	61.330	0.035000
0.000	61.260	0.035000
50.000	61.360	0.035000
100.000	61.600	0.035000

Name: RJ_GRANT Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	63.550	0.035000
-50.000	62.430	0.035000
0.000	61.970	0.035000
25.000	61.970	0.035000

Name: RJ_MARVI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-50.000	74.310	0.035000
0.000	74.690	0.035000
50.000	75.170	0.035000
100.000	75.780	0.035000

Name: RJ_OLEAN Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-90.000	78.290	0.050000
-50.000	77.170	0.050000
0.000	76.650	0.050000
50.000	76.550	0.050000
100.000	76.650	0.050000
110.000	76.950	0.050000
250.000	77.650	0.050000

Name: RJ_OVERS Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	76.450	0.050000
-50.000	76.350	0.050000
0.000	76.340	0.050000
50.000	76.250	0.050000
100.000	76.150	0.050000

Name: RJ_TULLI Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	77.550	0.050000
-50.000	77.650	0.050000
0.000	77.950	0.050000
50.000	78.050	0.050000
100.000	77.950	0.050000
150.000	78.950	0.050000

Name: RJ_WILDM Group: 13J
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-120.000	78.290	0.050000
-50.000	78.210	0.050000
0.000	78.330	0.050000
50.000	78.490	0.050000
100.000	78.730	0.050000
210.000	78.950	0.050000

Name: RK_SEMIN Group: 13K
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	60.840	0.035000
-50.000	60.770	0.035000
0.000	60.800	0.035000
50.000	60.790	0.035000
100.000	60.670	0.035000

Name: RL_NTRIP Group: 13L
Encroachment: No

Revised xsec points based on terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	56.900	0.030000
4.370	56.810	0.030000
8.740	56.780	0.030000
13.100	56.740	0.030000
17.470	56.710	0.030000
21.840	56.670	0.030000
26.210	56.570	0.030000
31.180	56.390	0.030000
36.160	56.270	0.030000
41.130	56.160	0.030000
46.110	56.110	0.030000
51.080	55.920	0.030000
56.060	55.910	0.030000
61.030	55.860	0.030000
66.010	55.700	0.030000
70.980	55.710	0.030000
75.960	55.630	0.030000
80.940	55.550	0.030000
85.910	55.450	0.030000
90.890	55.430	0.030000
95.860	55.310	0.030000
100.840	55.200	0.030000
105.810	55.250	0.030000
110.790	55.110	0.030000
115.760	55.030	0.030000
120.740	55.070	0.030000
125.710	54.940	0.030000
130.620	54.900	0.030000
135.520	54.840	0.030000
140.420	54.860	0.030000
145.320	54.730	0.030000
150.230	54.770	0.030000
155.130	54.680	0.030000
160.030	54.600	0.030000

164.930	54.610	0.030000
169.830	54.620	0.030000
174.740	54.630	0.030000
179.640	54.610	0.030000
184.540	54.560	0.030000
189.440	54.580	0.030000
194.350	54.680	0.030000
199.250	54.650	0.030000
204.150	54.620	0.030000
209.050	54.700	0.030000
213.950	54.810	0.030000
218.860	54.840	0.030000
223.760	54.830	0.030000
228.660	54.800	0.030000
233.560	54.900	0.030000
238.470	55.010	0.030000
243.320	55.200	0.030000
248.180	55.250	0.030000
253.040	55.240	0.030000
257.900	55.200	0.030000
262.760	55.230	0.030000
267.620	55.380	0.030000
272.480	55.700	0.030000
277.340	55.900	0.030000
282.200	55.840	0.030000
287.060	55.550	0.030000
291.920	55.420	0.030000
296.780	55.500	0.030000
301.640	55.530	0.030000
306.500	55.480	0.030000
311.360	55.450	0.030000
316.220	55.490	0.030000
321.080	55.700	0.030000
325.940	55.810	0.030000
330.800	55.880	0.030000
335.660	55.900	0.030000
340.520	55.940	0.030000
345.370	56.080	0.030000
350.230	56.120	0.030000
355.090	56.090	0.030000
359.950	56.110	0.030000

Name: RL_OXFOR Group: 13L
Encroachment: No

Revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	73.900	0.030000
4.820	73.890	0.030000
9.650	73.890	0.030000
14.470	73.880	0.030000
19.300	73.840	0.030000
24.120	73.860	0.030000
28.950	73.810	0.030000
33.770	73.680	0.030000
38.600	73.300	0.030000
43.420	73.210	0.030000
48.250	73.740	0.030000
53.070	74.070	0.030000
57.900	74.160	0.030000
62.720	74.090	0.030000
67.540	74.080	0.030000
72.370	74.200	0.030000
77.190	74.140	0.030000
82.020	74.150	0.030000
86.840	74.210	0.030000
91.670	74.360	0.030000

Name: RP_MORSE Group: 13P
Encroachment: No

revised xsec points from terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	90.000	0.030000
4.960	90.000	0.030000
9.930	90.000	0.030000
14.890	90.000	0.030000
19.850	90.000	0.030000
24.810	90.000	0.030000

29.780	90.000	0.030000
34.740	89.960	0.030000
39.700	89.800	0.030000
44.670	89.620	0.030000
49.630	89.570	0.030000
54.590	89.670	0.030000
59.550	89.830	0.030000
64.520	89.950	0.030000
69.480	90.000	0.030000
74.440	90.000	0.030000
79.410	90.000	0.030000
84.370	90.000	0.030000
89.330	90.000	0.030000
94.300	90.000	0.030000
99.260	89.950	0.030000
104.220	89.750	0.030000
109.180	89.550	0.030000
114.150	89.550	0.030000
119.110	89.580	0.030000
124.070	89.610	0.030000
129.040	89.650	0.030000
134.000	89.760	0.030000
138.960	89.930	0.030000
143.920	90.000	0.030000
148.890	90.000	0.030000
153.850	90.000	0.030000
158.810	90.000	0.030000
163.780	90.000	0.030000
168.740	90.000	0.030000
173.700	90.000	0.030000
178.660	90.000	0.030000
183.630	90.000	0.030000
188.590	90.000	0.030000

Name: RP_NTRIP Group: 13P
Encroachment: No

Revision
Updated xsec points to better match terrain

Station(ft)	Elevation(ft)	Manning's N
0.000	60.300	0.030000
4.340	60.240	0.030000
8.680	60.230	0.030000
13.030	60.190	0.030000
17.370	60.150	0.030000
21.710	60.170	0.030000
26.050	60.240	0.030000
30.390	60.270	0.030000

Name: RP_SOUTH Group: 13P
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-100.000	79.500	0.035000
-50.000	79.470	0.035000
0.000	79.280	0.035000
50.000	79.390	0.035000
100.000	79.400	0.035000

Name: RQ_OAK Group: 13Q
Encroachment: No

Revised xsec. Extended length

Station(ft)	Elevation(ft)	Manning's N
0.000	89.100	0.030000
4.920	89.090	0.030000
9.840	89.130	0.030000
14.770	89.110	0.030000
19.690	89.130	0.030000
24.610	89.130	0.030000
29.530	89.100	0.030000
34.460	89.000	0.030000
39.380	88.960	0.030000
44.300	88.960	0.030000
49.220	88.980	0.030000

54.150	89.020	0.030000
59.070	89.060	0.030000
63.990	89.140	0.030000
68.910	89.110	0.030000

Name: RQ_PINE Group: 13Q
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	88.760	0.030000
4.740	88.750	0.030000
9.490	88.770	0.030000
14.230	88.790	0.030000
18.980	88.800	0.030000
23.720	88.790	0.030000
28.470	88.760	0.030000
33.210	88.770	0.030000
37.950	88.700	0.030000
42.700	88.690	0.030000
47.440	88.590	0.030000
52.190	88.570	0.030000
56.930	88.510	0.030000
61.670	88.510	0.030000
66.420	88.540	0.030000
71.160	88.670	0.030000
75.910	88.770	0.030000
80.650	88.840	0.030000
85.400	88.910	0.030000

==========
==== Operating Tables ==========
==========

Name: 13L-PS10 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
53.450	4.00
53.950	4.90
58.950	4.90

Name: 13P-PS18 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
79.350	1.12
83.950	1.97
86.450	3.92
88.950	3.92

Name: 13P-PS27 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
81.950	8.55
83.450	9.54
84.950	10.52
88.950	10.52

Name: 13P-PS28 Group: OP_TABLES
Type: Rating Curve
Function: US Stage vs. Discharge

US Stage(ft)	Discharge(cfs)
80.950	7.60
82.450	9.21
83.450	10.52
88.950	10.52

==== Pipes ====

```
         Name: 13A0700C            From Node: 13A0800N          Length(ft): 116.20
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 132.00         132.00                     Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                         Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.820                          Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.960          0.960                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A0701C            From Node: 13A0800N          Length(ft): 114.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 132.00         132.00                     Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                         Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.880                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 6.000          6.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A0702C            From Node: 13A0800N          Length(ft): 112.25
        Group: 13A                   To Node: 13A0600N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 132.00         132.00                     Entrance Loss Coef: 0.50
     Rise(in): 120.00         120.00                         Exit Loss Coef: 0.18
   Invert(ft): 3.190          2.920                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 15° skewed headwall

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A0720S            From Node: 13A0725N          Length(ft): 312.00
        Group: 13A                   To Node: 13A0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
```

```
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 13.880         9.250                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A1200C            From Node: 13A1300N           Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 60.00          60.00                          Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                              Exit Loss Coef: 0.00
   Invert(ft): 9.790          9.980                              Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13A1201C            From Node: 13A1300N           Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 60.00          60.00                          Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                              Exit Loss Coef: 0.00
   Invert(ft): 9.650          9.840                              Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13A1202C            From Node: 13A1300N           Length(ft): 91.00
        Group: 13A                   To Node: 13A1100N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                   Flow: Both
     Span(in): 60.00          60.00                          Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                              Exit Loss Coef: 0.00
   Invert(ft): 10.040         9.790                              Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13A1500C            From Node: 13A1600N           Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                            Exit Loss Coef: 0.00
   Invert(ft): 12.730         13.290                           Bend Loss Coef: 0.00
  Manning's N: 0.015000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          0.670                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13A1501C_1          From Node: 13A1600N           Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                            Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13A1501C_2          From Node: 13A1600N           Length(ft): 90.50
        Group: 13A                   To Node: 13A1400N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                            Exit Loss Coef: 0.00
   Invert(ft): 13.255         13.385                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13A3100C            From Node: 13A3200N           Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                               Flow: Both
     Span(in): 144.00         144.00                       Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.420         29.390                           Bend Loss Coef: 0.00
  Manning's N: 0.031000       0.031000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3101C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.410         29.370                          Bend Loss Coef: 0.00
  Manning's N: 0.029000       0.029000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3102C            From Node: 13A3200N          Length(ft): 36.00
        Group: 13A                   To Node: 13A3000N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 66.00          66.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.390         29.350                          Bend Loss Coef: 0.00
  Manning's N: 0.032000       0.032000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.500          4.500                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13A3310C            From Node: 13A3320P          Length(ft): 50.00
        Group: 13A                   To Node: 13A3300N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                       Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                           Exit Loss Coef: 0.00
   Invert(ft): 36.450         36.330                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13A3500C_1          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                           Exit Loss Coef: 0.00
```

```
   Invert(ft): 34.320         34.300                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers



-----------------------------------------------------------------------------------------------
         Name: 13A3500C_2          From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                           Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.300                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers



-----------------------------------------------------------------------------------------------
         Name: 13A3501C            From Node: 13A3600N          Length(ft): 34.30
        Group: 13A                   To Node: 13A3400N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.60          48.60                           Exit Loss Coef: 0.00
   Invert(ft): 34.320         34.290                          Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          2.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers



-----------------------------------------------------------------------------------------------
         Name: 13A3800C_1          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers



-----------------------------------------------------------------------------------------------
```

```
         Name: 13A3800C_2          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3800C_3          From Node: 13A3900N          Length(ft): 40.00
        Group: 13A                   To Node: 13A3700N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 144.00         144.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.510         37.500                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers


-----------------------------------------------------------------------------------------------
         Name: 13A3905C            From Node: 13A3910P          Length(ft): 25.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.070         35.730                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3915C            From Node: 13A3920P          Length(ft): 80.00
        Group: 13A                   To Node: 13A3900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 40.450         40.260                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3925S            From Node: 13A3930N          Length(ft): 130.00
        Group: 13A                   To Node: 13A3920P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 37.160         36.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3935S            From Node: 13A3940N          Length(ft): 385.00
        Group: 13A                   To Node: 13A3930N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.200         38.740                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3945S            From Node: 13A3950N          Length(ft): 204.00
        Group: 13A                   To Node: 13A3940N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 39.440         39.240                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13A3951S            From Node: 13A3952P          Length(ft): 642.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                          Exit Loss Coef: 0.00
   Invert(ft): 44.260         41.690                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3975S            From Node: 13A3980N          Length(ft): 208.00
        Group: 13A                   To Node: 13A3950N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 39.690         39.590                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A3985S            From Node: 13A3990P          Length(ft): 120.00
        Group: 13A                   To Node: 13A3980N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 41.590         41.450                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13A4110C            From Node: 13A4120P          Length(ft): 40.00
        Group: 13A                   To Node: 13A4000N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 37.010         38.810                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13B0300C            From Node: 13B0400N          Length(ft): 127.00
        Group: 13B                   To Node: 13B0200N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 68.00          68.00                    Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                        Exit Loss Coef: 0.00
   Invert(ft): 10.660         10.830                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------------
         Name: 13C0650C            From Node: 12-01-02          Length(ft): 135.00
        Group: 13C                   To Node: 13C0600N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 96.00          96.00                    Entrance Loss Coef: 0.20
     Rise(in): 66.00          66.00                        Exit Loss Coef: 0.00
   Invert(ft): 9.390          9.250                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13C0900C            From Node: 13C1000N          Length(ft): 72.00
        Group: 13C                   To Node: 13C0800N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 83.00          83.00                    Entrance Loss Coef: 0.20
     Rise(in): 57.00          57.00                        Exit Loss Coef: 0.00
   Invert(ft): 11.910         12.030                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13C1600C            From Node: 13C1700N          Length(ft): 28.00
        Group: 13C                   To Node: 13C1500N               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                    Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                        Exit Loss Coef: 0.00
   Invert(ft): 25.200         24.990                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
```

Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13C2100C           From Node: 13C2200P          Length(ft): 40.00
        Group: 13C                  To Node: 13C2000N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 30.370         29.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13D0160C_1         From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                  To Node: 13D0150N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13D0160C_2         From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                  To Node: 13D0150N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13D0160C_3         From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                  To Node: 13D0150N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 6.00           6.00                        Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                            Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                          Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0160C_4          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 6.00           6.00                       Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                         Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0160C_5          From Node: 13D0170P          Length(ft): 40.00
        Group: 13D                   To Node: 13D0150N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 6.00           6.00                       Entrance Loss Coef: 0.20
     Rise(in): 6.00           6.00                           Exit Loss Coef: 0.00
   Invert(ft): 29.480         29.410                         Bend Loss Coef: 0.00
  Manning's N: 0.010000       0.010000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

```
         Name: 13D0300S            From Node: 13D0310N          Length(ft): 23.00
        Group: 13D                   To Node: 13D0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                   Flow: Both
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 32.800         31.920                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting

```
         Name: 13D0320S            From Node: 13D0330N          Length(ft): 35.00
        Group: 13D                   To Node: 13D0310N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
```

```
     Geometry: Arch          Arch                                  Flow: Both
     Span(in): 57.00         57.00                   Entrance Loss Coef: 0.50
     Rise(in): 38.00         38.00                       Exit Loss Coef: 0.00
   Invert(ft): 33.660        32.950                      Bend Loss Coef: 0.00
  Manning's N: 0.024000      0.024000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13D0340S           From Node: 13D0400N          Length(ft): 23.00
        Group: 13D                  To Node: 13D0330N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 57.00          57.00                   Entrance Loss Coef: 0.90
     Rise(in): 38.00          38.00                       Exit Loss Coef: 0.00
   Invert(ft): 33.220         33.580                      Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Projecting

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13D0600C           From Node: 13D0700N          Length(ft): 49.00
        Group: 13D                  To Node: 13D0500N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 48.00          48.00                   Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                       Exit Loss Coef: 0.00
   Invert(ft): 33.680         33.750                      Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0300C           From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                  To Node: 13F0200N               Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 24.00          24.00                   Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                       Exit Loss Coef: 0.00
   Invert(ft): 45.210         45.380                      Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13F0301C            From Node: 13F0400P          Length(ft): 30.00
        Group: 13F                   To Node: 13F0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 45.290         45.300                           Bend Loss Coef: 0.00
  Manning's N: 0.028000       0.028000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_1          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 23.00          23.00                        Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                            Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_2          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 23.00          23.00                        Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                            Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


-----------------------------------------------------------------------------------------------
         Name: 13F0415C_3          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 23.00          23.00                        Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                            Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
         Name: 13F0415C_4          From Node: 13F0420P          Length(ft): 196.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 23.00          23.00                      Entrance Loss Coef: 0.20
     Rise(in): 14.00          14.00                          Exit Loss Coef: 0.00
   Invert(ft): 48.950         47.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

```
         Name: 13F0425C_1          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_2          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

```
         Name: 13F0425C_3          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
```

```
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_4          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_5          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13F0425C_6          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 38.00          38.00                      Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall
```

```
--------------------------------------------------------------------------------------------------
         Name: 13F0425C_7          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 38.00          38.00                       Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


--------------------------------------------------------------------------------------------------
         Name: 13F0425C_8          From Node: 13F0430P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0400P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 38.00          38.00                       Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 49.150         48.950                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


--------------------------------------------------------------------------------------------------
         Name: 13F0445C            From Node: 13F0450P          Length(ft): 333.00
        Group: 13F                   To Node: 13F0440P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 42.950         42.950                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges


--------------------------------------------------------------------------------------------------
         Name: 13F0900C            From Node: 13F1000P          Length(ft): 60.00
        Group: 13F                   To Node: 13F0800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                              Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 52.850         53.050                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.250          1.250                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

```
         Name: 13G0300C            From Node: 13G0400N          Length(ft): 20.00
        Group: 13G                   To Node: 13G0200N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                    Flow: Both
     Span(in): 71.00          71.00                       Entrance Loss Coef: 0.50
     Rise(in): 47.00          47.00                           Exit Loss Coef: 0.00
   Invert(ft): 43.980         44.200                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
         Name: 13I0200C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 47.460         47.530                          Bend Loss Coef: 0.00
  Manning's N: 0.022000       0.032000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 3.000          3.500                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13I0201C            From Node: 13I0300N          Length(ft): 136.00
        Group: 13I                   To Node: KATHRYN                Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                           Exit Loss Coef: 0.00
   Invert(ft): 48.530         48.500                          Bend Loss Coef: 0.00
  Manning's N: 0.026000       0.028000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          2.500                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 3/4" chamfers

```
         Name: 13I0500C_1          From Node: FAIRY             Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                          Bend Loss Coef: 0.00
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0500C_2          From Node: FAIRY              Length(ft): 20.00
        Group: 13I                   To Node: 13I0400N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 50.590         50.510                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0615C            From Node: 13I0620P           Length(ft): 197.00
        Group: 13I                   To Node: 13I0610P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.70
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 46.950         46.950                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


-----------------------------------------------------------------------------------------------
         Name: 13I0800C_1          From Node: 13I0900N           Length(ft): 37.00
        Group: 13I                   To Node: 13I0700N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13I0800C_2          From Node: 13I0900N           Length(ft): 37.00
```

```
        Group: 13I                  To Node: 13I0700N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 54.730         54.330                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13I1100C_1          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                  To Node: 13I1000N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 45.00          45.00                     Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                         Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1100C_2          From Node: WILDMERE          Length(ft): 60.00
        Group: 13I                  To Node: 13I1000N               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 45.00          45.00                     Entrance Loss Coef: 0.20
     Rise(in): 29.00          29.00                         Exit Loss Coef: 0.00
   Invert(ft): 56.440         55.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1502S            From Node: 13I1502N          Length(ft): 271.00
        Group: 13I                  To Node: 13I1500P               Count: 1
                                                          Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 1.00
   Invert(ft): 54.850         54.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1504S            From Node: 13I1504N          Length(ft): 169.00
        Group: 13I                   To Node: 13I1502N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 1.00
   Invert(ft): 55.350         54.850                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1506S            From Node: 13I1506N          Length(ft): 481.00
        Group: 13I                   To Node: 13I1504N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 58.750         55.850                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1507S            From Node: 13I1512N          Length(ft): 176.00
        Group: 13I                   To Node: 13I1506N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 60.050         59.250                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13I1508S            From Node: 13I1508N          Length(ft): 42.00
        Group: 13I                   To Node: 13I1506N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                          Exit Loss Coef: 1.00
   Invert(ft): 59.470         58.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1510S            From Node: 13I1510N          Length(ft): 168.00
        Group: 13I                   To Node: 13I1508N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                           Exit Loss Coef: 1.00
   Invert(ft): 59.550         59.500                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1512S            From Node: 13I1512N          Length(ft): 30.00
        Group: 13I                   To Node: 13I1510N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 1.00
   Invert(ft): 61.160         60.130                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13I1514S            From Node: 13I1514P          Length(ft): 28.00
        Group: 13I                   To Node: 13I1512N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                           Exit Loss Coef: 1.00
   Invert(ft): 61.100         61.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0200C_1          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                  Count: 1
                                                           Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 35.00          35.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0200C_2          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 35.00          35.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0200C_3          From Node: 13J0300N          Length(ft): 50.00
        Group: 13J                   To Node: FAIRY                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                  Flow: Both
     Span(in): 35.00          35.00                     Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 57.880         57.120                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0340S_1          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 60.470         59.440                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13J0340S_2          From Node: 13J0340N          Length(ft): 81.00
        Group: 13J                   To Node: 13J0320N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 60.470         59.440                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0360S_1          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0360S_2          From Node: 13J0360N          Length(ft): 125.00
        Group: 13J                   To Node: 13J0340N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 61.410         60.470                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0400S_1          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J0400S_2          From Node: 13J0400N          Length(ft): 392.00
        Group: 13J                   To Node: 13J0360N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 65.900         62.450                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J0500C_1          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J0500C_2          From Node: 13J0600N          Length(ft): 46.00
        Group: 13J                   To Node: 13J0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 69.130         67.990                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13J0680S            From Node: 13J0680N          Length(ft): 62.00
        Group: 13J                   To Node: 13J0640N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
```

```
     Span(in): 57.00          57.00                      Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                          Exit Loss Coef: 0.00
   Invert(ft): 70.080         69.650                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.500          0.500                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13J0700S            From Node: 13J0700N           Length(ft): 135.00
        Group: 13J                   To Node: 13J0680N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                         Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                             Exit Loss Coef: 0.00
   Invert(ft): 71.210         70.080                            Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0800C_1          From Node: 13J0800N           Length(ft): 52.00
        Group: 13J                   To Node: 13J0700N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                            Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13J0800C_2          From Node: 13J0800N           Length(ft): 52.00
        Group: 13J                   To Node: 13J0700N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 71.130         71.010                            Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                         Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                              Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

```
-----------------------------------------------------------------------------------------------------
         Name: 13J1000C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 71.670         71.430                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------------
         Name: 13J1001C            From Node: 13J1000N          Length(ft): 40.00
        Group: 13J                   To Node: 13J0900N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.90
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 71.490         71.490                        Bend Loss Coef: 0.00
  Manning's N: 0.033000       0.033000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 2.000          0.500                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------------
         Name: 13J1200C_1          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels


-----------------------------------------------------------------------------------------------------
         Name: 13J1200C_2          From Node: 13J1300N          Length(ft): 56.00
        Group: 13J                   To Node: 13J1100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 72.300         71.950                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
         Name: 13J1500C            From Node: 13J1600N          Length(ft): 30.00
        Group: 13J                   To Node: 13J1400N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 60.00          60.00                       Entrance Loss Coef: 0.20
     Rise(in): 43.00          43.00                           Exit Loss Coef: 0.00
   Invert(ft): 71.250         70.760                          Bend Loss Coef: 0.00
  Manning's N: 0.030000       0.030000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.890          1.890                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end projecting

```
         Name: 13J1810C_1          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

```
         Name: 13J1810C_2          From Node: 13J1820P          Length(ft): 38.00
        Group: 13J                   To Node: 13J1800N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.005         77.965                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

```
         Name: 13J2000C            From Node: 13J2100N          Length(ft): 120.00
        Group: 13J                   To Node: 13J1900N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                             Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
```

```
   Invert(ft): 75.720         75.700                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels

Downstream FHWA Inlet Edge Description:
Rectangular Box: 90° headwall w/ 45° bevels


-----------------------------------------------------------------------------------------------
         Name: 13J2220C            From Node: 13J2220P          Length(ft): 130.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 79.120         78.560                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13J2231S            From Node: 13J2231N          Length(ft): 360.00
        Group: 13J                   To Node: 13J2200P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                               Flow: Both
     Span(in): 60.00          60.00                        Entrance Loss Coef: 0.20
     Rise(in): 38.00          38.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.550         70.050                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall


-----------------------------------------------------------------------------------------------
         Name: 13J2232S            From Node: 13J2232N          Length(ft): 169.00
        Group: 13J                   To Node: 13J2231N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.750         71.550                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
```

```
         Name: 13K0200S_1          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0200S_2          From Node: 13K0250N          Length(ft): 60.00
        Group: 13K                   To Node: KATHRYN                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.750         53.640                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0300S            From Node: 13K0400N          Length(ft): 147.00
        Group: 13K                   To Node: 13K0250N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.670         54.750                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0301S            From Node: 13K0400N          Length(ft): 157.00
        Group: 13K                   To Node: 13K0250N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.770         54.750                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0500S            From Node: 13K0550N          Length(ft): 73.00
        Group: 13K                   To Node: 13K0400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 56.370         55.410                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

```
-----------------------------------------------------------------------------------------------
         Name: 13K0600S            From Node: 13K0650N          Length(ft): 280.00
        Group: 13K                   To Node: 13K0550N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 57.730         56.400                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0700S            From Node: 13K0750N          Length(ft): 207.50
        Group: 13K                   To Node: 13K0650N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.70
     Rise(in): 37.20          37.20                           Exit Loss Coef: 1.00
   Invert(ft): 58.710         57.730                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 0° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 3/4" chamfers; 30° skewed headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13K0800S            From Node: 13K0820N          Length(ft): 170.00
        Group: 13K                   To Node: 13K0750N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                           Exit Loss Coef: 0.00
   Invert(ft): 59.380         58.710                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
```

```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13K0840S            From Node: 13K0860N          Length(ft): 128.00
        Group: 13K                   To Node: 13K0820N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 59.050         59.360                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K1000S            From Node: 13K1100N          Length(ft): 56.00
        Group: 13K                   To Node: 13K0860N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 59.150         59.120                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K1200S            From Node: 13K1300N          Length(ft): 10.00
        Group: 13K                   To Node: 13K1100N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 58.900         58.880                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-square edges

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13K2100C            From Node: TROUT             Length(ft): 16.00
        Group: 13K                   To Node: 13K2000N               Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 77.460         77.460                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------------
         Name: 13K4100C_1          From Node: 13K4200P          Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13K4100C_2          From Node: 13K4200P          Length(ft): 144.00
        Group: 13K                   To Node: 13K4050P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 75.480         74.090                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------------
         Name: 13K4300C            From Node: 13K4400P          Length(ft): 21.00
        Group: 13K                   To Node: 13K4200P               Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.90
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 79.290         78.990                       Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
```

Circular CMP: Projecting

```
-----------------------------------------------------------------------------------------------
         Name: 13L0010S            From Node: 13L0020N           Length(ft): 400.00
        Group: 13L                   To Node: KATHRYN                 Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.850         50.950                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13L0030S            From Node: 13L0040P           Length(ft): 100.00
        Group: 13L                   To Node: 13L0020N                 Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 12.00          12.00                       Entrance Loss Coef: 0.50
     Rise(in): 12.00          12.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.950         51.850                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13L0300C_1          From Node: 13L0400N           Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N                 Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

```
-----------------------------------------------------------------------------------------------
         Name: 13L0300C_2          From Node: 13L0400N           Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N                 Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                            Flow: Both
     Span(in): 72.00          72.00                       Entrance Loss Coef: 0.20
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 49.415         49.035                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

```
         Name: 13L0301C            From Node: 13L0400N          Length(ft): 146.00
        Group: 13L                   To Node: 13L0200N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Rectangular    Rectangular                              Flow: Both
     Span(in): 72.00          72.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 49.380         48.930                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

```
         Name: 13L1203C            From Node: 13L1203N          Length(ft): 450.00
        Group: GEE                   To Node: TRIPLT-S               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 15.00          15.00                      Entrance Loss Coef: 0.50
     Rise(in): 15.00          15.00                          Exit Loss Coef: 1.00
   Invert(ft): 56.900         48.000                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream invert assumed
MXT - revised DS invert

```
         Name: 13L1890C            From Node: 13L1895P          Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 52.750         52.750                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13L2100S            From Node: 13L2150N          Length(ft): 95.00
        Group: 13L                   To Node: 13L2050P               Count: 1
                                                           Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 54.00          54.00                     Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                         Exit Loss Coef: 0.00
   Invert(ft): 56.250         55.280                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2350S            From Node: 13L2400N          Length(ft): 300.00
        Group: 13L                   To Node: 13L2300P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 54.00          54.00                     Entrance Loss Coef: 0.50
     Rise(in): 54.00          54.00                         Exit Loss Coef: 0.00
   Invert(ft): 62.950         61.750                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2600C            From Node: 13L2700N          Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                 Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 72.00          72.00                     Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                         Exit Loss Coef: 0.00
   Invert(ft): 69.150         65.430                        Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2601C            From Node: 13L2700N          Length(ft): 100.00
        Group: 13L                   To Node: OXFORD                 Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 69.070         65.750                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13L2900C_1          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                            Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L2900C_2          From Node: 13L3000N          Length(ft): 36.00
        Group: 13L                   To Node: 13L2800N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 32.40          32.40                            Exit Loss Coef: 0.00
   Invert(ft): 72.450         72.010                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


-----------------------------------------------------------------------------------------------
         Name: 13L3110C            From Node: 13L3140P          Length(ft): 669.00
        Group: 13L                   To Node: 13L3100N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 80.950         76.610                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          6.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting


-----------------------------------------------------------------------------------------------
         Name: 13M0800S            From Node: 13M0850N          Length(ft): 38.00
        Group: 13M                   To Node: SECRET                 Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
     Span(in): 57.00          57.00                        Entrance Loss Coef: 0.50
     Rise(in): 38.00          38.00                            Exit Loss Coef: 0.00
   Invert(ft): 49.720         49.460                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.830          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: Mitered to slope

```
-----------------------------------------------------------------------------------------------
         Name: 13M0900S            From Node: 13M0950N          Length(ft): 122.00
        Group: 13M                   To Node: 13M0850N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.340         49.720                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13M0960S            From Node: 13M0970N          Length(ft): 14.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                       Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                           Exit Loss Coef: 0.00
   Invert(ft): 51.980         51.940                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13M1000S            From Node: 13M1100N          Length(ft): 108.00
        Group: 13M                   To Node: 13M0950N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 52.480         51.040                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13M1300C            From Node: 13M1400N          Length(ft): 20.00
        Group: 13M                   To Node: 13M1200N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
```

```
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 54.500         54.510                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1550S            From Node: 13M1600N           Length(ft): 110.00
        Group: 13M                   To Node: 13M1500N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Arch           Arch                                      Flow: Both
     Span(in): 45.00          45.00                      Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                          Exit Loss Coef: 0.00
   Invert(ft): 55.750         55.320                         Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall

Downstream FHWA Inlet Edge Description:
Pipe Arch 18" Corner Radius CM: 90° headwall


-----------------------------------------------------------------------------------------------
         Name: 13M1650S            From Node: CONCORD            Length(ft): 44.00
        Group: 13M                   To Node: 13M1600N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 56.740         55.900                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13M2317S            From Node: 13M2317N           Length(ft): 480.00
        Group: 13M                   To Node: CONCORD                 Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                     Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                          Exit Loss Coef: 1.00
   Invert(ft): 56.730         56.190                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
```

No invert data available for headwall outfall (DS)
DS invert estimated from mh invert just US of outfall
City Infrastructure (Assumed NVGD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13M2318S            From Node: 13M2318N           Length(ft): 106.00
        Group: 13M                   To Node: 13M2317N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 57.490         55.910                           Bend Loss Coef: 0.00
  Manning's N: 0.011000       0.011000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
HDPE
City Infrastructure (Assumed NVGD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13M2319S            From Node: 13M2319N           Length(ft): 23.00
        Group: 13M                   To Node: 13M2318N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.020         57.240                           Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Revision
GCS_1037_SD (NGVD 29)
Structure S-30 to Existing MH
DS Invert from City Infrastructure (Assumed NVGD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13M2320S            From Node: 13M2320N           Length(ft): 157.00
        Group: 13M                   To Node: 13M2319N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 48.00          48.00                        Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                            Exit Loss Coef: 0.00
   Invert(ft): 58.170         58.020                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
structure S-28 to S-30

```
---------------------------------------------------------------------------------------------------
         Name: 13M2331S            From Node: 13M2331N           Length(ft): 15.00
        Group: 13M                   To Node: 13M2333N                Count: 1
                                                              Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.70
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 66.700         65.910                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-38 to S-36


-----------------------------------------------------------------------------------------------
         Name: 13M2333S            From Node: 13M2333N          Length(ft): 68.00
        Group: 13M                   To Node: 13M2320N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 62.910         62.780                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
GCS_1037_SD (NGVD 29)
S-36 to S-28


-----------------------------------------------------------------------------------------------
         Name: 13M2334S            From Node: 13M2334N          Length(ft): 93.00
        Group: 13M                   To Node: 13M2330P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 1.00
   Invert(ft): 59.220         60.480                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
         Name: 13M2335S            From Node: 13M2335N          Length(ft): 248.00
        Group: 13M                   To Node: 13M2334N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                          Exit Loss Coef: 0.00
   Invert(ft): 64.000         63.450                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0150S            From Node: 13N0150N          Length(ft): 341.00
        Group: 13N                   To Node: 13N0250N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 0.00
   Invert(ft): 51.000         51.010                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
D110A to D115
GCS_1048_SD (Assaumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0250S            From Node: 13N0250N          Length(ft): 261.00
        Group: 13N                   To Node: LOST                   Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 53.00          53.00                      Entrance Loss Coef: 0.50
     Rise(in): 34.00          34.00                          Exit Loss Coef: 1.00
   Invert(ft): 50.990         50.870                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Elliptical Inlet Face: Tapered inlet-thin edge projecting

Revision
D115 to D117
GCS_1048_SD (Assaumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13N0350S            From Node: 13N0350N          Length(ft): 89.00
        Group: 13N                   To Node: 13N0300N               Count: 3
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 51.460         51.400                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
S-121 to S-120

GCS_1048_SD (Assaumed NAVD 88)

```
-----------------------------------------------------------------------------------------------
         Name: 13N0500S            From Node: 13N0600N           Length(ft): 100.00
        Group: 13N                   To Node: 13N0400N                Count: 3
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                            Flow: Both
     Span(in): 36.00          36.00                         Entrance Loss Coef: 0.50
     Rise(in): 26.00          26.00                             Exit Loss Coef: 0.00
   Invert(ft): 51.770         51.740                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                             Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.900          0.300                           Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Dimensions and length from Casselberry City Infrastructure
Inverts estimated from DEM

```
-----------------------------------------------------------------------------------------------
         Name: 13N0501P            From Node: 13N0601N           Length(ft): 1000.00
        Group: 13N                   To Node: 13N0600N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                         Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                             Exit Loss Coef: 0.00
   Invert(ft): 55.000         51.770                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                             Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

assumed culvert data from Casselberry infrastructure gis

```
-----------------------------------------------------------------------------------------------
         Name: 13N0800S            From Node: 13N0800P           Length(ft): 425.00
        Group: 13N                   To Node: 13N0805N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 8.00           8.00                          Entrance Loss Coef: 0.70
     Rise(in): 8.00           8.00                              Exit Loss Coef: 0.00
   Invert(ft): 52.260         51.630                            Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                        Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                             Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35A to D35
ADS pipe

```
-----------------------------------------------------------------------------------------------
         Name: 13N0810S            From Node: 13N0810N           Length(ft): 53.00
        Group: 13N                   To Node: 13N0300N                Count: 1
                                                              Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 8.00           8.00                          Entrance Loss Coef: 0.50
     Rise(in): 8.00           8.00                              Exit Loss Coef: 0.00
   Invert(ft): 51.620         51.600                            Bend Loss Coef: 0.00
```

```
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 to D36

-----------------------------------------------------------------------------------------------
         Name: 13N0900S            From Node: 13N0900P           Length(ft): 1026.00
        Group: 13N                   To Node: 13N0800P                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.70
     Rise(in): 36.00          36.00                            Exit Loss Coef: 1.00
   Invert(ft): 45.970         44.020                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
D28 to D34
GCS_1048_SD (Assaumed NAVD 88)
DS invert unknown - estimated from US manhole (D33)

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_1          From Node: 13P0400N           Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

-----------------------------------------------------------------------------------------------
         Name: 13P0300C_2          From Node: 13P0400N           Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13P0300C_3          From Node: 13P0400N          Length(ft): 45.00
        Group: 13P                   To Node: 13P0450N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 55.110         54.120                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 1.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular: Beveled ring, 45° bevels

Revision
Changed To Node
Adjusted length to match aerial

```
---------------------------------------------------------------------------------------------------
         Name: 13P1200P            From Node: 13P1200N          Length(ft): 225.00
        Group: 13P                   To Node: POND1                  Count: 2
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.90
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 70.000         65.000                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

```
---------------------------------------------------------------------------------------------------
         Name: 13P1500C_1          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
---------------------------------------------------------------------------------------------------
         Name: 13P1500C_2          From Node: 13P1600N          Length(ft): 43.00
        Group: 13P                   To Node: 13P1400N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.20
```

```
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 74.870         74.040                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P1810S            From Node: 13P1810P          Length(ft): 13.00
        Group: 13P                   To Node: 13P1811N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 77.110         77.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Pond 3 to DS-3: See sheets 101, 104
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

-----------------------------------------------------------------------------------------------
         Name: 13P1812S            From Node: 13P1812N          Length(ft): 247.00
        Group: 13P                   To Node: 13P1813N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.700         81.400                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 to outfall  - see sheets 101 & 104 (u/s end);
Estimated d/s invert from terrian
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes


-----------------------------------------------------------------------------------------------
         Name: 13P1815C            From Node: 13P1815N          Length(ft): 466.00
        Group: GEE                   To Node: 13L3100N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                             Flow: Both
     Span(in): 68.00          68.00                       Entrance Loss Coef: 0.50
     Rise(in): 43.00          43.00                           Exit Loss Coef: 1.00
   Invert(ft): 74.940         72.750                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```

Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

```
         Name: 13P1820S            From Node: 13P1820N           Length(ft): 226.00
        Group: 13P                   To Node: 13P1814N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                       Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                           Exit Loss Coef: 0.00
   Invert(ft): 79.150         77.650                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
DS end confirmed from Field Recon by BRW/CLR on 12/7/15 - see field notes
changed To Node from 13P1800P
updated from Survey - Lochrane 07/09/15 - Bainbridge at Casselberry Apartments (NAVD 88)

```
         Name: 13P1821S            From Node: 13P1822N           Length(ft): 300.00
        Group: 13P                   To Node: 13P1820N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 81.750         81.150                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13P1823S            From Node: 13P1824N           Length(ft): 475.00
        Group: 13P                   To Node: 13P1822N                Count: 1
                                                            Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                           Exit Loss Coef: 0.00
   Invert(ft): 82.650         81.750                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
         Name: 13P1890S            From Node: GRASSY             Length(ft): 310.00
        Group: 13P                   To Node: 13P1820N                Count: 1
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 48.00          48.00                    Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                        Exit Loss Coef: 0.00
   Invert(ft): 81.800         81.100                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified
Combined mutiple pipes to node 13P1820N due to same size
City of Casselberry Infrastructure (NAVD 88)
US invert estimated from terrain
DS invert from Survey - Lochrane 07/09/15  - Bainbridge at Casselberry Apartments (NAVD 88)
length estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13P2000S            From Node: 13P2010N           Length(ft): 80.00
        Group: 13P                   To Node: GRASSY                 Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                    Entrance Loss Coef: 0.20
     Rise(in): 36.00          36.00                        Exit Loss Coef: 0.00
   Invert(ft): 81.890         77.770                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
DM 6183 to waterbody

-----------------------------------------------------------------------------------------------
         Name: 13P2020S            From Node: 13P2050N           Length(ft): 60.00
        Group: 13P                   To Node: 13P2010N                 Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                    Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                        Exit Loss Coef: 0.00
   Invert(ft): 84.010         83.790                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Updated inverts based on survey
GCS_1046_SD (NAVD 88)
ditch to DM 6183


-----------------------------------------------------------------------------------------------
         Name: 13P2100C            From Node: 13P2200N           Length(ft): 47.00
        Group: 13P                   To Node: 13P2050N                 Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
   Invert(ft): 84.780         84.560                       Bend Loss Coef: 0.00
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Updated inverts based on survey
GCS_1046_SD (NAVD 88)

-------------------------------------------------------------------------------------------------
         Name: 13P2350S            From Node: 13P2350N          Length(ft): 54.00
        Group: 13P                   To Node: 13P2400P               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                         Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                             Exit Loss Coef: 0.00
   Invert(ft): 83.600         83.000                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
S-100 to Pond 1 : See sheets 99, 58
Estimated length from aerials
d/s invert estimated - could not find invert on plans
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

-------------------------------------------------------------------------------------------------
         Name: 13P2400C            From Node: PRAIRIE           Length(ft): 16.00
        Group: 13P                   To Node: PEARL                  Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 96.00          96.00                         Entrance Loss Coef: 0.50
     Rise(in): 96.00          96.00                             Exit Loss Coef: 0.00
   Invert(ft): 81.890         81.440                            Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall



-------------------------------------------------------------------------------------------------
         Name: 13P2400S            From Node: 13P2400P          Length(ft): 50.00
        Group: 13P                   To Node: 13P2410N               Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                    Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                         Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                             Exit Loss Coef: 0.00
   Invert(ft): 82.410         82.400                            Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

Added
Pond 1 to DS-1: See sheets 99, 102
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

```
-----------------------------------------------------------------------------------------------
         Name: 13P2420S            From Node: 13P2420N          Length(ft): 590.00
        Group: 13P                   To Node: PRAIRIE                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                       Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                           Exit Loss Coef: 1.00
   Invert(ft): 87.400         84.620                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
u/s invert from plans - see sheet 99
d/s outfall location assumed
d/s invert estimated from terrain
length estimated from aerials

```
-----------------------------------------------------------------------------------------------
         Name: 13P2610S            From Node: 13P2620N          Length(ft): 455.00
        Group: 13P                   To Node: PRAIRIE                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 42.00          42.00                       Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                           Exit Loss Coef: 0.00
   Invert(ft): 82.850         81.850                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13P2630S            From Node: 13P2640N          Length(ft): 180.00
        Group: 13P                   To Node: 13P2620N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 83.350         82.850                          Bend Loss Coef: 0.00
  Manning's N: 0.024000       0.024000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall

```
-----------------------------------------------------------------------------------------------
         Name: 13P2643S            From Node: 13P2643N          Length(ft): 456.00
        Group: 13P                   To Node: 13P2640N                Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
```

```
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 30.00          30.00                     Entrance Loss Coef: 0.20
     Rise(in): 30.00          30.00                         Exit Loss Coef: 0.00
   Invert(ft): 84.950         83.850                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2644S            From Node: 13P2644N          Length(ft): 580.00
        Group: 13P                   To Node: 13P2643N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 87.550         85.450                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2646S            From Node: 13P2646N          Length(ft): 94.00
        Group: 13P                   To Node: 13P2644N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 15.00          15.00                     Entrance Loss Coef: 0.20
     Rise(in): 15.00          15.00                         Exit Loss Coef: 0.00
   Invert(ft): 88.450         88.050                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P2650S            From Node: 13P2660P          Length(ft): 97.00
        Group: 13P                   To Node: 13P2640N               Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 24.00          24.00                     Entrance Loss Coef: 0.20
     Rise(in): 24.00          24.00                         Exit Loss Coef: 0.00
   Invert(ft): 84.350         84.150                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
-----------------------------------------------------------------------------------------------
         Name: 13P31200S           From Node: 13P3120N          Length(ft): 250.00
        Group: GEE                   To Node: 13P3150N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 0.00
   Invert(ft): 88.740         89.010                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3150S            From Node: 13P3150N          Length(ft): 180.00
        Group: GEE                   To Node: 13P3100P               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 1.00
   Invert(ft): 89.050         88.490                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

DS inv calculated by .31% slope. Smart box carries overflow to node.

-----------------------------------------------------------------------------------------------
         Name: 13P3250S            From Node: 13P3250N          Length(ft): 193.00
        Group: GEE                   To Node: 13P3120N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 36.00          36.00                        Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                            Exit Loss Coef: 0.00
   Invert(ft): 85.570         88.640                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-----------------------------------------------------------------------------------------------
         Name: 13P3300S            From Node: 13P3300N          Length(ft): 214.00
        Group: GEE                   To Node: 13P3250N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 42.00          42.00                        Entrance Loss Coef: 0.50
     Rise(in): 42.00          42.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.400         85.570                           Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3350S            From Node: 13P3350N          Length(ft): 249.00
        Group: GEE                   To Node: 13P3300N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
     Rise(in): 48.00          48.00                          Exit Loss Coef: 0.00
   Invert(ft): 81.900         84.660                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3400S            From Node: 13P3400P          Length(ft): 140.00
        Group: GEE                   To Node: 13P3350N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 54.00          54.00                      Entrance Loss Coef: 0.70
     Rise(in): 54.00          54.00                          Exit Loss Coef: 0.00
   Invert(ft): 81.330         81.900                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3450S            From Node: 13P3450N          Length(ft): 373.00
        Group: GEE                   To Node: 13P3500N               Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 0.00
   Invert(ft): 89.190         83.880                         Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
         Name: 13P3500S            From Node: 13P3500N          Length(ft): 119.00
        Group: GEE                   To Node: PRAIRIE                Count: 1
                                                           Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 48.00          48.00                      Entrance Loss Coef: 0.50
```

```
     Rise(in): 48.00          48.00                        Exit Loss Coef: 1.00
   Invert(ft): 83.260         82.390                       Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



-----------------------------------------------------------------------------------------------
         Name: 13Q0821S            From Node: 13Q0821N           Length(ft): 583.00
        Group: 13Q                   To Node: 13Q0822N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 84.410         83.390                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Structure S-122 to S-115
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)


-----------------------------------------------------------------------------------------------
         Name: 13Q0822S            From Node: 13Q0822N           Length(ft): 371.00
        Group: 13Q                   To Node: GRASSY                  Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                            Exit Loss Coef: 1.00
   Invert(ft): 83.300         83.340                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None



Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-115 to S-110
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)


-----------------------------------------------------------------------------------------------
         Name: 13Q0861S            From Node: 13Q0861N           Length(ft): 391.00
        Group: 13Q                   To Node: 13Q0865N                Count: 1
                                                             Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 23.00          23.00                        Entrance Loss Coef: 0.50
     Rise(in): 14.00          14.00                            Exit Loss Coef: 0.00
   Invert(ft): 86.090         85.370                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0865S            From Node: 13Q0865N           Length(ft): 99.00
        Group: 13Q                   To Node: 13Q0875N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 30.00          30.00                       Entrance Loss Coef: 0.50
     Rise(in): 19.00          19.00                           Exit Loss Coef: 0.00
   Invert(ft): 85.320         85.100                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0875S            From Node: 13Q0875N           Length(ft): 380.00
        Group: 13Q                   To Node: 13Q0880N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                           Flow: Both
     Span(in): 45.00          45.00                       Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                           Exit Loss Coef: 0.00
   Invert(ft): 85.100         84.350                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0880S            From Node: 13Q0880N           Length(ft): 606.00
        Group: 13Q                   To Node: 13Q0885N                Count: 1
                                                            Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                  Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                Flow: Both
     Span(in): 36.00          36.00                       Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                           Exit Loss Coef: 0.00
   Invert(ft): 84.350         83.000                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                      Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                           Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0885S            From Node: 13Q0885N           Length(ft): 67.00
        Group: 13Q                   To Node: 13Q0890N                Count: 1
                                                            Friction Equation: Automatic
```

```
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Horz Ellipse   Horz Ellipse                          Flow: Both
     Span(in): 54.00          54.00                     Entrance Loss Coef: 0.50
     Rise(in): 29.00          29.00                         Exit Loss Coef: 0.00
   Invert(ft): 82.930         82.860                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length not correct in infrastructure - estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0890S            From Node: 13Q0890N          Length(ft): 350.00
        Group: 13Q                   To Node: 13Q0895N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 0.00
   Invert(ft): 82.830         82.470                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Casselberry City Infrstructure (Assumed NAVD 88)
length in infrastructrue incorrect -  estimated from aerials

-----------------------------------------------------------------------------------------------
         Name: 13Q0895S            From Node: 13Q0895N          Length(ft): 2.00
        Group: 13Q                   To Node: 13Q0896N               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 60.00          60.00                     Entrance Loss Coef: 0.50
     Rise(in): 60.00          60.00                         Exit Loss Coef: 0.00
   Invert(ft): 78.610         78.600                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Field Recon by BRW/CLR 12/7/15 - see field notes
dimensions measured in field
 assumed circular geometry and 5' diameter
inverts measured from top of structure (Top estimated from terrain)

-----------------------------------------------------------------------------------------------
         Name: 13Q0924S            From Node: 13Q0924P          Length(ft): 298.00
        Group: 13Q                   To Node: 13Q0940P               Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                               Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.70
     Rise(in): 42.00          42.00                         Exit Loss Coef: 1.00
   Invert(ft): 80.000         80.100                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S- 128C to S-127A
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q0940S            From Node: 13Q0940P           Length(ft): 126.00
        Group: 13Q                   To Node: 13Q0820P                Count: 2
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 30.00          30.00                        Entrance Loss Coef: 0.70
     Rise(in): 30.00          30.00                            Exit Loss Coef: 1.00
   Invert(ft): 80.130         79.890                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
Structure S-121D to S-121C
GCS_1046_SD
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q2290S            From Node: 13Q2290P           Length(ft): 105.00
        Group: 13Q                   To Node: 13Q2291N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 24.00          24.00                        Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                            Exit Loss Coef: 0.00
   Invert(ft): 71.950         78.620                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

```
---------------------------------------------------------------------------------------------------
         Name: 13Q2292S            From Node: 13Q2292N           Length(ft): 210.00
        Group: 13Q                   To Node: 13Q2293N                Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                  Flow: Both
     Span(in): 18.00          18.00                        Entrance Loss Coef: 0.50
     Rise(in): 18.00          18.00                            Exit Loss Coef: 0.00
   Invert(ft): 76.720         75.900                           Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                       Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                            Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 38

```
---------------------------------------------------------------------------------------------------
         Name: 13Q2293S            From Node: 13Q2293N          Length(ft): 439.00
        Group: 13Q                   To Node: 13Q2294N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 75.400         73.310                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q2295S            From Node: 13Q2295N          Length(ft): 47.00
        Group: 13Q                   To Node: 13Q2296N               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.50
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 71.900         73.170                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)

```
---------------------------------------------------------------------------------------------------
         Name: 13Q2296S            From Node: 13Q2296N          Length(ft): 35.00
        Group: 13Q                   To Node: 13Q2300P               Count: 1
                                                           Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                   Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                                 Flow: Both
     Span(in): 30.00          30.00                      Entrance Loss Coef: 0.50
     Rise(in): 30.00          30.00                          Exit Loss Coef: 1.00
   Invert(ft): 72.120         73.050                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                          Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
GCS_1037_SD (NGVD 29)

```
---------------------------------------------------------------------------------------------------
         Name: POND8P              From Node: POND8B            Length(ft): 700.00
        Group: 13L                   To Node: POND8A                 Count: 3
```

```
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                              Flow: Both
     Span(in): 54.00          54.00                    Entrance Loss Coef: 0.00
     Rise(in): 54.00          54.00                        Exit Loss Coef: 1.00
   Invert(ft): 47.000         47.000                       Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope


==========================================================================================
==== Channels ============================================================================
==========================================================================================

          Name: 13A0100             From Node: 13A0100N           Length(ft): 831.53
         Group: 13A                   To Node: JESUP                   Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 2.350          2.950                                 Flow: Both
 TClpInitZ(ft): 17.450         10.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A0100X       13A0000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------
          Name: 13A0300             From Node: 13A0300N           Length(ft): 468.49
         Group: 13A                   To Node: 13A0100N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.050          2.350                                 Flow: Both
 TClpInitZ(ft): 13.950         17.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A0300X       13A0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------
          Name: 13A0600             From Node: 13A0600N           Length(ft): 362.70
         Group: 13A                   To Node: 13A0500N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0600G            From Node: 13A0600N           Length(ft): 581.09
         Group: 13A                   To Node: 13A0500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.250          4.050                                  Flow: None
 TClpInitZ(ft): 13.950         12.250                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0600X       13A0500X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0900             From Node: 13A0900N           Length(ft): 849.63
         Group: 13A                   To Node: 13A0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 7.250          4.150                                  Flow: Both
 TClpInitZ(ft): 16.650         17.750                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A0950             From Node: 13A0950N           Length(ft): 300.23
         Group: 13A                   To Node: 13A0900N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.050          7.250                                  Flow: Both
 TClpInitZ(ft): 16.650         16.650                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A0900X       13A0900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A1000             From Node: 13A1000N           Length(ft): 286.49
         Group: 13A                   To Node: 13A0950N                Count: 1
```

```
               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 8.850          8.050                                 Flow: Both
TClpInitZ(ft): 17.050         17.050                       Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13A1000X       13A1000X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: 13A1100             From Node: 13A1100N           Length(ft): 945.28
        Group: 13A                   To Node: 13A1000N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 10.350         8.850                                 Flow: Both
TClpInitZ(ft): 20.250         17.050                       Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13A1100X       13A1000X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: 13A1400             From Node: 13A1400N           Length(ft): 935.83
        Group: 13A                   To Node: 13A1300N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 11.950         11.150                                Flow: Both
TClpInitZ(ft): 25.250         20.750                       Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13A1400X       13A1300X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
         Name: 13A1700             From Node: 13A1700N           Length(ft): 725.51
        Group: 13A                   To Node: 13A1600N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 15.150         12.550                                Flow: Both
TClpInitZ(ft): 28.750         26.250                       Contraction Coef: 0.100
  Manning's N:                                               Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13A1700X       13A1600X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A1800             From Node: 13A1800N           Length(ft): 804.08
         Group: 13A                   To Node: 13A1700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 14.650         15.150                                Flow: Both
 TClpInitZ(ft): 28.050         28.750                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A1800X       13A1700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A1900             From Node: 13A1900N           Length(ft): 606.48
         Group: 13A                   To Node: 13A1800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 17.850         14.650                                Flow: Both
 TClpInitZ(ft): 26.950         28.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A1900X       13A1800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2200             From Node: 13A2200N           Length(ft): 526.47
         Group: 13A                   To Node: 13A2100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                                Flow: Both
 TClpInitZ(ft): 29.450         27.550                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2200G            From Node: 13A2200N           Length(ft): 554.17
         Group: 13A                   To Node: 13A2100N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
```

```
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 19.150         18.750                                Flow: None
 TClpInitZ(ft): 29.450         27.550                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13A2200X       13A2100X                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2300             From Node: 13A2300N          Length(ft): 713.10
         Group: 13A                   To Node: 13A2200N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 21.150         19.150                                Flow: Both
 TClpInitZ(ft): 32.750         29.450                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13A2300X       13A2200X                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2400             From Node: 13A2400N          Length(ft): 641.78
         Group: 13A                   To Node: 13A2350N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 22.350         21.150                                Flow: Both
 TClpInitZ(ft): 32.950         32.750                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 1.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13A2400X       13A2300X                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A2750             From Node: 13A2750N          Length(ft): 904.10
         Group: 13A                   To Node: 13A2600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         22.650                                Flow: Both
 TClpInitZ(ft): 30.350         32.790                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.500
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13A2700X       13A2600X                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
```

```
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2800             From Node: 13A2800N          Length(ft): 689.46
         Group: 13A                   To Node: 13A2750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 28.450         25.150                               Flow: Both
 TClpInitZ(ft): 35.250         33.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A2800X       13A2750X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A2900             From Node: 13A2900N          Length(ft): 1060.76
         Group: 13A                   To Node: 13A2800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 31.750         28.450                               Flow: Both
 TClpInitZ(ft): 36.950         35.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A2900X       13A2800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A3000             From Node: 13A3000N          Length(ft): 644.30
         Group: 13A                   To Node: 13A2900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 31.950         31.750                               Flow: Both
 TClpInitZ(ft): 37.350         36.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13A3000X       13A2900X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13A3300             From Node: 13A3300N          Length(ft): 311.71
         Group: 13A                   To Node: 13A3200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 31.750         32.450                               Flow: Both
```

```
 TClpInitZ(ft): 39.950         40.010                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A3300X       13A3200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3400             From Node: 13A3400N           Length(ft): 538.68
         Group: 13A                   To Node: 13A3300N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 33.250         31.750                                  Flow: Both
 TClpInitZ(ft): 41.750         39.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A3400X       13A3300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A3700             From Node: 13A3700N           Length(ft): 707.33
         Group: 13A                   To Node: 13A3600N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 34.750         32.750                                  Flow: Both
 TClpInitZ(ft): 43.930         51.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A3700X       13A3600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4000             From Node: 13A4000N           Length(ft): 431.50
         Group: 13A                   To Node: 13A3900N                Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 36.950         36.550                                  Flow: Both
 TClpInitZ(ft): 39.850         39.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4000X       13A3900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
```

```
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4100             From Node: 13A4100N          Length(ft): 322.77
         Group: 13A                   To Node: 13A4000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 37.450         36.950                               Flow: Both
 TClpInitZ(ft): 43.750         39.850                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.770
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4100X       13A4000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4200             From Node: 13A4200N          Length(ft): 431.82
         Group: 13A                   To Node: 13A4100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 38.250         37.450                               Flow: Both
 TClpInitZ(ft): 44.350         43.750                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4200X       13A4100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4300             From Node: 13A4300N          Length(ft): 448.11
         Group: 13A                   To Node: 13A4200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 39.050         38.250                               Flow: Both
 TClpInitZ(ft): 48.950         44.350                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A4300X       13A4200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A4400             From Node: 13A4400N          Length(ft): 532.84
         Group: 13A                   To Node: 13A4300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 40.250         39.050                               Flow: Both
 TClpInitZ(ft): 47.050         48.950                       Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
```

```
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A4400X       13A4300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13A4700             From Node: 13A4700N          Length(ft): 466.19
         Group: 13A                   To Node: 13A4600N               Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 40.850         39.850                                 Flow: Both
 TClpInitZ(ft): 45.450         45.450                        Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.500
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A4600X       13A4600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13A4800             From Node: 13A4800N          Length(ft): 204.85
         Group: 13A                   To Node: 13A4700N               Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 41.850         40.850                                 Flow: Both
 TClpInitZ(ft): 48.060         47.850                        Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A4800X       13A4700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: 13A5050             From Node: 13A5050N          Length(ft): 269.83
         Group: 13A                   To Node: 13A5000N               Count: 1

                UPSTREAM       DOWNSTREAM                   Friction Equation: Automatic
      Geometry: Irregular      Irregular                   Solution Algorithm: Automatic
    Invert(ft): 42.650         42.350                                 Flow: Both
 TClpInitZ(ft): 48.150         48.150                        Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: 13A5000X       13A5000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-----------------------------------------------------------------------------------------------------
          Name: 13A5100             From Node: 13A5100N          Length(ft): 372.55
         Group: 13A                   To Node: 13A5050N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 42.850         42.650                                 Flow: Both
 TClpInitZ(ft): 51.150         51.150                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5100X       13A5100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A5200             From Node: 13A5200N          Length(ft): 553.84
         Group: 13A                   To Node: 13A5100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 42.950         42.850                                 Flow: Both
 TClpInitZ(ft): 52.250         51.150                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.670
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5200X       13A5100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A5300             From Node: 13A5300N          Length(ft): 240.80
         Group: 13A                   To Node: 13A5200N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.350         42.950                                 Flow: Both
 TClpInitZ(ft): 53.650         52.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5300X       13A5200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13A5400             From Node: 13A5400N          Length(ft): 530.56
         Group: 13A                   To Node: 13A5300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.850         43.350                                 Flow: Both
 TClpInitZ(ft): 56.450         53.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
```

```
     Main XSec: 13A5400X       13A5300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5500             From Node: 13A5500N           Length(ft): 292.75
         Group: 13A                   To Node: 13A5400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 44.750         43.850                                 Flow: Both
 TClpInitZ(ft): 56.050         56.450                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5500X       13A5400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 51.850         0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1: 13A5500X_Aux1                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A5600             From Node: 13A5600N           Length(ft): 235.28
         Group: 13A                   To Node: 13A5500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.250         44.750                                 Flow: Both
 TClpInitZ(ft): 53.850         56.050                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A5600X       13A5500X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          51.850                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                13A5500X_Aux1             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13A6200             From Node: KATHRYN            Length(ft): 445.11
         Group: 13A                   To Node: 13A6000P                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 47.050         47.050                                 Flow: Both
 TClpInitZ(ft): 53.450         53.450                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13A6100X       13A6100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

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--------------------------------------------------------------------------------------------------
         Name: 13B0500             From Node: 13B0500N          Length(ft): 325.01
        Group: 13B                  To Node: 13B0400N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 15.450         13.350                                Flow: Both
TClpInitZ(ft): 23.050         21.650                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13B0500X       13B0400X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13B0600             From Node: 13B0600N          Length(ft): 524.30
        Group: 13B                  To Node: 13B0500N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 19.650         15.450                                Flow: Both
TClpInitZ(ft): 30.450         23.050                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13B0600X       13B0500X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13C0100             From Node: 13C0100N          Length(ft): 291.32
        Group: 13C                  To Node: 13A0950N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 7.950          7.250                                 Flow: Both
TClpInitZ(ft): 15.950         15.950                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.500
 Bot Clip(ft):                                                Exit Loss Coef: 0.500
    Main XSec: 13C0100X       13C0100X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                             Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: 13C0200             From Node: 13C0200N          Length(ft): 205.67
        Group: 13C                  To Node: 13C0100N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 8.950          7.950                                 Flow: Both
TClpInitZ(ft): 16.290         16.290                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.000
 Bot Clip(ft):                                                Exit Loss Coef: 0.000
    Main XSec: 13C0200X       13C0200X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0300             From Node: 13C0300N           Length(ft): 389.96
         Group: 13C                   To Node: 13C0200N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 10.050         8.950                                Flow: Both
 TClpInitZ(ft): 15.750         16.290                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 1.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13C0300X       13C0200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0600             From Node: 13C0600N           Length(ft): 352.63
         Group: 13C                   To Node: 13C0500N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 9.250          10.450                               Flow: Both
 TClpInitZ(ft): 15.850         15.850                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 1.000
     Main XSec: 13C0700X       13C0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C0800             From Node: 13C0800N           Length(ft): 705.54
         Group: 13C                   To Node: 13C0600N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 13.150         9.250                                Flow: Both
 TClpInitZ(ft): 17.550         15.850                      Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.450
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13C0800X       13C0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1100             From Node: 13C1100N           Length(ft): 717.46
```

```
        Group: 13C                  To Node: 13C1000N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 15.150         12.850                                Flow: Both
TClpInitZ(ft): 21.950         21.050                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 1.000
 Bot Clip(ft):                                                Exit Loss Coef: 1.000
    Main XSec: 13C1100X       13C1000X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                               Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
         Name: 13C1200             From Node: 13C1200N          Length(ft): 988.12
        Group: 13C                  To Node: 13C1100N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 20.450         15.150                                Flow: Both
TClpInitZ(ft): 25.950         21.950                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 1.000
 Bot Clip(ft):                                                Exit Loss Coef: 1.000
    Main XSec: 13C1200X       13C1100X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                               Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
         Name: 13C1300             From Node: 13C1300N          Length(ft): 474.47
        Group: 13C                  To Node: 13C1200N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 22.550         20.450                                Flow: Both
TClpInitZ(ft): 28.950         25.950                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.500
 Bot Clip(ft):                                                Exit Loss Coef: 0.500
    Main XSec: 13C1300X       13C1200X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                               Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
         Name: 13C1350             From Node: 13C1350N          Length(ft): 563.30
        Group: 13C                  To Node: 13C1300N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 23.950         22.550                                Flow: Both
TClpInitZ(ft): 28.950         28.950                       Contraction Coef: 0.100
  Manning's N:                                                Expansion Coef: 0.300
 Top Clip(ft):                                            Entrance Loss Coef: 0.250
 Bot Clip(ft):                                                Exit Loss Coef: 0.500
    Main XSec: 13C1400X       13C1300X                      Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
    Aux XSec1:                                               Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1400             From Node: 13C1400N           Length(ft): 479.05
         Group: 13C                   To Node: 13C1350N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.450         23.950                                 Flow: Both
 TClpInitZ(ft): 28.950         28.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C1400X       13C1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500             From Node: 13C1500N           Length(ft): 515.37
         Group: 13C                   To Node: 13C1400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 25.150         25.450                                 Flow: Both
 TClpInitZ(ft): 29.750         28.950                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C1500X       13C1400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1500X            From Node: 13C1500N           Length(ft): 1400.00
         Group: 13C                   To Node: 13C1300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 30.330         25.130                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13C1800             From Node: 13C1800N           Length(ft): 451.89
         Group: 13C                   To Node: 13C1700N                Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 26.750         26.250                               Flow: Both
 TClpInitZ(ft): 31.950         31.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C1800X       13C1700X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1850              From Node: 13C1850N           Length(ft): 409.65
         Group: 13C                    To Node: 13C1800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 27.050         26.750                               Flow: Both
 TClpInitZ(ft): 31.950         31.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C1900              From Node: 13C1900N           Length(ft): 422.97
         Group: 13C                    To Node: 13C1850N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 27.450         27.050                               Flow: Both
 TClpInitZ(ft): 31.950         31.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C1900X       13C1900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13C2000              From Node: 13C2000N           Length(ft): 599.29
         Group: 13C                    To Node: 13C1900N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 30.650         27.450                               Flow: Both
 TClpInitZ(ft): 34.650         34.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13C2000X       13C2000X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0150             From Node: 13D0150N          Length(ft): 479.03
         Group: 13D                   To Node: 13A2750N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 27.700         25.150                                Flow: Both
 TClpInitZ(ft): 31.750         31.750                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13D0100X       13D0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0200             From Node: 13D0200N          Length(ft): 344.56
         Group: 13D                   To Node: 13D0150N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 29.250         27.700                                Flow: Both
 TClpInitZ(ft): 35.450         35.450                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13D0200X       13D0200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0500             From Node: 13D0500N          Length(ft): 226.42
         Group: 13D                   To Node: 13D0400N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 34.650         34.150                                Flow: Both
 TClpInitZ(ft): 42.850         39.750                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13D0500X       13D0400X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0750             From Node: 13D0750N          Length(ft): 531.99
         Group: 13D                   To Node: 13D0700N               Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
```

```
    Invert(ft): 37.050         35.350                                  Flow: Both
 TClpInitZ(ft): 44.650         44.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0700X       13D0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13D0800             From Node: 13D0800N           Length(ft): 397.55
         Group: 13D                   To Node: 13D0750N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 38.850         37.050                                  Flow: Both
 TClpInitZ(ft): 46.050         46.050                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13D0800X       13D0800X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0200             From Node: 13F0200N           Length(ft): 427.07
         Group: 13F                   To Node: 13A4400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 45.300         40.250                                  Flow: Both
 TClpInitZ(ft): 50.150         49.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13F0200X       13F0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13F0750             From Node: 13F0750N           Length(ft): 314.39
         Group: 13F                   To Node: 13F0700N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 52.950         49.900                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
```

```
  LtSdSlp(h/v): 15.00          15.00
  RtSdSlp(h/v): 15.00          15.00


-----------------------------------------------------------------------------------------------
          Name: 13F0800             From Node: 13F0800N          Length(ft): 276.94
         Group: 13F                   To Node: 13F0750N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 53.250         52.950                               Flow: Both
 TClpInitZ(ft): 56.050         56.050                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13F0800X       13F0800X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0100             From Node: 13G0100N          Length(ft): 454.07
         Group: 13G                   To Node: 13A5050N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.750         42.650                               Flow: Both
 TClpInitZ(ft): 49.650         49.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G0100X       13G0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0200             From Node: 13G0200N          Length(ft): 318.27
         Group: 13G                   To Node: 13G0100N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 45.250         43.750                               Flow: Both
 TClpInitZ(ft): 52.050         49.650                      Contraction Coef: 0.100
   Manning's N:                                                Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13G0200X       13G0100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0500             From Node: 13G0500N          Length(ft): 937.30
         Group: 13G                   To Node: 13G0400N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 44.350         44.340                               Flow: Both
 TClpInitZ(ft): 49.250         51.650                      Contraction Coef: 0.100
```

```
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13G0500X       13G0400X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G0600             From Node: 13G0600N           Length(ft): 1004.35
         Group: 13G                   To Node: 13G0500N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 45.450         44.350                               Flow: Both
 TClpInitZ(ft): 52.750         49.250                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13G0600X       13G0500X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2000             From Node: 13G2000N           Length(ft): 326.25
         Group: 13G                   To Node: 13A5200N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.950         42.950                               Flow: Both
 TClpInitZ(ft): 50.950         50.950                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13G2000X       13G2000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13G2100             From Node: 13G2100N           Length(ft): 525.11
         Group: 13G                   To Node: 13G2000N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 43.950         43.950                               Flow: Both
 TClpInitZ(ft): 53.950         50.950                     Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: 13G2100X       13G2000X                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
--------------------------------------------------------------------------------------------------
          Name: 13I0400             From Node: 13I0400N          Length(ft): 304.55
         Group: 13I                   To Node: 13I0300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 51.650         50.350                              Flow: Both
 TClpInitZ(ft): 58.670         57.930                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0400X       13I0300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13I0700             From Node: 13I0700N          Length(ft): 255.98
         Group: 13I                   To Node: FAIRY                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 54.450         53.950                              Flow: Both
 TClpInitZ(ft): 59.850         59.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I0700X       13I0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13I1000             From Node: 13I1000N          Length(ft): 495.92
         Group: 13I                   To Node: 13I0900N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 56.950         54.830                              Flow: Both
 TClpInitZ(ft): 62.250         59.850                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13I1000X       13I0700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13I1507X            From Node: 13I1512N          Length(ft): 163.00
         Group: 13I                   To Node: 13I1506N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Automatic
    Invert(ft): 65.350         64.350                              Flow: Both
 TClpInitZ(ft): 98.940         98.940                     Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------
          Name: 13I1510X            From Node: 13I1510N           Length(ft): 760.00
         Group: 13I                   To Node: 13I1504N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.350         63.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.013000       0.013000                        Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 57.00          57.00


-----------------------------------------------------------------------------------------------
          Name: 13J0340X            From Node: 13J0340N           Length(ft): 92.00
         Group: 13J                   To Node: 13J0320N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 65.050         64.550                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                        Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 11.20          11.20
  RtSdSlp(h/v): 10.70          10.70


-----------------------------------------------------------------------------------------------
          Name: 13J0360X            From Node: 13J0360N           Length(ft): 132.00
         Group: 13J                   To Node: 13J0340N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 66.950         65.050                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                        Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         0.000
  LtSdSlp(h/v): 5.26           17.00
  RtSdSlp(h/v): 5.67           6.11
```

```
-----------------------------------------------------------------------------------------------
          Name: 13J0400X            From Node: 13J0400N           Length(ft): 398.00
         Group: 13J                   To Node: 13J0360N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 72.250         66.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 0.000          0.000
  LtSdSlp(h/v): 13.00          8.90
  RtSdSlp(h/v): 9.50           15.00


-----------------------------------------------------------------------------------------------
          Name: 13J0500X            From Node: 13J0600N           Length(ft): 1007.94
         Group: 13J                   To Node: 13J0300N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.310         61.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0501X            From Node: 13J0600N           Length(ft): 450.00
         Group: 13J                   To Node: FAIRY                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.310         72.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 12.500         12.500
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0640             From Node: 13J0640N           Length(ft): 420.00
         Group: 13J                   To Node: 13J0600N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 69.950         69.130                                Flow: Both
 TClpInitZ(ft): 75.650         75.080                       Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13J0640X       13J0600X                     Outlet Ctrl Spec: Use dc or tw
```

```
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J0800X            From Node: 13J0800N           Length(ft): 370.00
         Group: 13J                   To Node: 13J0640N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         75.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0801X            From Node: 13J0800N           Length(ft): 880.00
         Group: 13J                   To Node: FAIRY                   Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 76.450         69.950                                  Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J0900             From Node: 13J0900N           Length(ft): 311.00
         Group: 13J                   To Node: 13J0800N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.950         71.130                                  Flow: Both
 TClpInitZ(ft): 76.250         75.650                       Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13J0900X       13J0800X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
```

```
          Name: 13J1000X            From Node: 13J1000N          Length(ft): 300.00
         Group: 13J                   To Node: 13J0800N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 77.650         76.340                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 20.000         20.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-------------------------------------------------------------------------------------------
          Name: 13J1100             From Node: 13J1100N          Length(ft): 91.00
         Group: 13J                   To Node: 13J1000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 71.950         71.490                                 Flow: Both
 TClpInitZ(ft): 77.750         77.750                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1100X       13J1100X                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------
          Name: 13J1400             From Node: 13J1400N          Length(ft): 336.00
         Group: 13J                   To Node: 13J1300N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 72.650         71.750                                 Flow: Both
 TClpInitZ(ft): 78.550         77.450                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13J1400X       13J1300X                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------
          Name: 13J1400X            From Node: 13J1400N          Length(ft): 1300.00
         Group: 13J                   To Node: WILDMERE               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 76.550         67.950                                 Flow: Both
 TClpInitZ(ft): 98.940         98.940                      Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
```

```
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13J1800             From Node: 13J1800N          Length(ft): 503.00
         Group: 13J                   To Node: 13J1600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 73.250         71.250                               Flow: Both
 TClpInitZ(ft): 81.950         78.250                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.500
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J1700X       13J1600X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J1900             From Node: 13J1900N          Length(ft): 529.00
         Group: 13J                   To Node: 13J1800N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.050         73.250                               Flow: Both
 TClpInitZ(ft): 85.550         85.550                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J1900X       13J1900X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13J2200             From Node: 13J2200P          Length(ft): 262.00
         Group: 13J                   To Node: 13J2100N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 77.450         75.350                               Flow: Both
 TClpInitZ(ft): 82.350         82.350                      Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13J2100X       13J2100X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1500             From Node: 13K1500N          Length(ft): 757.71
         Group: 13K                   To Node: 13K1300N               Count: 1
```

```
                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.750         65.150                                Flow: Both
 TClpInitZ(ft): 76.950         69.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13K1600X       13K1400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1600             From Node: 13K1600N           Length(ft): 215.39
         Group: 13K                   To Node: 13K1500N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 71.460         72.250                                Flow: Both
 TClpInitZ(ft): 76.950         76.950                       Contraction Coef: 0.500
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 1.000
  Bot Clip(ft):                                                 Exit Loss Coef: 1.000
     Main XSec: 13K1600X       13K1600X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13K1720X            From Node: 13K1750N           Length(ft): 1450.00
         Group: 13K                   To Node: 13K0750N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 74.710         66.950                                Flow: Both
 TClpInitZ(ft): 98.940         98.940                       Contraction Coef: 0.100
   Manning's N: 0.016000       0.016000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                        Entrance Loss Coef: 1.000
  Bot Clip(ft): 0.000          0.000                           Exit Loss Coef: 0.000
     Main XSec:                                              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 25.000         25.000
  LtSdSlp(h/v): 0.00           0.00
  RtSdSlp(h/v): 0.00           0.00


-----------------------------------------------------------------------------------------------
          Name: 13K2000             From Node: 13K2000N           Length(ft): 406.54
         Group: 13K                   To Node: GRIFFIN                 Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 77.460         78.150                                Flow: Both
 TClpInitZ(ft): 82.650         82.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13K2000X       13K2000X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13L0200             From Node: 13L0200N           Length(ft): 580.00
         Group: 13L                   To Node: KATHRYN                 Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 47.450         47.050                                Flow: Both
 TClpInitZ(ft): 54.950         52.650                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L0200X       13L0100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13L0800             From Node: TRIPLT-N           Length(ft): 1042.05
         Group: 13L                   To Node: 13L0400N                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 46.550         46.750                                Flow: Both
 TClpInitZ(ft): 52.750         56.250                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.200
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L0700X       13L0400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-----------------------------------------------------------------------------------------------
          Name: 13L1200             From Node: TRIPLT-S           Length(ft): 50.00
         Group: 13L                   To Node: TRIPLT-M                Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 49.440         49.440                                Flow: Both
 TClpInitZ(ft): 52.200         52.200                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                             Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                 Exit Loss Coef: 0.000
     Main XSec: 13L1200X       13L1200X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                              Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added  - Golf Cart path seperating Middle and South Triplet Lake
 Middle and South  Triplet Lake were orginally modeled as one node
xsec points, inverts, and Top Clip Elev from LiDar
length estimated from aerials

-----------------------------------------------------------------------------------------------
```

```
          Name: 13L1400             From Node: 13L1400N          Length(ft): 530.00
         Group: 13L                   To Node: TRIPLT-S               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 48.950         47.650                               Flow: Both
 TClpInitZ(ft): 57.820         52.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13L1400X       13L1300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L1700             From Node: QUEENS            Length(ft): 175.00
         Group: 13L                   To Node: 13L1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 49.250         49.250                               Flow: Both
 TClpInitZ(ft): 57.510         57.510                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13L1600X       13L1600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L2800             From Node: 13L2800N          Length(ft): 315.97
         Group: 13L                   To Node: 13L2700N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 70.550         69.050                               Flow: Both
 TClpInitZ(ft): 79.650         75.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13L2800X       13L2700X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13L3100             From Node: 13L3100N          Length(ft): 252.63
         Group: 13L                   To Node: 13L3000N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 72.750         72.400                               Flow: Both
 TClpInitZ(ft): 81.450         81.450                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13L3100X       13L3000X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M0400             From Node: SECRET            Length(ft): 381.39
         Group: 13M                   To Node: 13M0300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 47.950         48.650                                Flow: Both
 TClpInitZ(ft): 54.750         54.750                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13M0300X       13M0300X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13M1200             From Node: 13M1200N          Length(ft): 299.46
         Group: 13M                   To Node: 13M1100N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 53.750         52.480                                Flow: Both
 TClpInitZ(ft): 58.150         58.950                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13M1200X       13M1100X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13M1500             From Node: 13M1500N          Length(ft): 323.64
         Group: 13M                   To Node: 13M1400N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 55.050         54.150                                Flow: Both
 TClpInitZ(ft): 61.750         59.050                       Contraction Coef: 0.100
   Manning's N:                                                 Expansion Coef: 0.300
  Top Clip(ft):                                              Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                  Exit Loss Coef: 0.000
     Main XSec: 13M1500X       13M1400X                      Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                             Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
```

```
          Name: 13M2340             From Node: 13M2340P           Length(ft): 868.00
         Group: 13M                   To Node: 13M2335N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 70.550         68.800                               Flow: Both
 TClpInitZ(ft): 73.950         72.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13M2340X       13M2334X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised To Node and d/s Invert
GCS_1037_SD (NGVD 29)


--------------------------------------------------------------------------------------------------
          Name: 13N0200             From Node: LOST               Length(ft): 394.00
         Group: 13N                   To Node: TRIPLT-M               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 49.440         49.350                               Flow: Both
 TClpInitZ(ft): 51.820         51.820                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0100X       13N0100X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

revised xsec points to match terrain
updated u/s and d/s inverts
Updated Top Clip Elev.


--------------------------------------------------------------------------------------------------
          Name: 13N0300             From Node: 13N0300N           Length(ft): 438.61
         Group: 13N                   To Node: LOST                   Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 49.850         49.250                               Flow: Both
 TClpInitZ(ft): 55.950         55.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0300X       13N0300X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
          Name: 13N0400             From Node: 13N0400N           Length(ft): 635.00
         Group: 13N                   To Node: 13N0350N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
```

```
    Invert(ft): 51.740         49.850                                  Flow: Both
 TClpInitZ(ft): 57.050         55.950                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0400X       13N0400X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised length based on survey
GCS_1048_SD
updated u/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13N0700             From Node: YVONNE            Length(ft): 338.64
         Group: 13N                   To Node: 13N0600N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 51.750         51.770                                  Flow: Both
 TClpInitZ(ft): 57.250         57.250                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13N0600X       13N0600X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

updated d/s invert to match pipe invert


-----------------------------------------------------------------------------------------------
          Name: 13P0401C            From Node: 13P0401N          Length(ft): 600.00
         Group: 13P                   To Node: 13P0400N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 59.000         55.110                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.030000       0.030000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                            Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                             Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00


-----------------------------------------------------------------------------------------------
          Name: 13P0450C            From Node: 13P0450N          Length(ft): 605.00
         Group: 13P                   To Node: TRIPLT-M               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 53.250         50.340                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P0450X       13P0450TMX                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
```

```
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
Added
xsecs points from terrain


-----------------------------------------------------------------------------------------------
          Name: 13P0500C            From Node: 13P0500P           Length(ft): 1100.00
         Group: 13P                   To Node: POND2                  Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 58.570         53.000                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                     Contraction Coef: 0.100
   Manning's N: 0.030000       0.030000                       Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                              Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 5.000          5.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00


-----------------------------------------------------------------------------------------------
          Name: 13P1300             From Node: 13P1300N           Length(ft): 282.30
         Group: 13P                   To Node: 13P1200N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 72.450         70.930                                  Flow: Both
 TClpInitZ(ft): 77.550         75.250                       Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.330
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13P1300X       13P1200X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------
          Name: 13P1400             From Node: 13P1400N           Length(ft): 192.00
         Group: 13P                   To Node: 13P1300N               Count: 1

                UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 74.040         72.450                                  Flow: Both
 TClpInitZ(ft): 78.450         77.550                       Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                            Entrance Loss Coef: 0.000
  Bot Clip(ft):                                                Exit Loss Coef: 0.000
     Main XSec: 13P1400X       13P1300X                     Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revision
updated u/s invert to match pipe invert
```

```
-----------------------------------------------------------------------------------------------------
          Name: 13P1650             From Node: 13P1650N          Length(ft): 160.07
         Group: 13P                   To Node: 13P1600N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.280         74.850                                Flow: Both
 TClpInitZ(ft): 80.910         80.910                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13P1600X       13P1600X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13P1700             From Node: 13P1700N          Length(ft): 225.92
         Group: 13P                   To Node: 13P1650N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 75.890         75.280                                Flow: Both
 TClpInitZ(ft): 80.950         80.950                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: 13P1700X       13P1700X                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-----------------------------------------------------------------------------------------------------
          Name: 13P1813C            From Node: 13P1813N          Length(ft): 150.00
         Group: 13P                   To Node: 13P1814N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 81.140         78.590                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.040000       0.060000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 4.00           4.00
  RtSdSlp(h/v): 4.00           4.00

Added
Channel with dense grass/weeds
Estimated  inverts from terrian
Estimated length and slope from aerials
d/s end conflicts with plans - field verified by BRW/CLR on 12/7/15 - see field notes
d/s invert updted to match pipe invert

-----------------------------------------------------------------------------------------------------
          Name: 13P1815             From Node: 13P1814N          Length(ft): 291.00
         Group: 13P                   To Node: 13P1815N               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
```

```
    Invert(ft): 77.650         74.940                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P1815USX     13P1815DSX                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

07/22/16:
inital stage from Survey - Lochrane 07/09/15 (NAVD 88)
ESA

-----------------------------------------------------------------------------------------------
          Name: 13P2250             From Node: PEARL              Length(ft): 436.00
         Group: 13P                   To Node: 13P2200N                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 87.960         87.530                                  Flow: Both
 TClpInitZ(ft): 88.770         88.650                     Contraction Coef: 0.100
   Manning's N:                                               Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: 13P2200X       13P2200X                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                            Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length updated to match aerials/terrain
updated xsec points from Lidar
updated Inverts and top clip ref elevations

=================================================================================
==== Drop Structures ============================================================
=================================================================================

         Name: 13A0730D            From Node: 13A0735P           Length(ft): 207.00
        Group: 13A                   To Node: 13A0725N                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                   Flow: Both
     Rise(in): 24.00          24.00                  Entrance Loss Coef: 0.200
   Invert(ft): 14.520         13.880                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13A0730D ***
                                                                                   TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 2.800
               Geometry: Rectangular            Orifice Disc Coef: 0.600

               Span(in): 48.00                        Invert(ft): 18.970
               Rise(in): 60.00                  Control Elev(ft): 18.970


-----------------------------------------------------------------------------------------------
         Name: 13A2210D            From Node: 13A2220P           Length(ft): 152.00
        Group: 13A                   To Node: 13A2200N                Count: 1
```

```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                               Flow: Both
     Rise(in): 24.00          24.00                  Entrance Loss Coef: 0.500
   Invert(ft): 24.860         20.710                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 2 for Drop Structure 13A2210D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 33.00                       Invert(ft): 30.330
               Rise(in): 30.48                  Control Elev(ft): 30.330

*** Weir 2 of 2 for Drop Structure 13A2210D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal               Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 2.800
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 36.96                       Invert(ft): 32.350
               Rise(in): 48.00                  Control Elev(ft): 32.350


-----------------------------------------------------------------------------------------------------
         Name: 13A2810D            From Node: 13A2820P           Length(ft): 75.00
        Group: 13A                   To Node: 13A2800N                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                               Flow: Both
     Rise(in): 42.00          42.00                  Entrance Loss Coef: 0.200
   Invert(ft): 28.950         28.920                     Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 33.7° bevels

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 3 for Drop Structure 13A2810D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 105.36                      Invert(ft): 35.380
               Rise(in): 999.00                 Control Elev(ft): 35.380

*** Weir 2 of 3 for Drop Structure 13A2810D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 73.44                       Invert(ft): 36.380
               Rise(in): 999.00                 Control Elev(ft): 36.380

*** Weir 3 of 3 for Drop Structure 13A2810D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
               Geometry: Rectangular           Orifice Disc Coef: 0.600
```

```
              Span(in): 15.00                       Invert(ft): 31.380
              Rise(in): 15.00                  Control Elev(ft): 31.380


-----------------------------------------------------------------------------------------------
         Name: 13A5310D            From Node: 13A5320P           Length(ft): 87.00
        Group: 13A                   To Node: 13A5300N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 45.070         44.890                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13A5310D ***
                                                                                      TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 26.40                       Invert(ft): 49.020
              Rise(in): 6.00                   Control Elev(ft): 49.020

*** Weir 2 of 2 for Drop Structure 13A5310D ***
                                                                                      TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.20                       Invert(ft): 50.740
              Rise(in): 24.00                  Control Elev(ft): 50.740


-----------------------------------------------------------------------------------------------
         Name: 13C0400D            From Node: 13C0500N           Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                  Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 9.620          9.350                          Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0400D ***
                                                                                      TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                       Invert(ft): 10.350
              Rise(in): 999.00                 Control Elev(ft): 10.350


-----------------------------------------------------------------------------------------------
         Name: 13C0401D            From Node: 13C0500N           Length(ft): 26.00
        Group: 13C                   To Node: 13C0300N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
```

```
     Span(in): 48.00          48.00                                  Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.500
   Invert(ft): 9.270          9.110                         Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting



*** Weir 1 of 1 for Drop Structure 13C0401D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 74.40                       Invert(ft): 11.610
              Rise(in): 999.00                 Control Elev(ft): 11.610


-----------------------------------------------------------------------------------------------------
         Name: 13F0600D            From Node: 13F0700N           Length(ft): 50.00
        Group: 13F                   To Node: 13F0400P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                  Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 47.770         46.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 4.000          4.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall



*** Weir 1 of 2 for Drop Structure 13F0600D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 49.910
              Rise(in): 9.24                   Control Elev(ft): 49.910

*** Weir 2 of 2 for Drop Structure 13F0600D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 49.910
              Rise(in): 9.24                   Control Elev(ft): 49.910


-----------------------------------------------------------------------------------------------------
         Name: 13F1200D            From Node: 13F1300P           Length(ft): 47.00
        Group: 13F                   To Node: 13F1000P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                    Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                  Flow: Both
     Rise(in): 18.00          18.00                     Entrance Loss Coef: 0.200
   Invert(ft): 51.250         51.020                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
```

Circular Concrete: Groove end w/ headwall

*** Weir 1 of 1 for Drop Structure 13F1200D ***

```
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 54.870
              Rise(in): 24.00                  Control Elev(ft): 54.870
```

```
         Name: 13H0120D            From Node: 13H0150P           Length(ft): 247.00
        Group: 13H                   To Node: HODGE                  Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 52.950         52.190                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

*** Weir 1 of 2 for Drop Structure 13H0120D ***

```
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 10.00                       Invert(ft): 53.990
              Rise(in): 10.00                  Control Elev(ft): 53.990
```

*** Weir 2 of 2 for Drop Structure 13H0120D ***

```
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 57.800
              Rise(in): 36.00                  Control Elev(ft): 57.800
```

```
         Name: 13H0320D            From Node: 13H0350P           Length(ft): 100.00
        Group: 13H                   To Node: IRENE-N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.200
   Invert(ft): 53.700         52.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

*** Weir 1 of 2 for Drop Structure 13H0320D ***

```
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600
```

```
              Span(in): 10.00                      Invert(ft): 54.520
              Rise(in): 10.00                 Control Elev(ft): 54.520

*** Weir 2 of 2 for Drop Structure 13H0320D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal               Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 54.00                      Invert(ft): 57.510
              Rise(in): 36.00                 Control Elev(ft): 57.510


-------------------------------------------------------------------------------------------------
         Name: 13I0605D            From Node: 13I0610P          Length(ft): 175.00
        Group: 13I                   To Node: FAIRY                 Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.200
   Invert(ft): 52.450         51.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 3 for Drop Structure 13I0605D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis          Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Circular             Orifice Disc Coef: 0.600

              Span(in): 4.00                       Invert(ft): 52.950
              Rise(in): 4.00                  Control Elev(ft): 52.950

*** Weir 2 of 3 for Drop Structure 13I0605D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Vertical: Mavis          Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 3.000
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 12.00                      Invert(ft): 54.550
              Rise(in): 40.80                 Control Elev(ft): 54.550

*** Weir 3 of 3 for Drop Structure 13I0605D ***
                                                                          TABLE
                 Count: 1                     Bottom Clip(in): 0.000
                  Type: Horizontal               Top Clip(in): 0.000
                  Flow: Both                   Weir Disc Coef: 2.600
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 49.00                      Invert(ft): 58.450
              Rise(in): 37.00                 Control Elev(ft): 58.450


-------------------------------------------------------------------------------------------------
         Name: 13I1400D            From Node: 13I1500P          Length(ft): 112.00
        Group: 13I                   To Node: EVERGRN               Count: 2

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.200
   Invert(ft): 54.450         53.950                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall
```

```
*** Weir 1 of 2 for Drop Structure 13I1400D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 144.00                      Invert(ft): 59.980
              Rise(in): 60.00                  Control Elev(ft): 59.980

*** Weir 2 of 2 for Drop Structure 13I1400D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 6.00                        Invert(ft): 57.950
              Rise(in): 6.00                   Control Elev(ft): 57.950


-----------------------------------------------------------------------------------------------
         Name: 13J2221D            From Node: 13J2221P          Length(ft): 138.00
        Group: 13J                   To Node: 13J2220P               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.200
   Invert(ft): 82.950         81.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13J2221D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 86.950
              Rise(in): 42.00                  Control Elev(ft): 86.950


-----------------------------------------------------------------------------------------------
         Name: 13J2222D            From Node: 13J2222P          Length(ft): 125.00
        Group: 13J                   To Node: 13J2221P               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                     Entrance Loss Coef: 0.200
   Invert(ft): 83.450         82.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall


*** Weir 1 of 1 for Drop Structure 13J2222D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 87.950
              Rise(in): 42.00                  Control Elev(ft): 87.950
```

```
-----------------------------------------------------------------------------------------------
         Name: 13J2233D            From Node: 13J2233P           Length(ft): 9.00
        Group: 13J                   To Node: 13J2232N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.200
   Invert(ft): 76.950         76.750                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall



*** Weir 1 of 1 for Drop Structure 13J2233D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 80.950
              Rise(in): 42.00                  Control Elev(ft): 80.950


-----------------------------------------------------------------------------------------------
         Name: 13K1125D            From Node: 13K1150P           Length(ft): 27.00
        Group: 13K                   To Node: 13K1100N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 14.00          14.00                     Entrance Loss Coef: 0.500
   Invert(ft): 59.150         59.200                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 2 for Drop Structure 13K1125D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 28.80                       Invert(ft): 61.030
              Rise(in): 11.28                  Control Elev(ft): 61.030

*** Weir 2 of 2 for Drop Structure 13K1125D ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 2.800
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 61.970
              Rise(in): 24.00                  Control Elev(ft): 61.970


-----------------------------------------------------------------------------------------------
         Name: 13K1800D            From Node: GRIFFIN            Length(ft): 215.00
        Group: 13K                   To Node: 13K1750N                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 72.750         71.820                        Exit Loss Coef: 0.000
```

```
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure 13K1800D ***
                                                                                          TABLE
                  Count: 1                      Bottom Clip(ft): 0.000
                   Type: Vertical: Mavis           Top Clip(ft): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Trapezoidal           Orifice Disc Coef: 0.600

       Bottom Width(ft): 8.70                         Invert(ft): 74.720
       Left Sd Slp(h/v): 1.78                   Control Elev(ft): 74.720
      Right Sd Slp(h/v): 1.72             Struct Opening Dim(ft): 999.00


-----------------------------------------------------------------------------------------------
         Name: 13L1800D            From Node: 13L1825N           Length(ft): 62.00
        Group: 13L                   To Node: QUEENS                 Count: 3

              UPSTREAM       DOWNSTREAM                  Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                  Flow: Both
     Rise(in): 48.00          48.00                      Entrance Loss Coef: 0.500
   Invert(ft): 50.620         50.450                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L1800D ***
                                                                                          TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 312.00                        Invert(ft): 52.390
              Rise(in): 999.00                  Control Elev(ft): 52.390


-----------------------------------------------------------------------------------------------
         Name: 13L1890D            From Node: POND7              Length(ft): 115.00
        Group: 13L                   To Node: 13L1825N                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                  Flow: Both
     Rise(in): 36.00          36.00                      Entrance Loss Coef: 0.500
   Invert(ft): 49.000         48.500                         Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 4 for Drop Structure 13L1890D ***
                                                                                          TABLE
                  Count: 2                      Bottom Clip(in): 0.000
                   Type: Horizontal                Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                         Invert(ft): 53.000
```

```
              Rise(in): 37.00                 Control Elev(ft): 53.000

*** Weir 2 of 4 for Drop Structure 13L1890D ***
                                                                                TABLE
                 Count: 2                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: None                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 42.00                       Invert(ft): 56.440
              Rise(in): 6.00                  Control Elev(ft): 56.440

*** Weir 3 of 4 for Drop Structure 13L1890D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: None                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 6.00                        Invert(ft): 52.040
              Rise(in): 6.00                  Control Elev(ft): 52.540

*** Weir 4 of 4 for Drop Structure 13L1890D ***
                                                                                TABLE
                 Count: 4                      Bottom Clip(in): 0.000
                  Type: Vertical: Fread           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 52.500
              Rise(in): 6.00                  Control Elev(ft): 52.500


-----------------------------------------------------------------------------------------------
         Name: 13L1900D            From Node: 13L1950P          Length(ft): 86.00
        Group: 13L                   To Node: 13L1875P               Count: 3

              UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Automatic
     Span(in): 76.00          76.00                                 Flow: Both
     Rise(in): 48.00          48.00                    Entrance Loss Coef: 0.500
   Invert(ft): 52.980         52.530                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L1900D ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Irregular             Orifice Disc Coef: 0.600

          Cross Section: 13L-W190                 Control Elev(ft): 54.500
             Invert(ft): 54.500             Struct Opening Dim(ft): 999.00


-----------------------------------------------------------------------------------------------
         Name: 13L2200D            From Node: 13L2300P          Length(ft): 146.00
        Group: 13L                   To Node: 13L2150N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                 Flow: Both
     Rise(in): 54.00          54.00                    Entrance Loss Coef: 0.500
   Invert(ft): 56.230         56.250                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```

```
*** Weir 1 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 27.60                       Invert(ft): 63.870
              Rise(in): 19.68                  Control Elev(ft): 63.870

*** Weir 2 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 79.20                       Invert(ft): 63.840
              Rise(in): 20.04                  Control Elev(ft): 63.840

*** Weir 3 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 43.20                       Invert(ft): 62.440
              Rise(in): 36.84                  Control Elev(ft): 62.440

*** Weir 4 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 22.80                       Invert(ft): 63.940
              Rise(in): 18.84                  Control Elev(ft): 63.940

*** Weir 5 of 5 for Drop Structure 13L2200D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 22.80                       Invert(ft): 63.940
              Rise(in): 18.84                  Control Elev(ft): 63.940


-----------------------------------------------------------------------------------------------
         Name: 13L2450D            From Node: OXFORD             Length(ft): 120.00
        Group: 13L                   To Node: 13L2400N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 54.00          54.00                                 Flow: Both
     Rise(in): 54.00          54.00                     Entrance Loss Coef: 0.500
   Invert(ft): 63.450         62.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L2450D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 68.450
              Rise(in): 18.00                  Control Elev(ft): 68.450

*** Weir 2 of 2 for Drop Structure 13L2450D ***
                                                                                    TABLE
```

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 52.00                       Invert(ft): 69.950
              Rise(in): 36.00                  Control Elev(ft): 69.950


-----------------------------------------------------------------------------------------------
         Name: 13L2530D            From Node: 13L2540P           Length(ft): 50.00
        Group: 13L                   To Node: OXFORD                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 68.950         68.950                         Exit Loss Coef: 0.000
  Manning's N: 0.024000       0.024000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular CMP: Headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Headwall



*** Weir 1 of 2 for Drop Structure 13L2530D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 12.00                       Invert(ft): 71.450
              Rise(in): 60.00                  Control Elev(ft): 71.450

*** Weir 2 of 2 for Drop Structure 13L2530D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 73.950
              Rise(in): 24.00                  Control Elev(ft): 73.950


-----------------------------------------------------------------------------------------------
         Name: 13L2550D            From Node: 13L2560P           Length(ft): 580.00
        Group: 13L                   To Node: OXFORD                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                                 Flow: Both
     Rise(in): 60.00          60.00                      Entrance Loss Coef: 0.500
   Invert(ft): 78.950         76.950                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13L2550D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 4.00                        Invert(ft): 83.950
              Rise(in): 18.00                  Control Elev(ft): 83.950

*** Weir 2 of 2 for Drop Structure 13L2550D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
```

```
                 Type: Horizontal                Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 2.800
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 36.00                       Invert(ft): 85.450
            Rise(in): 24.00                  Control Elev(ft): 85.450


-----------------------------------------------------------------------------------------------
         Name: 13L2710D            From Node: 13L2720P           Length(ft): 340.00
        Group: 13L                   To Node: 13L2700N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 12.00          12.00                                 Flow: Both
     Rise(in): 12.00          12.00                     Entrance Loss Coef: 0.500
   Invert(ft): 70.950         68.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting



*** Weir 1 of 1 for Drop Structure 13L2710D ***
                                                                                        TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                 Type: Vertical: Mavis             Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 168.00                      Invert(ft): 72.550
            Rise(in): 999.00                 Control Elev(ft): 72.550


-----------------------------------------------------------------------------------------------
         Name: 13L3200D            From Node: 13P1800P           Length(ft): 460.00
        Group: 13L                   To Node: 13L3100N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 68.00          68.00                                 Flow: Both
     Rise(in): 43.00          43.00                     Entrance Loss Coef: 0.200
   Invert(ft): 74.820         73.620                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Groove end with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall



*** Weir 1 of 1 for Drop Structure 13L3200D ***
                                                                                        TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                 Type: Vertical: Mavis             Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.000
            Geometry: Rectangular           Orifice Disc Coef: 0.600

            Span(in): 108.00                      Invert(ft): 77.250
            Rise(in): 999.00                 Control Elev(ft): 77.250


-----------------------------------------------------------------------------------------------
         Name: 13M0200D            From Node: 13M0300N           Length(ft): 168.00
        Group: 13M                   To Node: 13L0400N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 60.00          60.00                                 Flow: Both
     Rise(in): 36.00          36.00                     Entrance Loss Coef: 0.500
   Invert(ft): 48.580         48.500                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

*** Weir 1 of 1 for Drop Structure 13M0200D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 63.60                       Invert(ft): 50.750
              Rise(in): 21.96                  Control Elev(ft): 50.750
```

```
         Name: 13M0980D            From Node: 13M0990P           Length(ft): 23.00
        Group: 13M                   To Node: 13M0970N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                  Flow: Both
     Rise(in): 24.00          24.00                      Entrance Loss Coef: 0.500
   Invert(ft): 52.370         51.970                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

*** Weir 1 of 1 for Drop Structure 13M0980D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                       Invert(ft): 57.640
              Rise(in): 24.00                  Control Elev(ft): 57.640
```

```
         Name: 13M1510D            From Node: 13M1520P           Length(ft): 50.00
        Group: 13M                   To Node: 13M1500N                Count: 1

               UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                      Entrance Loss Coef: 0.500
   Invert(ft): 55.450         55.400                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure 13M1510D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 12.00                       Invert(ft): 59.950
              Rise(in): 6.00                   Control Elev(ft): 59.950
```

*** Weir 2 of 2 for Drop Structure 13M1510D ***

TABLE

```
                 Count: 1                      Bottom Clip(in): 0.000
```

```
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 37.00                       Invert(ft): 60.950
             Rise(in): 24.00                  Control Elev(ft): 60.950


-----------------------------------------------------------------------------------------------
         Name: 13M1900D            From Node: 13M1925P           Length(ft): 80.00
        Group: 13M                   To Node: CONCORD                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                 Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 59.950         59.950                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure 13M1900D ***
                                                                                      TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 24.00                       Invert(ft): 60.950
             Rise(in): 12.00                  Control Elev(ft): 60.950

*** Weir 2 of 2 for Drop Structure 13M1900D ***
                                                                                      TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 37.00                       Invert(ft): 63.950
             Rise(in): 24.00                  Control Elev(ft): 63.950


-----------------------------------------------------------------------------------------------
         Name: 13M2330D            From Node: 13M2330P           Length(ft): 237.00
        Group: 13M                   To Node: 13M2333N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 63.440         62.920                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1037_SD (NGVD 29)
Outfall structure S-33 to S-36
Assumed Type C Inlet

*** Weir 1 of 2 for Drop Structure 13M2330D ***
                                                                                      TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 37.00                       Invert(ft): 66.410
             Rise(in): 24.00                  Control Elev(ft): 66.410

*** Weir 2 of 2 for Drop Structure 13M2330D ***
```

```
                                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 4.00                        Invert(ft): 65.250
              Rise(in): 4.00                   Control Elev(ft): 65.250


-----------------------------------------------------------------------------------------------
         Name: 13M2360D            From Node: QUAIL              Length(ft): 326.00
        Group: 13M                   To Node: CONCORD                 Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 8.00           8.00                                 Flow: Both
     Rise(in): 8.00           8.00                      Entrance Loss Coef: 0.500
   Invert(ft): 61.590         56.110                        Exit Loss Coef: 1.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

added
8" PVCfield verified by BRW/CLR on 12/7/15 - see field notes
dimensions of TOG and weir from field
length and inverts from infrastrucuture
City of Casselberry Infrastructure (Assume NGVD 29)
 assumed d/s is MES

*** Weir 1 of 2 for Drop Structure 13M2360D ***
                                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 37.00                       Invert(ft): 65.610
              Rise(in): 24.00                  Control Elev(ft): 65.610

*** Weir 2 of 2 for Drop Structure 13M2360D ***
                                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 8.00                        Invert(ft): 61.940
              Rise(in): 8.00                   Control Elev(ft): 61.940


-----------------------------------------------------------------------------------------------
         Name: 13N0100D            From Node: 13N0100P           Length(ft): 73.00
        Group: 13N                   To Node: 13N0150N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Most Restrictive
     Span(in): 38.00          38.00                                Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 50.450         50.960                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure D110 to D110A
GCS_1048_SD (Assumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated


*** Weir 1 of 2 for Drop Structure 13N0100D ***
                                                                                                TABLE
```

```
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 52.040
              Rise(in): 3.00                  Control Elev(ft): 52.040

*** Weir 2 of 2 for Drop Structure 13N0100D ***
                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 40.00                       Invert(ft): 53.270
              Rise(in): 26.00                 Control Elev(ft): 53.270


-------------------------------------------------------------------------------------------------
         Name: 13N0200D            From Node: 13N0200P           Length(ft): 49.00
        Group: 13N                   To Node: 13N0250N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                     Entrance Loss Coef: 0.500
   Invert(ft): 50.960         50.990                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

D114 to D115
GCS_1048_SD (Assaumed NAVD 88)
Structure dimensions from Casselberry City Infrastructure
Orifice dimensions estimated


*** Weir 1 of 2 for Drop Structure 13N0200D ***
                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 36.00                       Invert(ft): 54.880
              Rise(in): 28.00                 Control Elev(ft): 54.880

*** Weir 2 of 2 for Drop Structure 13N0200D ***
                                                                      TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 3.00                        Invert(ft): 54.010
              Rise(in): 3.00                  Control Elev(ft): 54.010


-------------------------------------------------------------------------------------------------
         Name: 13N0301D            From Node: 13N0301P           Length(ft): 750.00
        Group: 13N                   To Node: 13N0200P                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 53.100         51.790                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Revision
```

GCS_1048_SD (Assaumed NAVD 88)
D100
Assumed Type D Inlet

*** Weir 1 of 1 for Drop Structure 13N0301D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.200
Geometry: Rectangular         Orifice Disc Coef: 0.600

Span(in): 49.00                     Invert(ft): 57.990
Rise(in): 37.00                Control Elev(ft): 57.990
```

```
         Name: 13N0750D           From Node: 13N0750P          Length(ft): 500.00
        Group: 13N                  To Node: 13N0700P               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.500
   Invert(ft): 52.430         53.630                       Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Added
From field recon by BRW/CLR on 12/7/15 - see field notes
length of pipe estimated from aerials
d/s outfall location/invert/type assumed
TOG about ground level - u/s pipe invert measured from TOG in field

*** Weir 1 of 1 for Drop Structure 13N0750D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.200
Geometry: Rectangular         Orifice Disc Coef: 0.600

Span(in): 79.00                     Invert(ft): 55.180
Rise(in): 36.00                Control Elev(ft): 55.180
```

```
         Name: 13P2300D           From Node: 13P2300P          Length(ft): 1010.00
        Group: 13P                  To Node: 13P2350N               Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.500
   Invert(ft): 84.600         83.600                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
DS-2 to S-100: See sheets 100, 99,103, 58
Estimated length from aerials
GCS_1040_CP (NAVD 88) - no asbuilts available at this time

*** Weir 1 of 2 for Drop Structure 13P2300D ***

TABLE

```
   Count: 1                    Bottom Clip(in): 0.000
    Type: Horizontal              Top Clip(in): 0.000
    Flow: Both                  Weir Disc Coef: 3.200
Geometry: Rectangular         Orifice Disc Coef: 0.600

Span(in): 54.00                     Invert(ft): 88.470
Rise(in): 36.00                Control Elev(ft): 88.470
```

```
*** Weir 2 of 2 for Drop Structure 13P2300D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 24.00                       Invert(ft): 87.800
              Rise(in): 6.00                  Control Elev(ft): 87.800


-----------------------------------------------------------------------------------------------
         Name: 13P3400D            From Node: 13P3400P           Length(ft): 502.00
        Group: 13P                   To Node: 13P3450N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 88.250         85.950                        Exit Loss Coef: 0.000
  Manning's N: 0.012000       0.012000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Lowe's Primary Outfall (S-38)

*** Weir 1 of 2 for Drop Structure 13P3400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 91.300
              Rise(in): 37.00                 Control Elev(ft): 91.300

*** Weir 2 of 2 for Drop Structure 13P3400D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 4.50                        Invert(ft): 88.250
              Rise(in): 4.50                  Control Elev(ft): 88.750


-----------------------------------------------------------------------------------------------
         Name: 13Q0810D            From Node: 13Q0820P           Length(ft): 84.00
        Group: 13Q                   To Node: 13Q0821N                Count: 2

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                     Entrance Loss Coef: 0.500
   Invert(ft): 84.160         83.900                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          1.000                          Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope

Structures S-125/S-125A
GCS_1046_SD
GCS_1049_CD (outfall dimensions - Sheet 75)
US/DS Inverts from Casselberry City Infrstructure (Assumed NAVD 88)
Type D Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                 Count: 2                      Bottom Clip(ft): 0.000
                  Type: Vertical: Mavis           Top Clip(ft): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Irregular             Orifice Disc Coef: 0.600
```

```
          Cross Section: 13Q-W081              Control Elev(ft): 86.480
             Invert(ft): 86.480          Struct Opening Dim(ft): 999.00

*** Weir 2 of 2 for Drop Structure 13Q0810D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 49.00                       Invert(ft): 87.680
              Rise(in): 37.00                  Control Elev(ft): 87.680


-----------------------------------------------------------------------------------------------
         Name: 13Q0820D            From Node: 13Q0820P           Length(ft): 76.00
        Group: 13Q                   To Node: 13Q0821N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Horz Ellipse   Horz Ellipse               Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                  Flow: Both
     Rise(in): 19.00          19.00                      Entrance Loss Coef: 0.500
   Invert(ft): 84.670         84.410                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Structure S-123
GCS_1046_SD
GCS_1049_CP (for outfall dimensions)
Inverts from Casselberry City Infrastructure (Assumed NAVD 88)
Type E Modified Inlet

*** Weir 1 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 87.700
              Rise(in): 36.00                  Control Elev(ft): 87.700

*** Weir 2 of 2 for Drop Structure 13Q0820D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Circular              Orifice Disc Coef: 0.600

              Span(in): 8.00                        Invert(ft): 85.300
              Rise(in): 8.00                   Control Elev(ft): 85.800


-----------------------------------------------------------------------------------------------
         Name: 13Q0850D            From Node: 13Q0860P           Length(ft): 46.00
        Group: 13Q                   To Node: 13Q0861N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                   Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                      Entrance Loss Coef: 0.500
   Invert(ft): 86.230         86.140                         Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                     Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                         Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                           Solution Incs: 0

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
Changed To Node from 13Q0840P to 13Q0861N
Updated to match Casselberry City Infrstructure
```

```
*** Weir 1 of 1 for Drop Structure 13Q0850D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.000
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 54.00                       Invert(ft): 87.780
              Rise(in): 40.00                  Control Elev(ft): 87.780


-----------------------------------------------------------------------------------------------
         Name: 13Q0870D            From Node: 13Q0870P           Length(ft): 80.00
        Group: 13Q                   To Node: 13Q0875N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 18.00          18.00                                  Flow: Both
     Rise(in): 18.00          18.00                     Entrance Loss Coef: 0.500
   Invert(ft): 82.450         85.000                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Added
Field Recon by BRW/CLR on 12/7/15 - see field notes
estimated length from aerials
estimated weir inverts measuring to TOG (elevation at ground level)
assumed an u/s invert based on weir slot elevation
estimated d/s invert from other inverts at MH

*** Weir 1 of 2 for Drop Structure 13Q0870D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 48.00                       Invert(ft): 87.840
              Rise(in): 36.00                  Control Elev(ft): 87.840

*** Weir 2 of 2 for Drop Structure 13Q0870D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular           Orifice Disc Coef: 0.600

              Span(in): 20.00                       Invert(ft): 86.170
              Rise(in): 20.00                  Control Elev(ft): 86.170


-----------------------------------------------------------------------------------------------
         Name: 13Q2291D            From Node: 13Q2291N           Length(ft): 450.00
        Group: 13Q                   To Node: 13Q2292N                Count: 1

              UPSTREAM       DOWNSTREAM                  Friction Equation: Automatic
     Geometry: Circular       Circular                  Solution Algorithm: Most Restrictive
     Span(in): 15.00          15.00                                  Flow: Both
     Rise(in): 15.00          15.00                     Entrance Loss Coef: 0.500
   Invert(ft): 78.370         76.970                        Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Revision
GCS_1041_CP (NGVD 29)
PDF PG 23
Control Structure Basin 1

*** Weir 1 of 2 for Drop Structure 13Q2291D ***
                                                                                    TABLE
                 Count: 1                      Bottom Clip(ft): 0.000
```

```
                  Type: Vertical: Mavis            Top Clip(ft): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
             Geometry: Irregular             Orifice Disc Coef: 0.600

         Cross Section: 13Q2291X              Control Elev(ft): 81.250
            Invert(ft): 81.250           Struct Opening Dim(ft): 9999.00

*** Weir 2 of 2 for Drop Structure 13Q2291D ***
                                                                        TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
             Geometry: Circular              Orifice Disc Coef: 0.600

             Span(in): 3.00                         Invert(ft): 77.450
             Rise(in): 3.00                   Control Elev(ft): 77.950


-----------------------------------------------------------------------------------------------
         Name: POND1D              From Node: POND1              Length(ft): 500.00
        Group: 13P                   To Node: 13P0401N                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
   Invert(ft): 61.000         59.000                       Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.130000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 2 for Drop Structure POND1D ***
                                                                        TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                        Invert(ft): 70.000
             Rise(in): 37.00                  Control Elev(ft): 70.000

*** Weir 2 of 2 for Drop Structure POND1D ***
                                                                        TABLE
                 Count: 2                       Bottom Clip(in): 0.000
                  Type: Vertical: Fread            Top Clip(in): 0.000
                  Flow: None                     Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                        Invert(ft): 70.000
             Rise(in): 6.00                   Control Elev(ft): 70.000


-----------------------------------------------------------------------------------------------
         Name: POND2D              From Node: POND2              Length(ft): 325.00
        Group: 13L                   To Node: TRIPLT-M                Count: 1

              UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
   Invert(ft): 47.000         46.000                       Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular CMP: Mitered to slope



*** Weir 1 of 2 for Drop Structure POND2D ***
                                                                        TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
```

```
                 Flow: Both                    Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                       Invert(ft): 51.500
             Rise(in): 37.00                  Control Elev(ft): 51.500

*** Weir 2 of 2 for Drop Structure POND2D ***
                                                                      TABLE
                Count: 2                     Bottom Clip(in): 0.000
                 Type: Vertical: Fread          Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                       Invert(ft): 51.000
             Rise(in): 6.00                   Control Elev(ft): 51.000


-----------------------------------------------------------------------------------------------
        Name: POND5D             From Node: POND5             Length(ft): 800.00
       Group: 13N                  To Node: 13N0601N               Count: 1

             UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
    Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
    Span(in): 36.00          36.00                                Flow: Both
    Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.000
  Invert(ft): 57.000         55.000                       Exit Loss Coef: 1.000
 Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure POND5D ***
                                                                      TABLE
                Count: 1                     Bottom Clip(in): 0.000
                 Type: Horizontal               Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                       Invert(ft): 61.500
             Rise(in): 37.00                  Control Elev(ft): 61.500

*** Weir 2 of 2 for Drop Structure POND5D ***
                                                                      TABLE
                Count: 1                     Bottom Clip(in): 0.000
                 Type: Vertical: Fread          Top Clip(in): 0.000
                 Flow: Both                    Weir Disc Coef: 3.200
             Geometry: Rectangular           Orifice Disc Coef: 0.600

             Span(in): 49.00                       Invert(ft): 61.000
             Rise(in): 6.00                   Control Elev(ft): 61.000


=================================================================================
==== Weirs ======================================================================
=================================================================================

        Name: 12-0102X           From Node: 12-01-02
       Group: 12                   To Node: 13C0600N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Parabolic

             Top Width(ft): 300.00
          Corres Depth(ft): 0.90
                Invert(ft): 18.850
     Control Elevation(ft): 18.850
    Struct Opening Dim(ft): 999.00
                                        TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.500
    Orifice Discharge Coef: 0.600

MAINTENANCE/ACCESS ROAD

-----------------------------------------------------------------------------------------------
        Name: 13A0400B           From Node: 13A0500N
       Group: 13A                  To Node: 13A0300N
        Flow: Both                   Count: 1
```

```
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13A-B04X
                  Invert(ft): 4.650
       Control Elevation(ft): 4.650
      Struct Opening Dim(ft): 14.58
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A0730W            From Node: 13A0735P
        Group: 13A                   To Node: 13A0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                      Span(in): 240.00
                      Rise(in): 999.00
                  Invert(ft): 24.250
       Control Elevation(ft): 24.250
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A0810W            From Node: 13A0820P
        Group: 13A                   To Node: 13A0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                      Span(in): 1200.00
                      Rise(in): 999.00
                  Invert(ft): 21.950
       Control Elevation(ft): 21.950
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A2000B            From Node: 13A2100N
        Group: 13A                   To Node: 13A1900N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13A-B20X
                  Invert(ft): 19.850
       Control Elevation(ft): 19.850
      Struct Opening Dim(ft): 5.58
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A2325B            From Node: 13A2350N
        Group: 13A                   To Node: 13A2300N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                         XSec: 13A-B23X
                  Invert(ft): 20.550
       Control Elevation(ft): 20.550
      Struct Opening Dim(ft): 10.30
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: 13A2500B            From Node: 13A2600N
        Group: 13A                   To Node: 13A2400N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13A-B25X
                 Invert(ft): 22.750
       Control Elevation(ft): 22.750
      Struct Opening Dim(ft): 8.24
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13A3310W            From Node: 13A3320P
        Group: 13A                   To Node: 13A3300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 960.00
                     Rise(in): 999.00
                 Invert(ft): 41.950
       Control Elevation(ft): 41.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13A3410W            From Node: 13A3420P
        Group: 13A                   To Node: 13A3400N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                     Span(in): 720.00
                     Rise(in): 999.00
                 Invert(ft): 48.750
       Control Elevation(ft): 48.750
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13A3430W            From Node: 13A3440P
        Group: 13A                   To Node: 13A3420P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13A-W343
                 Invert(ft): 50.450
       Control Elevation(ft): 50.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: 13A3905W            From Node: 13A3910P
        Group: 13A                   To Node: 13A3900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13A-W390
                 Invert(ft): 39.150
       Control Elevation(ft): 39.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A3915W            From Node: 13A3920P
        Group: 13A                   To Node: 13A3900N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 4800.00
                    Rise(in): 999.00
                  Invert(ft): 40.950
       Control Elevation(ft): 40.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4110W            From Node: 13A4120P
        Group: 13A                   To Node: 13A4100N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 40.950
       Control Elevation(ft): 40.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4500W            From Node: 13A4600N
        Group: 13A                   To Node: 13A4400N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A4500X
                  Invert(ft): 40.550
       Control Elevation(ft): 40.550
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A4900B            From Node: 13A5000N
        Group: 13A                   To Node: 13A4800N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13A-B49X
                  Invert(ft): 41.850
       Control Elevation(ft): 41.850
      Struct Opening Dim(ft): 6.71
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13A5310W            From Node: 13A5320P
        Group: 13A                   To Node: 13A5300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
```

```
                  Rise(in): 999.00
                Invert(ft): 51.650
      Control Elevation(ft): 51.650
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A5700B            From Node: 13A5800N
       Group: 13A                   To Node: 13A5600N
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13A-B57X
                Invert(ft): 47.230
      Control Elevation(ft): 47.230
     Struct Opening Dim(ft): 3.98
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A5900W            From Node: 13A6000P
       Group: 13A                   To Node: 13A5800N
        Flow: Both                    Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                      XSec: 13A-W590
                Invert(ft): 48.640
      Control Elevation(ft): 48.640
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13A5910W            From Node: 13A6000P
       Group: 13A                   To Node: 13A5500N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 180.00
                   Rise(in): 999.00
                Invert(ft): 52.450
      Control Elevation(ft): 52.450
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13B0200W            From Node: 13B0200N
       Group: 13B                   To Node: 13A0300N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13B0200X
                Invert(ft): 13.950
      Control Elevation(ft): 13.950
     Struct Opening Dim(ft): 999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13C1350W_1          From Node: 13C1350N
```

```
        Group: 13C                  To Node: 13C1300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_2          From Node: 13C1350N
        Group: 13C                  To Node: 13C1300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_3          From Node: 13C1350N
        Group: 13C                  To Node: 13C1300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C1350W_4          From Node: 13C1350N
        Group: 13C                  To Node: 13C1300N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 300.00
                    Rise(in): 999.00
                  Invert(ft): 27.550
       Control Elevation(ft): 27.550
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13C2300W            From Node: 13C2400P
        Group: 13C                  To Node: 13C2200P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 15.50
                    Rise(in): 15.50
                  Invert(ft): 30.980
       Control Elevation(ft): 30.980
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13C2301W           From Node: 13C2400P
       Group: 13C                  To Node: 13C2200P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13C-W230
                 Invert(ft): 35.480
      Control Elevation(ft): 35.480
     Struct Opening Dim(ft): 999.00
                                            TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13D0150W           From Node: 13D0150N
       Group: 13D                  To Node: 13A2750N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 4800.00
                   Rise(in): 999.00
                 Invert(ft): 33.550
      Control Elevation(ft): 33.550
                                            TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13D0160W           From Node: 13D0170P
       Group: 13D                  To Node: 13D0150N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 69.60
                   Rise(in): 999.00
                 Invert(ft): 30.960
      Control Elevation(ft): 30.960
                                            TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13F0405W_1         From Node: 13F0410P
       Group: 13F                  To Node: 13F0400P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13F-W041
                 Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                            TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13F0405W_2         From Node: 13F0410P
       Group: 13F                  To Node: 13F0400P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13F-W041
                 Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F0435W           From Node: 13F0440P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13F-W044
                  Invert(ft): 47.950
      Control Elevation(ft): 47.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F0445W           From Node: 13F0450P
        Group: 13F                  To Node: 13F0400P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 720.00
                    Rise(in): 999.00
                  Invert(ft): 50.950
      Control Elevation(ft): 50.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F1200W           From Node: 13F1300P
        Group: 13F                  To Node: 13F1000P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 2856.00
                    Rise(in): 999.00
                  Invert(ft): 55.150
      Control Elevation(ft): 55.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13F1374W           From Node: 13F1374P
        Group: 13F                  To Node: 13F1378P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 64.950
      Control Elevation(ft): 64.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13G0550W           From Node: 13G0500N
        Group: 13G                  To Node: 13G1200P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular
```

```
                    XSec: 13G0550X
              Invert(ft): 48.150
     Control Elevation(ft): 48.150
    Struct Opening Dim(ft): 999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13G1000W           From Node: 13G1200P
       Group: 13G                  To Node: 13A5200N
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                    XSec: 13G1000X
              Invert(ft): 45.850
     Control Elevation(ft): 45.850
    Struct Opening Dim(ft): 999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13G2200W           From Node: 13G1200P
       Group: 13G                  To Node: 13G2100N
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                    XSec: 13G2200X
              Invert(ft): 46.850
     Control Elevation(ft): 46.850
    Struct Opening Dim(ft): 999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13H0100W           From Node: HODGE
       Group: 13H                  To Node: 13A5500N
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                    XSec: 13H0100X
              Invert(ft): 53.050
     Control Elevation(ft): 53.050
    Struct Opening Dim(ft): 999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13H0200W           From Node: IRENE-S
       Group: 13H                  To Node: HODGE
        Flow: Both                   Count: 1
        Type: Vertical: Fread     Geometry: Irregular

                    XSec: 13H0200X
              Invert(ft): 64.850
     Control Elevation(ft): 64.850
    Struct Opening Dim(ft): 999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 2.800
    Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
        Name: 13I0630W           From Node: LWILDMER
       Group: 13I                  To Node: WILDMERE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

              Top Width(ft): 120.00
           Corres Depth(ft): 0.90
                 Invert(ft): 63.050
      Control Elevation(ft): 63.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13I1210W           From Node: JANE
       Group: 13I                  To Node: WILDMERE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 660.00
                   Rise(in): 999.00
                 Invert(ft): 66.050
      Control Elevation(ft): 66.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13I1250W           From Node: EVERGRN
       Group: 13I                  To Node: WILDMERE
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13I1250X
                 Invert(ft): 57.050
      Control Elevation(ft): 57.050
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13I1512W           From Node: 13I1512N
       Group: 13I                  To Node: 13I1510N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 66.050
      Control Elevation(ft): 66.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
        Name: 13I1514W           From Node: 13I1514P
       Group: 13I                  To Node: 13I1506N
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 65.950
      Control Elevation(ft): 65.950
                                          TABLE
            Bottom Clip(in): 0.000
```

```
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J0315W            From Node: 13J0320N
        Group: 13J                   To Node: 13J0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Horz Ellipse

                    Span(in): 72.00
                    Rise(in): 47.00
                  Invert(ft): 59.150
       Control Elevation(ft): 59.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J0316W            From Node: 13J0320N
        Group: 13J                   To Node: 13J0300N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 13.00
        Left Side Slope(h/v): 7.50
       Right Side Slope(h/v): 7.50
                  Invert(ft): 64.550
       Control Elevation(ft): 64.550
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J0700W            From Node: 13J0700N
        Group: 13J                   To Node: 13J0640N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 76.050
       Control Elevation(ft): 76.050
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J1805W            From Node: 13J1800N
        Group: 13J                   To Node: JANE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
           Corres Depth(ft): 1.80
                  Invert(ft): 77.150
       Control Elevation(ft): 77.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J1810W            From Node: 13J1820P
        Group: 13J                   To Node: 13J1800N
         Flow: Both                    Count: 1
```

```
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 3240.00
                    Rise(in): 999.00
                  Invert(ft): 82.050
       Control Elevation(ft): 82.050
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2221W            From Node: 13J2221P
        Group: 13J                   To Node: 13J2220P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 2640.00
                    Rise(in): 999.00
                  Invert(ft): 87.450
       Control Elevation(ft): 87.450
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2222W            From Node: 13J2222P
        Group: 13J                   To Node: 13J2221P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 65.00
        Left Side Slope(h/v): 173.33
       Right Side Slope(h/v): 16.00
                  Invert(ft): 89.200
       Control Elevation(ft): 89.200
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2232W            From Node: 13J2232N
        Group: 13J                   To Node: 13J2200P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 144.00
                    Rise(in): 6.00
                  Invert(ft): 81.450
       Control Elevation(ft): 81.450
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13J2233W            From Node: 13J2233P
        Group: 13J                   To Node: 13J2232N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 81.850
       Control Elevation(ft): 81.850
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: 13J2234W           From Node: 13J2234P
       Group: 13J                  To Node: 13J2233P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 72.00
                   Rise(in): 999.00
                 Invert(ft): 82.450
      Control Elevation(ft): 82.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K0830W           From Node: 13K0900P
       Group: 13K                  To Node: 13K0820N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 6.50
                   Rise(in): 12.60
                 Invert(ft): 61.580
      Control Elevation(ft): 61.580
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K0831W           From Node: 13K0900P
       Group: 13K                  To Node: 13K0820N
        Flow: Both                   Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 36.00
                   Rise(in): 54.00
                 Invert(ft): 62.630
      Control Elevation(ft): 62.630
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K0870W           From Node: 13K0900P
       Group: 13K                  To Node: 13K0860N
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 6.50
                   Rise(in): 12.60
                 Invert(ft): 61.070
      Control Elevation(ft): 61.070
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K0871W           From Node: 13K0900P
       Group: 13K                  To Node: 13K0860N
        Flow: Both                   Count: 1
        Type: Horizontal           Geometry: Rectangular

                   Span(in): 36.00
                   Rise(in): 54.00
                 Invert(ft): 62.120
      Control Elevation(ft): 62.120
```

```
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1175W           From Node: 13K1300N
        Group: 13K                  To Node: 13K1150P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 62.450
       Control Elevation(ft): 62.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1700W           From Node: 13K1750N
        Group: 13K                  To Node: 13K1600N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13K-W170
                 Invert(ft): 72.000
       Control Elevation(ft): 72.000
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K1710W           From Node: 13K1750N
        Group: 13K                  To Node: 13K1500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 75.510
       Control Elevation(ft): 75.510
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K2220W           From Node: 13K2240P
        Group: 13K                  To Node: TROUT
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 999.00
                 Invert(ft): 79.950
       Control Elevation(ft): 79.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13K3000W           From Node: 13K3050P
        Group: 13K                  To Node: GRIFFIN
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular
```

```
                     XSec: 13K_SJ30
               Invert(ft): 77.900
      Control Elevation(ft): 77.900
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K3100W           From Node: 13K3200P
       Group: 13K                  To Node: 13K3050P
        Flow: Both                   Count: 1
        Type: Vertical: Mavis      Geometry: Rectangular

                  Span(in): 84.00
                  Rise(in): 28.80
               Invert(ft): 79.550
      Control Elevation(ft): 79.550
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 3.000
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K3101W           From Node: 13K3200P
       Group: 13K                  To Node: 13K3050P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 2400.00
                  Rise(in): 999.00
               Invert(ft): 81.950
      Control Elevation(ft): 81.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K4000W           From Node: 13K4050P
       Group: 13K                  To Node: GRIFFIN
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                     XSec: 13K_SJ40
               Invert(ft): 78.150
      Control Elevation(ft): 78.150
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.400
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: 13K4025W           From Node: 13K4050P
       Group: 13K                  To Node: 13K3050P
        Flow: Both                   Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                     XSec: 13K_SJ35
               Invert(ft): 77.950
      Control Elevation(ft): 77.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
         Name: 13K4325W            From Node: 13K4400P
        Group: 13K                   To Node: 13K4200P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 0.00
       Left Side Slope(h/v): 62.50
      Right Side Slope(h/v): 100.00
                  Invert(ft): 82.150
      Control Elevation(ft): 82.150
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: 13L0031W            From Node: 13L0020N
        Group: 13L                   To Node: 13L0040P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 480.00
                    Rise(in): 999.00
                  Invert(ft): 53.950
      Control Elevation(ft): 53.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: 13L0810W            From Node: 13L0820P
        Group: 13L                   To Node: TRIPLT-N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L-W082
                  Invert(ft): 50.750
      Control Elevation(ft): 50.750
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Revision of xsec to match terrain
Revised type from Vertical: Mavis Equation


--------------------------------------------------------------------------------------------------
         Name: 13L0900B            From Node: TRIPLT-M
        Group: 13L                   To Node: TRIPLT-N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                       XSec: 13L-B09X
                  Invert(ft): 48.350
      Control Elevation(ft): 48.350
     Struct Opening Dim(ft): 8.72
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: 13L1200W            From Node: TRIPLT-S
        Group: 13L                   To Node: TRIPLT-M
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 52.200
```

```
       Control Elevation(ft): 52.200
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revision
Added - overtopping weir for paved golf cart path

-----------------------------------------------------------------------------------------------
         Name: 13L1202W           From Node: 13L1202N
        Group: GEE                  To Node: 13L1203N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1202XW
                  Invert(ft): 59.960
       Control Elevation(ft): 59.960
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

DEM


-----------------------------------------------------------------------------------------------
         Name: 13L1500B           From Node: 13L1600N
        Group: 13L                  To Node: 13L1400N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B15X
                  Invert(ft): 49.250
       Control Elevation(ft): 49.250
      Struct Opening Dim(ft): 6.23
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1850B           From Node: 13L1875P
        Group: 13L                  To Node: 13L1825N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B18X
                  Invert(ft): 50.750
       Control Elevation(ft): 50.750
      Struct Opening Dim(ft): 4.50
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1890W_1         From Node: POND7
        Group: 13L                  To Node: QUEENS
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1890XW1
                  Invert(ft): 56.560
       Control Elevation(ft): 56.560
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

-----------------------------------------------------------------------------------------------
         Name: 13L1890W_2         From Node: POND7
```

```
        Group: 13L                  To Node: 13L1825N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 57.000
       Control Elevation(ft): 57.000
      Struct Opening Dim(ft): 9999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
         Name: 13L1925W            From Node: 13L1950P
        Group: 13L                  To Node: 13L1895P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W192
                  Invert(ft): 54.970
       Control Elevation(ft): 54.970
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert

-----------------------------------------------------------------------------------------------
         Name: 13L1945W            From Node: 13L1950P
        Group: 13L                  To Node: 13L1875P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L1945X
                  Invert(ft): 58.590
       Control Elevation(ft): 58.590
      Struct Opening Dim(ft): 9999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
xsec points estimated from terrain



-----------------------------------------------------------------------------------------------
         Name: 13L1960B            From Node: 13L1975P
        Group: 13L                  To Node: 13L1950P
         Flow: None                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B19X
                  Invert(ft): 52.950
       Control Elevation(ft): 52.950
      Struct Opening Dim(ft): 2.65
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L1965W            From Node: 13L1975P
        Group: 13L                  To Node: 13L1950P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L-W196
                  Invert(ft): 55.450
       Control Elevation(ft): 55.450
      Struct Opening Dim(ft): 999.00
```

```
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.620



-----------------------------------------------------------------------------------------------
         Name: 13L1975W           From Node: 13L1975P
        Group: 13L                  To Node: POND8A
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 10.00
        Left Side Slope(h/v): 4.00
       Right Side Slope(h/v): 4.00
                  Invert(ft): 56.000
       Control Elevation(ft): 56.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2000B           From Node: 13L2050P
        Group: 13L                  To Node: 13L1975P
         Flow: None                   Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13L-B20X
                  Invert(ft): 53.310
       Control Elevation(ft): 53.310
      Struct Opening Dim(ft): 2.81
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2050W           From Node: 13L2050P
        Group: 13L                  To Node: POND8B
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 20.00
        Left Side Slope(h/v): 4.00
       Right Side Slope(h/v): 4.00
                  Invert(ft): 56.000
       Control Elevation(ft): 56.000
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2300W           From Node: 13L2300P
        Group: 13L                  To Node: 13L2150N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L2300X
                  Invert(ft): 67.260
       Control Elevation(ft): 67.260
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
```

```
         Name: 13L2400W           From Node: 13L2400N
        Group: 13L                  To Node: 13L2300P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13L2400XW
                  Invert(ft): 71.830
       Control Elevation(ft): 71.830
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping road

-----------------------------------------------------------------------------------------------
         Name: 13L2451W           From Node: OXFORD
        Group: 13L                  To Node: 13L2400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
            Corres Depth(ft): 0.50
                  Invert(ft): 73.450
       Control Elevation(ft): 73.450
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2510W           From Node: 13L2520P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 48.00
                    Rise(in): 999.00
                  Invert(ft): 76.950
       Control Elevation(ft): 76.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised Type from Vertical: Mavis Equation based on aerial

-----------------------------------------------------------------------------------------------
         Name: 13L2511W           From Node: 13L2520P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 78.950
       Control Elevation(ft): 78.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2520W           From Node: 13L2520P
        Group: 13L                  To Node: 13L2400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 75.250
       Control Elevation(ft): 75.250
      Struct Opening Dim(ft): 9999.00
                                             TABLE
```

```
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2531W           From Node: 13L2540P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 78.950
       Control Elevation(ft): 78.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13L2560W1          From Node: 13L2560P
        Group: 13L                  To Node: OXFORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 82.100
       Control Elevation(ft): 82.100
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2560W2          From Node: 13L2560P
        Group: 13L                  To Node: 13L2540P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 260.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 85.500
       Control Elevation(ft): 85.500
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13L2560W3          From Node: 13L2560P
        Group: 13L                  To Node: 13L2520P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 87.200
       Control Elevation(ft): 87.200
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM
```

```
--------------------------------------------------------------------------------------------------
         Name: 13L2711W           From Node: 13L2720P
        Group: 13L                  To Node: 13L2700N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 75.950
       Control Elevation(ft): 75.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: 13L2750W_1         From Node: 13L2750P
        Group: 13L                  To Node: 13L2700N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                   Span(in): 4.00
                   Rise(in): 4.00
                 Invert(ft): 73.450
       Control Elevation(ft): 73.950
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19

--------------------------------------------------------------------------------------------------
         Name: 13L2750W_2         From Node: 13L2750P
        Group: 13L                  To Node: 13L2700N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 30.00
        Left Side Slope(h/v): 8.00
       Right Side Slope(h/v): 8.00
                 Invert(ft): 77.870
       Control Elevation(ft): 77.870
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Concrete overflow weir
GCS_1045_CP (NGVD 29)
Weir cross section BB - PDF pg. 19
side slopes are estimated

--------------------------------------------------------------------------------------------------
         Name: 13L3111W           From Node: 13L3140P
        Group: 13L                  To Node: 13L3100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13L-W311
                 Invert(ft): 84.060
       Control Elevation(ft): 84.060
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

updated xsec and invert


--------------------------------------------------------------------------------------------------
         Name: 13L3201W           From Node: 13P1800P
        Group: 13L                  To Node: 13L3100N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular
```

```
                  Span(in): 1200.00
                  Rise(in): 999.00
               Invert(ft): 82.850
      Control Elevation(ft): 82.850
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13M0985W            From Node: 13M0990P
       Group: 13M                   To Node: 13M1100N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 0.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 100.00
               Invert(ft): 57.950
      Control Elevation(ft): 57.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13M1100W            From Node: 13M1100N
       Group: 13M                   To Node: SECRET
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 0.00
       Left Side Slope(h/v): 12.00
      Right Side Slope(h/v): 24.00
               Invert(ft): 57.000
      Control Elevation(ft): 0.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: 13M1400W            From Node: 13M1400N
       Group: 13M                   To Node: 13M1200N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: 13M1400XW
               Invert(ft): 56.150
      Control Elevation(ft): 56.150
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600

Weir from DEM overtopping sidewalk

-----------------------------------------------------------------------------------------------
        Name: 13M1515W            From Node: 13M1520P
       Group: 13M                   To Node: 13M1500N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 300.00
                  Rise(in): 999.00
               Invert(ft): 61.750
      Control Elevation(ft): 61.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
```

```
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M1910W           From Node: 13M1925P
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 100.00
                   Rise(in): 999.00
                 Invert(ft): 66.950
       Control Elevation(ft): 66.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2325W           From Node: 13M2330P
        Group: 13M                  To Node: CONCORD
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 69.450
       Control Elevation(ft): 69.450
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2331W           From Node: 13M2332P
        Group: 13M                  To Node: 13M2331N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331X
                 Invert(ft): 73.220
       Control Elevation(ft): 73.220
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised To Node based on aerial
xsec points from terrain


-----------------------------------------------------------------------------------------------
         Name: 13M2331W2          From Node: 13M2331N
        Group: 13M                  To Node: 13M2330P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13M2331XW2
                 Invert(ft): 67.820
       Control Elevation(ft): 67.820
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Weir from DEM overtopping berm

-----------------------------------------------------------------------------------------------
         Name: 13M2334W           From Node: 13M2334N
        Group: 13M                  To Node: 13M2330P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
```

```
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 67.860
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2335W            From Node: 13M2335N
        Group: 13M                   To Node: 13M2334N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 25.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 70.150
       Control Elevation(ft): 0.000
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13M2360W            From Node: QUAIL
        Group: 13M                   To Node: CONCORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 65.780
       Control Elevation(ft): 65.780
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0100W            From Node: 13N0100P
        Group: 13N                   To Node: 13N0200P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 600.00
                  Invert(ft): 53.370
       Control Elevation(ft): 53.370
                                                TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm weir
invert from LiDar

-----------------------------------------------------------------------------------------------
         Name: 13N0200W            From Node: 13N0200P
        Group: 13N                   To Node: LOST
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13N0200X
                  Invert(ft): 55.850
       Control Elevation(ft): 55.850
      Struct Opening Dim(ft): 9999.00
                                                TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
```

```
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

wetland overflow weir
xsec and inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: 13N0301W            From Node: 13N0301P
        Group: 13N                   To Node: 13N0050P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 240.00
                   Rise(in): 999.00
                 Invert(ft): 58.790
       Control Elevation(ft): 58.790
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
invert estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13N0350W            From Node: 13N0350N
        Group: 13N                   To Node: 13N0300N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                       XSec: 13N0350X
                 Invert(ft): 56.390
       Control Elevation(ft): 56.390
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Overtopping Road
xsec and inverts from lidar

-----------------------------------------------------------------------------------------------
         Name: 13N0500W            From Node: 13N0600N
        Group: 13N                   To Node: 13N0400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13N0500X
                 Invert(ft): 58.640
       Control Elevation(ft): 58.640
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping road
INVERT FROM LIDAR

-----------------------------------------------------------------------------------------------
         Name: 13N0700W            From Node: 13N0700P
        Group: 13N                   To Node: 13N0350N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 13N0700X
                 Invert(ft): 53.880
       Control Elevation(ft): 53.880
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

GCS_1048_SD (Assaumed NAVD 88)
Invert fron LiDAR

-----------------------------------------------------------------------------------------------
         Name: 13N0750W            From Node: 13N0750P
```

```
        Group: 13N                  To Node: 13N0900P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 720.00
                   Rise(in): 999.00
                 Invert(ft): 56.880
       Control Elevation(ft): 56.880
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm weir
invert and span estimated from terrian


-----------------------------------------------------------------------------------------------
         Name: 13N0800W            From Node: 13N0800P
        Group: 13N                   To Node: 13N0700P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 600.00
                 Invert(ft): 55.200
       Control Elevation(ft): 55.200
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping berm
Tract J to L
GCS_1048_SD (Assaumed NAVD 88)

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_1          From Node: 13N0805N
        Group: 13N                   To Node: 13N0810N
         Flow: Both                   Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 24.00
                   Rise(in): 16.32
                 Invert(ft): 56.590
       Control Elevation(ft): 56.590
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 -  Slot Weir

-----------------------------------------------------------------------------------------------
         Name: 13N0805W_2          From Node: 13N0805N
        Group: 13N                   To Node: 13N0810N
         Flow: Both                   Count: 1
         Type: Horizontal           Geometry: Circular

                   Span(in): 4.00
                   Rise(in): 4.00
                 Invert(ft): 52.990
       Control Elevation(ft): 52.990
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Revision
GCS_1048_SD (Assaumed NAVD 88)
D35 - orifice

-----------------------------------------------------------------------------------------------
         Name: 13P0400W            From Node: 13P0400N
        Group: 13P                   To Node: 13P0450N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal
```

```
            Bottom Width(ft): 150.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 58.500
       Control Elevation(ft): 58.500
      Struct Opening Dim(ft): 9999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P1152W            From Node: 13P1200N
        Group: 13P                   To Node: POND1
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 180.00
                     Rise(in): 999.00
                  Invert(ft): 74.950
       Control Elevation(ft): 74.950
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1200W            From Node: 13P1200N
        Group: GEE                   To Node: 13P1250N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 50.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 74.600
       Control Elevation(ft): 74.600
      Struct Opening Dim(ft): 9999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1750W            From Node: 13P1800P
        Group: 13P                   To Node: 13P1700N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13P-W175
                  Invert(ft): 76.490
       Control Elevation(ft): 76.490
      Struct Opening Dim(ft): 999.00
                                              TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.000
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P1810W            From Node: 13P1810P
        Group: 13P                   To Node: 13P1813N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 600.00
                     Rise(in): 999.00
                  Invert(ft): 86.650
       Control Elevation(ft): 86.650
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Added
overtopping pond berm weir
invert estimated from terrain

```
-----------------------------------------------------------------------------------------------
         Name: 13P1811W_1          From Node: 13P1811N
        Group: 13P                   To Node: 13P1812N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 67.88
                    Rise(in): 17.20
                  Invert(ft): 84.200
       Control Elevation(ft): 84.200
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600
```

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

```
-----------------------------------------------------------------------------------------------
         Name: 13P1811W_2          From Node: 13P1811N
        Group: 13P                   To Node: 13P1812N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 4.25
                    Rise(in): 4.25
                  Invert(ft): 82.500
       Control Elevation(ft): 82.500
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600
```

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-3 - see sheet 104

```
-----------------------------------------------------------------------------------------------
         Name: 13P1813W            From Node: 13P1813N
        Group: 13P                   To Node: 13P1800P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 83.360
       Control Elevation(ft): 83.360
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Added
overtopping channel berm weir
invert estimated from terrian

```
-----------------------------------------------------------------------------------------------
         Name: 13P1814W            From Node: 13P1814N
        Group: 13P                   To Node: 13P1800P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 78.590
       Control Elevation(ft): 78.590
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Added
Wetland area to pond
invert estimated from terrain

```
-----------------------------------------------------------------------------------------------
         Name: 13P2020W            From Node: 13P2050N
        Group: 13P                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: 13P2020X
                  Invert(ft): 89.260
       Control Elevation(ft): 89.260
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

added
overflow weir
xsec points from terrain

```
-----------------------------------------------------------------------------------------------
         Name: 13P2100W            From Node: 13P2200N
        Group: 13P                   To Node: 13P2050N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13P2100X
                  Invert(ft): 88.450
       Control Elevation(ft): 88.450
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Added
overflow weir
xsec points from terrain

```
-----------------------------------------------------------------------------------------------
         Name: 13P2300W            From Node: 13P2300P
        Group: 13P                   To Node: PEARL
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 94.350
       Control Elevation(ft): 94.350
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

overtopping pond berm weir
Estimated invert from terrain

```
-----------------------------------------------------------------------------------------------
         Name: 13P2400W            From Node: 13P2400P
        Group: 13P                   To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 91.670
       Control Elevation(ft): 91.670
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```

Overtopping pond berm weir
estimated invert from terrain

```
--------------------------------------------------------------------------------------------------
         Name: 13P2410W_1          From Node: 13P2410N
        Group: 13P                   To Node: 13P2420N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                   Span(in): 84.85
                   Rise(in): 30.00
                 Invert(ft): 89.200
       Control Elevation(ft): 89.200
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Diaginal Veritical Weir
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

--------------------------------------------------------------------------------------------------
         Name: 13P2410W_2          From Node: 13P2410N
        Group: 13P                   To Node: 13P2420N
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                   Span(in): 4.25
                   Rise(in): 4.25
                 Invert(ft): 87.800
       Control Elevation(ft): 87.800
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Added
Orifice
GCS_1040_CP (NAVD 88) - no asbuilts available at this time
DS-1 - see sheet 102

--------------------------------------------------------------------------------------------------
         Name: 13P2635W            From Node: 13P2640N
        Group: 13P                   To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 89.950
       Control Elevation(ft): 89.950
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

--------------------------------------------------------------------------------------------------
         Name: 13P2643W1           From Node: 13P2643N
        Group: 13P                   To Node: 13P2640N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 90.800
       Control Elevation(ft): 90.800
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

--------------------------------------------------------------------------------------------------
         Name: 13P2643W2           From Node: 13P2643N
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal
```

```
           Bottom Width(ft): 80.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 91.000
      Control Elevation(ft): 91.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2644W1           From Node: 13P2644N
        Group: 13P                   To Node: PRAIRIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 300.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 94.000
      Control Elevation(ft): 94.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2644W2           From Node: 13P2644N
        Group: 13P                   To Node: MALTBIE
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 150.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 97.200
      Control Elevation(ft): 97.200
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2646W            From Node: 13P2646N
        Group: 13P                   To Node: 13P2644N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 100.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 92.500
      Control Elevation(ft): 92.500
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2647W            From Node: LPRAIRIE
        Group: 13P                   To Node: 13P2646N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 540.00
                    Rise(in): 999.00
                 Invert(ft): 92.450
      Control Elevation(ft): 92.450
```

```
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: 13P2647W2           From Node: LPRAIRIE
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 600.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 93.000
       Control Elevation(ft): 93.000
      Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P2660W            From Node: 13P2660P
        Group: 13P                   To Node: 13P2640N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 45.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                  Invert(ft): 89.500
       Control Elevation(ft): 89.500
      Struct Opening Dim(ft): 9999.00
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13P3400W1           From Node: 13P3400P
        Group: 13P                   To Node: 13P3450N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                     Span(in): 37.00
                     Rise(in): 49.00
                  Invert(ft): 89.300
       Control Elevation(ft): 89.300
                                                TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

GRATE

-----------------------------------------------------------------------------------------------
         Name: 13Q0450W            From Node: 13Q0500N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1000.00
                     Rise(in): 999.00
                  Invert(ft): 88.650
       Control Elevation(ft): 88.650
                                                TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised weir discharge coef. - Originally 2.4

-----------------------------------------------------------------------------------------------
```

```
         Name: 13Q0820W           From Node: 13Q0820P
        Group: 13Q                  To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 200.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 89.750
      Control Elevation(ft): 89.750
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0821W           From Node: 13Q0821N
        Group: 13Q                  To Node: 13Q0880N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
      Control Elevation(ft): 87.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0822W1          From Node: 13Q0822N
        Group: 13Q                  To Node: 13Q0500N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 87.000
      Control Elevation(ft): 87.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0822W2          From Node: 13Q0822N
        Group: 13Q                  To Node: 13Q0890N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
       Left Side Slope(h/v): 0.00
      Right Side Slope(h/v): 0.00
                 Invert(ft): 89.000
      Control Elevation(ft): 89.000
     Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0830W_1         From Node: 13Q0840P
        Group: 13Q                  To Node: 13Q0821N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular
```

```
                      XSec: 13Q-W083
                 Invert(ft): 86.480
       Control Elevation(ft): 86.480
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revised xsec and invert from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0830W_2          From Node: 13Q0840P
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                      XSec: 13Q0830X
                 Invert(ft): 87.570
       Control Elevation(ft): 87.570
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
xsec points from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0860W            From Node: 13Q0860P
        Group: 13Q                   To Node: 13Q0861N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                 Invert(ft): 87.920
       Control Elevation(ft): 87.920
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Overtopping pond berm weir
invert from terrain data


-----------------------------------------------------------------------------------------------
         Name: 13Q0870W            From Node: 13Q0870P
        Group: 13Q                   To Node: 13Q0865N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                 Invert(ft): 88.120
       Control Elevation(ft): 88.120
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Added
Overtopping pond berm
estimated inverts from terrain

-----------------------------------------------------------------------------------------------
         Name: 13Q0875W            From Node: 13Q0875N
        Group: 13Q                   To Node: 13Q0880N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 60.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                 Invert(ft): 89.600
       Control Elevation(ft): 89.600
      Struct Opening Dim(ft): 9999.00
                                          TABLE
            Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

FROM DEM

-----------------------------------------------------------------------------------------------
         Name: 13Q0895W            From Node: 13Q0895N
        Group: 13Q                   To Node: 13Q0896N
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 34.00
                    Rise(in): 53.00
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Top of Grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top at ground level - estimated from terrain


-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_1          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Irregular

                        XSec: 13Q0896X
                  Invert(ft): 83.360
       Control Elevation(ft): 83.360
      Struct Opening Dim(ft): 2.25
                                              TABLE
            Bottom Clip(ft): 0.917
               Top Clip(ft): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

Large slot opening
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
inverts estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)
Bottom clip:  removable boards - 11" total

-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_2          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Circular

                    Span(in): 7.00
                    Rise(in): 7.00
                  Invert(ft): 82.280
       Control Elevation(ft): 82.280
                                              TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600

orifice
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
invert estimated by measuring to the Top of structure
(Top elevation at ground level - estimated from terrain)

-----------------------------------------------------------------------------------------------
         Name: 13Q0896W_3          From Node: 13Q0896N
        Group: 13Q                   To Node: GRASSY
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Rectangular

                    Span(in): 37.00
                    Rise(in): 22.00
                  Invert(ft): 87.110
       Control Elevation(ft): 87.110
                                              TABLE
            Bottom Clip(in): 0.000
```

```
                Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
       Orifice Discharge Coef: 0.600

Top of grate overflow
Added
Field Recon by BRW/CLR 12/7/15 - see field notes
Top elevation at ground level - estimated from terrain

-----------------------------------------------------------------------------------------------
          Name: 13Q2291W            From Node: 13Q2290P
         Group: 13Q                   To Node: 13Q0860P
          Flow: Both                    Count: 1
          Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 600.00
                    Rise(in): 999.00
                  Invert(ft): 87.860
        Control Elevation(ft): 87.860
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.600
       Orifice Discharge Coef: 0.600

Overflow weir
invert estimated from terrain

-----------------------------------------------------------------------------------------------
          Name: 13Q2294W_1          From Node: 13Q2294N
         Group: 13Q                   To Node: 13Q2295N
          Flow: Both                    Count: 1
          Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 48.00
                    Rise(in): 30.12
                  Invert(ft): 74.640
        Control Elevation(ft): 74.640
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
       Orifice Discharge Coef: 0.600

Revision
GCS_1037_SD (NGVD 29)
s-8
No width available - assumed 4'

-----------------------------------------------------------------------------------------------
          Name: 13Q2295W            From Node: 13Q2300P
         Group: 13Q                   To Node: CONCORD
          Flow: Both                    Count: 1
          Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 360.00
                    Rise(in): 999.00
                  Invert(ft): 75.980
        Control Elevation(ft): 75.980
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 2.800
       Orifice Discharge Coef: 0.600

Overtopping pond wall (at NE corner)
GCS_1037_SD (NGVD 29)

-----------------------------------------------------------------------------------------------
          Name: A_ALTON             From Node: 13A1300N
         Group: 13A                   To Node: 13A1100N
          Flow: Both                    Count: 1
          Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_ALTON
                  Invert(ft): 19.580
        Control Elevation(ft): 19.580
       Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
          Weir Discharge Coef: 2.800
       Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
         Name: A_COSTA             From Node: 13A2600N
        Group: 13A                   To Node: 13A2400N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B25R
                  Invert(ft): 32.000
       Control Elevation(ft): 32.000
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_EDGEM1            From Node: 13A3600N
        Group: 13A                   To Node: 13A3400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 540.00
                     Rise(in): 999.00
                  Invert(ft): 40.150
       Control Elevation(ft): 40.150
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_EDGEM2            From Node: 13A3954P
        Group: 13A                   To Node: 13A3990P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 50.380
       Control Elevation(ft): 50.380
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_FOOTBR            From Node: 13A2350N
        Group: 13A                   To Node: 13A2300N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B23R
                  Invert(ft): 31.850
       Control Elevation(ft): 31.850
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
         Name: A_HAYES             From Node: 13A2100N
        Group: 13A                   To Node: 13A1900N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                        XSec: 13A-B20R
                  Invert(ft): 26.360
       Control Elevation(ft): 26.360
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_LAURA             From Node: 13A5800N
        Group: 13A                   To Node: 13A5600N
         Flow: Both                    Count: 1
         Type: Vertical: Paved      Geometry: Irregular

                         XSec: 13A-B57R
                  Invert(ft): 52.580
       Control Elevation(ft): 52.580
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_MOSS              From Node: 13A3200N
        Group: 13A                   To Node: 13A3000N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_MOSS
                  Invert(ft): 36.510
       Control Elevation(ft): 36.510
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_MURPHY            From Node: 13A3900N
        Group: 13A                   To Node: 13A3700N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RA_MURPH
                  Invert(ft): 43.510
       Control Elevation(ft): 43.510
      Struct Opening Dim(ft): 999.00
                                            TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: A_TRADEW            From Node: 13A3954P
        Group: 13A                   To Node: 13A3952P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                  Invert(ft): 50.510
       Control Elevation(ft): 50.510
                                            TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: C_ALTON             From Node: 13C1000N
        Group: 13C                   To Node: 13C0800N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RC_ALTON
```

```
                Invert(ft): 19.250
      Control Elevation(ft): 19.250
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: C_HAYES             From Node: 13C2200P
       Group: 13C                   To Node: 13C2000N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RC_HAYES
                Invert(ft): 33.950
      Control Elevation(ft): 33.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: C_JEEP              From Node: 13C0500N
       Group: 13C                   To Node: 13C0300N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                Invert(ft): 14.350
      Control Elevation(ft): 14.350
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: C_SHORE             From Node: 13C1700N
       Group: 13C                   To Node: 13C1500N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RC_SHORE
                Invert(ft): 29.850
      Control Elevation(ft): 29.850
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: D_FLAMIN            From Node: 13D0700N
       Group: 13D                   To Node: 13D0500N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                      XSec: RD_FLAMI
                Invert(ft): 41.180
      Control Elevation(ft): 41.180
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
        Name: D_MOSS1             From Node: 13D0310N
```

```
        Group: 13D                  To Node: 13D0200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                   Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: D_MOSS2             From Node: 13D0330N
        Group: 13D                  To Node: 13D0200N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                   Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: D_MOSS3             From Node: 13D0400N
        Group: 13D                  To Node: 13D0330N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RD_MOSS
                   Invert(ft): 38.350
       Control Elevation(ft): 38.350
      Struct Opening Dim(ft): 999.00
                                            TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_EDGEMO            From Node: 13F0700N
        Group: 13F                  To Node: 13A3990P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 300.00
                     Rise(in): 999.00
                   Invert(ft): 51.050
       Control Elevation(ft): 51.050
                                            TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: F_LAKE1             From Node: CEMETERY
        Group: 13F                  To Node: 13F1300P
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                   Invert(ft): 63.550
       Control Elevation(ft): 63.550
                                            TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: F_LAKE2             From Node: 13F1374P
       Group: 13F                   To Node: 13F1300P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 65.450
      Control Elevation(ft): 65.450
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: F_LAKE3             From Node: 13F1378P
       Group: 13F                   To Node: 13F1300P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 65.750
      Control Elevation(ft): 65.750
                                             TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: F_MURPHY            From Node: 13F0700N
       Group: 13F                   To Node: 13F0400P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_MURPH
                 Invert(ft): 50.580
      Control Elevation(ft): 50.580
     Struct Opening Dim(ft): 999.00
                                             TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: F_SEVENT            From Node: 13F0400P
       Group: 13F                   To Node: 13F0200N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                       XSec: RF_SEVEN
                 Invert(ft): 47.750
      Control Elevation(ft): 47.750
     Struct Opening Dim(ft): 999.00
                                             TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: I_CHURCH            From Node: GEM
       Group: 13I                   To Node: 13I1500P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Parabolic

             Top Width(ft): 470.00
          Corres Depth(ft): 0.60
                 Invert(ft): 73.350
      Control Elevation(ft): 73.350
```

```
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_CR434             From Node: 13I1500P
        Group: 13I                   To Node: EVERGRN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RI_CR434
                   Invert(ft): 64.130
       Control Elevation(ft): 64.130
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_EAST              From Node: FERN
        Group: 13I                   To Node: LWILDMER
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 80.00
            Corres Depth(ft): 1.50
                   Invert(ft): 62.450
       Control Elevation(ft): 62.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_GRANT             From Node: 13I1514P
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 75.00
            Corres Depth(ft): 0.50
                   Invert(ft): 65.450
       Control Elevation(ft): 65.450
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_MAGNOL            From Node: ORANGE
        Group: 13I                   To Node: 13I1500P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 1200.00
                     Rise(in): 999.00
                   Invert(ft): 75.250
       Control Elevation(ft): 75.250
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: I_WILDME            From Node: WILDMERE
```

```
        Group: 13I                  To Node: 13I1000N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RI_WILDM
                  Invert(ft): 61.260
       Control Elevation(ft): 61.260
      Struct Opening Dim(ft): 999.00
                                            TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_CR427            From Node: 13J2100N
        Group: 13J                  To Node: 13J1900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                  Invert(ft): 83.250
       Control Elevation(ft): 83.250
                                            TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_GRANT            From Node: 13J0300N
        Group: 13J                  To Node: FAIRY
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_GRANT
                  Invert(ft): 61.100
       Control Elevation(ft): 61.100
      Struct Opening Dim(ft): 999.00
                                            TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_MARVIN           From Node: 13J0600N
        Group: 13J                  To Node: 13J0400N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_MARVI
                  Invert(ft): 74.310
       Control Elevation(ft): 74.310
      Struct Opening Dim(ft): 999.00
                                            TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: J_OLEAND           From Node: 13J1000N
        Group: 13J                  To Node: 13J0900N
         Flow: Both                   Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RJ_OLEAN
                  Invert(ft): 76.550
       Control Elevation(ft): 76.550
      Struct Opening Dim(ft): 999.00
                                            TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
         Weir Discharge Coef: 2.700
      Orifice Discharge Coef: 0.600
```

```
-----------------------------------------------------------------------------------------------
        Name: J_OVERST            From Node: 13J0800N
       Group: 13J                   To Node: 13J0700N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: RJ_OVERS
                 Invert(ft): 76.150
      Control Elevation(ft): 76.150
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: J_TULLIS            From Node: 13J1600N
       Group: 13J                   To Node: 13J1400N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: RJ_TULLI
                 Invert(ft): 77.550
      Control Elevation(ft): 77.550
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.700
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: J_WILDME            From Node: 13J1300N
       Group: 13J                   To Node: 13J1100N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: RJ_WILDM
                 Invert(ft): 78.210
      Control Elevation(ft): 78.210
     Struct Opening Dim(ft): 999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: K_#1792N            From Node: 13K0650N
       Group: 13K                   To Node: 13K0400N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                 Invert(ft): 64.350
      Control Elevation(ft): 64.350
                                          TABLE
           Bottom Clip(in): 0.000
              Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: K_#1792S            From Node: 13K0750N
       Group: 13K                   To Node: 13K0650N
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                    Span(in): 1200.00
                    Rise(in): 999.00
                 Invert(ft): 64.950
      Control Elevation(ft): 64.950
```

```
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GOLDEN            From Node: 13K0900P
        Group: 13K                   To Node: 13K0750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 1200.00
                   Rise(in): 999.00
                 Invert(ft): 63.950
       Control Elevation(ft): 63.950
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GRIFF1            From Node: GRIFFIN
        Group: 13K                   To Node: 13K1750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 76.450
       Control Elevation(ft): 76.450
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GRIFF2            From Node: GRIFFIN
        Group: 13K                   To Node: 13K0750N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 600.00
                   Rise(in): 999.00
                 Invert(ft): 76.150
       Control Elevation(ft): 76.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.400
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_GRIFF3            From Node: GRIFFIN
        Group: 13K                   To Node: 13K1500N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                   Span(in): 300.00
                   Rise(in): 999.00
                 Invert(ft): 76.150
       Control Elevation(ft): 76.150
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: K_SEMINO            From Node: 13K0400N
        Group: 13K                   To Node: KATHRYN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular
```

```
                     XSec: RK_SEMIN
               Invert(ft): 60.670
      Control Elevation(ft): 60.670
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: K_SLUMBE            From Node: 13K1300N
       Group: 13K                   To Node: 13K0900P
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Rectangular

                  Span(in): 1200.00
                  Rise(in): 999.00
               Invert(ft): 67.750
      Control Elevation(ft): 67.750
                                          TABLE
            Bottom Clip(in): 0.000
               Top Clip(in): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_CGC12             From Node: 13L1875P
       Group: 13L                   To Node: 13L1825N
        Flow: Both                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 13L-B18R
               Invert(ft): 56.000
      Control Elevation(ft): 56.000
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_CGC13             From Node: 13L1975P
       Group: 13L                   To Node: 13L1950P
        Flow: None                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 13L-B19R
               Invert(ft): 55.950
      Control Elevation(ft): 55.950
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600


-----------------------------------------------------------------------------------------------
        Name: L_CGC14             From Node: 13L2050P
       Group: 13L                   To Node: 13L1975P
        Flow: None                    Count: 1
        Type: Vertical: Paved      Geometry: Irregular

                     XSec: 13L-B20R
               Invert(ft): 56.250
      Control Elevation(ft): 56.250
     Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
        Weir Discharge Coef: 2.800
     Orifice Discharge Coef: 0.600
```

```
--------------------------------------------------------------------------------------------------
         Name: L_KATHRY            From Node: 13L0020N
        Group: 13L                   To Node: KATHRYN
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Parabolic

               Top Width(ft): 100.00
           Corres Depth(ft): 0.90
                 Invert(ft): 54.050
       Control Elevation(ft): 54.050
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



--------------------------------------------------------------------------------------------------
         Name: L_NTRIPL            From Node: 13L1020P
        Group: 13L                   To Node: TRIPLT-M
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                          XSec: RL_NTRIP
                 Invert(ft): 54.560
       Control Elevation(ft): 54.560
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600

Revised xsec and invert

--------------------------------------------------------------------------------------------------
         Name: L_OXFORD            From Node: 13L2700N
        Group: 13L                   To Node: OXFORD
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                          XSec: RL_OXFOR
                 Invert(ft): 73.210
       Control Elevation(ft): 73.210
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Revised xsec and invert

--------------------------------------------------------------------------------------------------
         Name: P_MORSE             From Node: 13P2661P
        Group: 13P                   To Node: 13P2660P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                          XSec: RP_MORSE
                 Invert(ft): 89.550
       Control Elevation(ft): 89.550
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

updated xsec and inverts from terrain

--------------------------------------------------------------------------------------------------
         Name: P_NTRIPL            From Node: 13P0400N
        Group: 13P                   To Node: 13P0450N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                          XSec: RP_NTRIP
                 Invert(ft): 60.150
       Control Elevation(ft): 60.150
      Struct Opening Dim(ft): 999.00
                                          TABLE
             Bottom Clip(ft): 0.000
```

```
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600

Revision
Changed To Node
Adjusted invert to match xsec

-----------------------------------------------------------------------------------------------
         Name: P_SOUTHC            From Node: 13P1600N
        Group: 13P                   To Node: 13P1400N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                         XSec: RP_SOUTH
                   Invert(ft): 79.280
       Control Elevation(ft): 79.280
      Struct Opening Dim(ft): 999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: POND8B_W            From Node: POND8B
        Group: 13L                   To Node: 13L1975P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 100.00
        Left Side Slope(h/v): 0.00
       Right Side Slope(h/v): 0.00
                   Invert(ft): 58.000
       Control Elevation(ft): 58.000
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600

Berm overtop

-----------------------------------------------------------------------------------------------
         Name: POND8W              From Node: POND8A
        Group: 13L                   To Node: 13L1950P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 30.00
        Left Side Slope(h/v): 4.00
       Right Side Slope(h/v): 4.00
                   Invert(ft): 55.250
       Control Elevation(ft): 55.250
      Struct Opening Dim(ft): 9999.00
                                             TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
         Name: Q_ANCHO1            From Node: 13Q0820P
        Group: 13Q                   To Node: 13Q0821N
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Rectangular

                     Span(in): 150.00
                     Rise(in): 999.00
                   Invert(ft): 89.050
       Control Elevation(ft): 89.050
                                             TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600



-----------------------------------------------------------------------------------------------
```

```
         Name: Q_OAK               From Node: 13Q0940P
        Group: 13Q                   To Node: 13Q0820P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_OAK
                  Invert(ft): 88.960
       Control Elevation(ft): 88.960
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Revised xsec

```
---------------------------------------------------------------------------------------------------
         Name: Q_PINE              From Node: 13Q0924P
        Group: 13Q                   To Node: 13Q0940P
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                        XSec: RQ_PINE
                  Invert(ft): 88.510
       Control Elevation(ft): 88.510
      Struct Opening Dim(ft): 999.00
                                          TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
         Weir Discharge Coef: 2.800
      Orifice Discharge Coef: 0.600
```

Revised invert to match xsec

```
==========================================================================================
==== Rating Curves =======================================================================
==========================================================================================

         Name: 13L101PS            From Node: 13L1020P                Count: 1
        Group: 13L                   To Node: TRIPLT-M                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
           #1: 13L-PS10        53.950          53.450
           #2:                 -1.050          -1.050
           #3:                 -1.050          -1.050
           #4:                 -1.050          -1.050



---------------------------------------------------------------------------------------------------
         Name: 13P182PS            From Node: PINEYRDG                Count: 1
        Group: 13P                   To Node: 13P1824N                 Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
           #1: 13P-PS18        83.950          79.350
           #2:                 -1.050          -1.050
           #3:                 -1.050          -1.050
           #4:                 -1.050          -1.050



---------------------------------------------------------------------------------------------------
         Name: 13P270PS            From Node: MALTBIE                 Count: 1
        Group: 13P                   To Node: PRAIRIE                  Flow: Positive

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
           #1: 13P-PS27        81.950          80.950
           #2: 13P-PS28        83.450          80.950
           #3:                 -1.050          -1.050
           #4:                 -1.050          -1.050



==========================================================================================
==== Hydrology Simulations ===============================================================
==========================================================================================

         Name: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G002YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
```

```
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------------
         Name: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G010YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 6.80

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------------
         Name: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G025YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

-----------------------------------------------------------------------------------------------------
         Name: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G100YR24HR.R32

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 11.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          5.00
72.000          30.00

=========================================================================================
==== Routing Simulations ================================================================
=========================================================================================

         Name: G002YR24HR          Hydrology Sim: G002YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G002YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B002YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 3
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
```

```
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes
Scenario3       Yes


-----------------------------------------------------------------------------------------------------
         Name: G010YR24HR          Hydrology Sim: G010YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G010YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B010YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 3
10 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes
Scenario3       Yes


-----------------------------------------------------------------------------------------------------
         Name: G025YR24HR          Hydrology Sim: G025YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G025YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages: B025YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 3
25 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
```

```
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes
Scenario3       Yes


-----------------------------------------------------------------------------------------------
         Name: G100YR24HR          Hydrology Sim: G100YR24HR
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\G100YR24HR.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                     Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                     End Time(hrs): 72.00
     Min Calc Time(sec): 0.2500              Max Calc Time(sec): 60.0000
        Boundary Stages: B100YR24HR               Boundary Flows:

GEE CREEK - SCENARIO 3
100 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           30.000
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes
Scenario3       Yes


-----------------------------------------------------------------------------------------------
         Name: initial             Hydrology Sim:
     Filename: N:\Casselberry\GolfCourseStudy\ICPR\DesignAlts\Scenario3\initial.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No
```

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 0.01
     Min Calc Time(sec): 0.2500               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:

GEE CREEK - SCENARIO 3
2 YR - 24 HR
12/16//15


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           0.100
16.000          10.000
99.000          30.000

Group           Run
--------------- -----
12              Yes
13A             Yes
13B             Yes
13C             Yes
13D             Yes
13F             Yes
13G             Yes
13H             Yes
13I             Yes
13J             Yes
13K             Yes
13L             Yes
13M             Yes
13N             Yes
13P             Yes
13Q             Yes
BASE            Yes
GEE             Yes
OP_TABLES       Yes
Scenario2       Yes
Scenario3       Yes


==========================================================================================
==== Boundary Conditions ================================================================
==========================================================================================

      Name: B002YR24HR            Node: 12-01-02              Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000           9.390
          0.500          12.880
          1.000          13.120
          1.500          13.210
          2.000          13.240
          2.500          13.240
          3.000          13.230
          3.500          13.230
          4.000          13.220
          4.500          13.220
          5.000          13.210
          5.500          13.210
          6.000          13.210
          6.500          13.210
          7.000          13.210
          7.500          13.220
          8.000          13.230
          8.500          13.240
          8.670          13.250
          8.830          13.260
          9.000          13.270
          9.170          13.280
          9.330          13.290
          9.500          13.310
          9.670          13.320
          9.830          13.340
         10.000          13.360
         10.170          13.380
         10.330          13.400
         10.500          13.440
         10.670          13.490
         10.830          13.540
         11.000          13.590
         11.170          13.630
         11.330          13.680
```

11.500	13.750
11.670	13.860
11.830	14.120
12.000	14.570
12.170	14.960
12.330	15.130
12.500	15.280
12.670	15.400
12.830	15.490
13.000	15.550
13.170	15.590
13.330	15.620
13.500	15.650
13.670	15.670
13.830	15.690
14.000	15.720
14.170	15.750
14.330	15.780
14.500	15.810
14.670	15.830
14.830	15.860
15.000	15.880
15.170	15.910
15.330	15.920
15.500	15.940
15.670	15.950
15.830	15.960
16.000	15.960
16.170	15.960
16.670	15.950
17.170	15.920
17.670	15.900
18.170	15.870
18.670	15.830
19.170	15.780
19.670	15.740
20.170	15.700
20.670	15.660
21.170	15.620
21.670	15.580
22.170	15.550
22.670	15.530
23.170	15.500
23.670	15.470
24.170	15.450
24.670	15.410
25.170	15.370
25.670	15.330
26.170	15.280
26.670	15.220
27.170	15.170
27.670	15.110
28.170	15.060
28.670	15.010
29.170	14.970
29.670	14.930
30.170	14.900
30.670	14.830
31.170	14.800
31.670	14.770
32.170	14.760
32.670	14.740
33.170	14.730
33.670	14.710
34.170	14.700
34.670	14.680
35.170	14.670
35.670	14.650
36.170	14.630
36.670	14.620
37.170	14.600
37.670	14.590
38.170	14.570
38.670	14.550
39.170	14.530
39.670	14.520
40.170	14.500
40.670	14.470
41.170	14.450
41.670	14.430
42.170	14.410
42.670	14.380
43.170	14.360
43.670	14.330
44.170	14.310

44.670	14.290
45.170	14.260
45.670	14.240
46.170	14.210
46.670	14.190
47.170	14.160
47.670	14.140
48.170	14.120
48.670	14.090
49.170	14.070
49.670	14.050
50.170	14.030
50.670	14.010
51.170	13.980
51.670	13.960
52.170	13.940
52.670	13.920
53.170	13.900
53.670	13.880
54.170	13.860
54.670	13.830
55.170	13.810
55.670	13.790
56.170	13.770
56.670	13.750
57.170	13.730
57.670	13.710
58.170	13.690
58.670	13.670
59.170	13.650
59.670	13.630
60.170	13.600
60.670	13.580
61.170	13.560
61.670	13.540
62.170	13.520
62.670	13.500
63.170	13.480
63.670	13.450
64.170	13.440
64.670	13.430
65.170	13.410
65.670	13.390
66.170	13.370
66.670	13.350
67.170	13.330
67.670	13.310
68.170	13.290
68.670	13.270
69.170	13.250
69.670	13.230
70.170	13.210
70.670	13.190
71.170	13.170
71.670	13.150
72.000	13.140

Name: B010YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.240
3.000	13.240
3.500	13.250
4.000	13.250
4.500	13.260
5.000	13.270
5.500	13.280
6.000	13.300
6.500	13.330
7.000	13.360
7.500	13.400
8.000	13.450
8.500	13.530
8.670	13.570
8.830	13.590
9.000	13.620
9.170	13.650
9.330	13.680

9.500	13.710
9.670	13.740
9.830	13.780
10.000	13.820
10.170	13.860
10.330	13.900
10.500	13.950
10.670	14.010
10.830	14.060
11.000	14.130
11.170	14.210
11.330	14.310
11.500	14.440
11.670	14.660
11.830	14.930
12.000	15.140
12.170	15.390
12.330	15.640
12.500	15.850
12.670	16.050
12.830	16.210
13.000	16.330
13.170	16.420
13.330	16.500
13.500	16.570
13.670	16.630
13.830	16.700
14.000	16.770
14.170	16.830
14.330	16.900
14.500	16.960
14.670	17.010
14.830	17.060
15.000	17.110
15.170	17.150
15.330	17.180
15.500	17.220
15.670	17.240
15.830	17.270
16.000	17.290
16.170	17.300
16.670	17.330
17.170	17.330
17.670	17.310
18.170	17.290
18.670	17.250
19.170	17.170
19.670	17.090
20.170	17.000
20.670	16.940
21.170	16.890
21.670	16.860
22.170	16.830
22.670	16.800
23.170	16.770
23.670	16.740
24.170	16.710
24.670	16.670
25.170	16.630
25.670	16.580
26.170	16.530
26.670	16.470
27.170	16.410
27.670	16.350
28.170	16.290
28.670	16.230
29.170	16.180
29.670	16.130
30.170	16.080
30.670	16.030
31.170	15.990
31.670	15.950
32.170	15.920
32.670	15.890
33.170	15.870
33.670	15.840
34.170	15.820
34.670	15.810
35.170	15.790
35.670	15.770
36.170	15.760
36.670	15.750
37.170	15.730
37.670	15.720
38.170	15.710

38.670	15.700
39.170	15.690
39.670	15.680
40.170	15.660
40.670	15.650
41.170	15.640
41.670	15.630
42.170	15.620
42.670	15.600
43.170	15.590
43.670	15.580
44.170	15.560
44.670	15.550
45.170	15.530
45.670	15.520
46.170	15.500
46.670	15.490
47.170	15.470
47.670	15.450
48.170	15.440
48.670	15.420
49.170	15.400
49.670	15.390
50.170	15.370
50.670	15.350
51.170	15.330
51.670	15.310
52.170	15.300
52.670	15.280
53.170	15.260
53.670	15.240
54.170	15.220
54.670	15.200
55.170	15.180
55.670	15.160
56.170	15.140
56.670	15.120
57.170	15.100
57.670	15.080
58.170	15.060
58.670	15.040
59.170	15.010
59.670	14.990
60.170	14.970
60.670	14.950
61.170	14.920
61.670	14.900
62.170	14.860
62.670	14.820
63.170	14.790
63.670	14.770
64.170	14.750
64.670	14.730
65.170	14.710
65.670	14.680
66.170	14.660
66.670	14.640
67.170	14.620
67.670	14.590
68.170	14.570
68.670	14.550
69.170	14.520
69.670	14.500
70.170	14.470
70.670	14.440
71.170	14.420
71.670	14.390
72.000	14.370

Name: B025YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)
0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.240
2.500	13.250
3.000	13.260
3.500	13.270
4.000	13.280
4.500	13.310
5.000	13.330

5.500	13.360
6.000	13.400
6.500	13.450
7.000	13.520
7.500	13.600
8.000	13.670
8.500	13.760
8.670	13.790
8.830	13.830
9.000	13.870
9.170	13.900
9.330	13.940
9.500	13.980
9.670	14.020
9.830	14.060
10.000	14.110
10.170	14.160
10.330	14.240
10.500	14.320
10.670	14.420
10.830	14.530
11.000	14.640
11.170	14.750
11.330	14.850
11.500	14.910
11.670	14.990
11.830	15.160
12.000	15.390
12.170	15.650
12.330	15.920
12.500	16.160
12.670	16.380
12.830	16.580
13.000	16.750
13.170	16.880
13.330	16.990
13.500	17.090
13.670	17.180
13.830	17.270
14.000	17.360
14.170	17.450
14.330	17.530
14.500	17.610
14.670	17.680
14.830	17.750
15.000	17.810
15.170	17.860
15.330	17.910
15.500	17.950
15.670	17.990
15.830	18.020
16.000	18.050
16.170	18.070
16.670	18.120
17.170	18.140
17.670	18.140
18.170	18.120
18.670	18.100
19.170	18.060
19.670	18.030
20.170	17.990
20.670	17.960
21.670	17.910
22.170	17.890
22.670	17.880
23.170	17.870
23.670	17.860
24.170	17.860
24.670	17.850
25.170	17.840
25.670	17.830
26.170	17.810
26.670	17.780
27.170	17.740
27.670	17.700
28.170	17.650
28.670	17.600
29.170	17.540
29.670	17.470
30.170	17.400
30.670	17.330
31.170	17.250
31.670	17.160
32.170	17.080
32.670	17.010

33.170	16.950
33.670	16.910
34.170	16.880
34.670	16.850
35.170	16.820
35.670	16.780
36.170	16.740
36.670	16.690
37.170	16.640
37.670	16.580
38.170	16.530
38.670	16.480
39.170	16.430
39.670	16.380
40.170	16.330
40.670	16.280
41.170	16.240
41.670	16.200
42.170	16.170
42.670	16.130
43.170	16.100
43.670	16.080
44.170	16.050
44.670	16.030
45.170	16.010
45.670	15.990
46.170	15.980
46.670	15.960
47.170	15.950
47.670	15.930
48.170	15.920
48.670	15.900
49.170	15.890
49.670	15.880
50.170	15.860
50.670	15.850
51.170	15.840
51.670	15.820
52.170	15.810
52.670	15.800
53.170	15.780
53.670	15.770
54.170	15.760
54.670	15.740
55.170	15.730
55.670	15.720
56.170	15.700
56.670	15.690
57.170	15.670
57.670	15.660
58.170	15.640
58.670	15.620
59.170	15.610
59.670	15.590
60.170	15.570
60.670	15.550
61.170	15.530
61.670	15.510
62.170	15.500
62.670	15.480
63.170	15.460
63.670	15.440
64.170	15.420
64.670	15.400
65.170	15.380
65.670	15.360
66.170	15.340
66.670	15.320
67.170	15.300
67.670	15.280
68.170	15.260
68.670	15.240
69.170	15.220
69.670	15.190
70.170	15.170
70.670	15.150
71.170	15.130
71.670	15.110
72.000	15.100

Name: B100YR24HR Node: 12-01-02 Type: Stage

Time(hrs)	Stage(ft)

0.000	9.390
0.500	12.880
1.000	13.120
1.500	13.210
2.000	13.250
2.500	13.270
3.000	13.300
3.500	13.330
4.000	13.370
4.500	13.420
5.000	13.490
5.500	13.590
6.000	13.650
6.500	13.730
7.000	13.820
7.500	13.920
8.000	14.020
8.500	14.140
8.670	14.190
8.830	14.250
9.000	14.330
9.170	14.410
9.330	14.490
9.500	14.570
9.670	14.640
9.830	14.720
10.000	14.790
10.170	14.860
10.330	14.900
10.500	14.940
10.670	14.990
10.830	15.040
11.000	15.110
11.170	15.180
11.330	15.250
11.500	15.330
11.670	15.440
11.830	15.610
12.000	15.850
12.170	16.130
12.330	16.420
12.500	16.700
12.670	16.970
12.830	17.190
13.000	17.390
13.170	17.560
13.330	17.720
13.500	17.870
13.670	18.010
13.830	18.140
14.000	18.260
14.170	18.370
14.330	18.480
14.500	18.580
14.670	18.670
14.830	18.760
15.000	18.830
15.170	18.890
15.330	18.950
15.500	19.000
15.670	19.040
15.830	19.080
16.000	19.120
16.170	19.150
16.670	19.250
17.170	19.350
17.670	19.450
18.170	19.540
18.670	19.620
19.170	19.680
19.670	19.730
20.170	19.780
20.670	19.810
21.170	19.830
21.670	19.850
22.170	19.860
22.670	19.850
23.170	19.840
23.670	19.820
24.170	19.800
24.670	19.780
25.170	19.750
25.670	19.720
26.170	19.680
26.670	19.640

27.170	19.600
27.670	19.550
28.170	19.510
28.670	19.460
29.170	19.410
29.670	19.360
30.170	19.310
30.670	19.260
31.170	19.210
31.670	19.160
32.170	19.100
32.670	19.050
33.170	18.990
33.670	18.930
34.170	18.860
34.670	18.790
35.170	18.720
35.670	18.640
36.170	18.550
36.670	18.460
37.170	18.370
37.670	18.270
38.170	18.170
38.670	18.070
39.170	17.970
39.670	17.870
40.170	17.760
40.670	17.650
41.170	17.540
41.670	17.430
42.170	17.320
42.670	17.220
43.170	17.110
43.670	17.020
44.170	16.960
44.670	16.910
45.170	16.880
45.670	16.860
46.170	16.830
46.670	16.790
47.170	16.760
47.670	16.720
48.170	16.680
48.670	16.640
49.170	16.590
49.670	16.550
50.170	16.510
50.670	16.470
51.170	16.430
51.670	16.390
52.170	16.350
52.670	16.320
53.170	16.290
53.670	16.250
54.170	16.220
54.670	16.190
55.170	16.170
55.670	16.140
56.170	16.130
56.670	16.110
57.170	16.090
57.670	16.080
58.170	16.060
58.670	16.050
59.170	16.030
59.670	16.020
60.170	16.000
60.670	15.990
61.170	15.970
61.670	15.960
62.170	15.950
62.670	15.930
63.170	15.920
63.670	15.900
64.170	15.890
64.670	15.870
65.170	15.860
65.670	15.840
66.170	15.830
66.670	15.810
67.170	15.800
67.670	15.780
68.170	15.770
68.670	15.760
69.170	15.740

69.670	15.730
70.170	15.710
70.670	15.700
71.170	15.690
71.670	15.670
72.000	15.660

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.10 Basin Max Comparison Report – Scenario 3

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A0100B	GEE	12.07	13.14	2.811	70822
G010YR24HR	13A0100B	GEE	12.07	23.29	5.054	127319
G025YR24HR	13A0100B	GEE	12.07	30.47	6.689	168505
G100YR24HR	13A0100B	GEE	12.07	43.05	9.616	242252
G002YR24HR	13A0300B	GEE	13.17	16.16	2.466	264466
G010YR24HR	13A0300B	GEE	13.17	30.63	4.625	495907
G025YR24HR	13A0300B	GEE	13.17	41.13	6.221	667082
G100YR24HR	13A0300B	GEE	13.08	59.76	9.102	976023
G002YR24HR	13A0600B	GEE	13.33	6.80	3.510	123321
G010YR24HR	13A0600B	GEE	13.33	11.19	5.862	205991
G025YR24HR	13A0600B	GEE	13.33	14.27	7.544	265070
G100YR24HR	13A0600B	GEE	13.33	19.68	10.523	369768
G002YR24HR	13A0725B	GEE	12.07	2.69	2.627	14497
G010YR24HR	13A0725B	GEE	12.07	4.91	4.828	26639
G025YR24HR	13A0725B	GEE	12.07	6.48	6.444	35557
G100YR24HR	13A0725B	GEE	12.07	9.25	9.350	51587
G002YR24HR	13A0735B	GEE	12.58	20.31	3.094	227643
G010YR24HR	13A0735B	GEE	12.58	34.95	5.388	396480
G025YR24HR	13A0735B	GEE	12.58	45.28	7.045	518391
G100YR24HR	13A0735B	GEE	12.58	63.35	9.997	735574
G002YR24HR	13A0800B	GEE	12.33	12.72	1.855	110558
G010YR24HR	13A0800B	GEE	12.33	27.04	3.812	227199
G025YR24HR	13A0800B	GEE	12.33	37.81	5.311	316564
G100YR24HR	13A0800B	GEE	12.33	57.25	8.073	481181
G002YR24HR	13A0820B	GEE	13.75	18.78	3.289	409145
G010YR24HR	13A0820B	GEE	13.75	31.80	5.614	698442
G025YR24HR	13A0820B	GEE	13.75	40.99	7.285	906221
G100YR24HR	13A0820B	GEE	13.75	57.11	10.252	1275361
G002YR24HR	13A0950B	GEE	12.24	11.46	2.071	81939
G010YR24HR	13A0950B	GEE	12.18	23.12	4.108	162547
G025YR24HR	13A0950B	GEE	12.18	31.79	5.647	223448
G100YR24HR	13A0950B	GEE	12.18	47.29	8.459	334708
G002YR24HR	13A1000B	GEE	12.10	7.78	2.164	42096
G010YR24HR	13A1000B	GEE	12.07	15.29	4.232	82345
G025YR24HR	13A1000B	GEE	12.07	20.82	5.787	112588
G100YR24HR	13A1000B	GEE	12.07	30.63	8.617	167666
G002YR24HR	13A1001B	GEE	12.67	6.79	1.771	81466
G010YR24HR	13A1001B	GEE	12.67	14.78	3.694	169879
G025YR24HR	13A1001B	GEE	12.67	20.85	5.175	238018
G100YR24HR	13A1001B	GEE	12.67	31.87	7.914	363975
G002YR24HR	13A1002B	GEE	12.07	4.75	2.728	25548
G010YR24HR	13A1002B	GEE	12.07	8.51	4.952	46380
G025YR24HR	13A1002B	GEE	12.07	11.19	6.579	61615
G100YR24HR	13A1002B	GEE	12.07	15.87	9.497	88942
G002YR24HR	13A1101B	GEE	13.00	14.95	2.534	214168
G010YR24HR	13A1101B	GEE	12.92	28.00	4.710	398062
G025YR24HR	13A1101B	GEE	12.92	37.43	6.315	533643
G100YR24HR	13A1101B	GEE	12.92	54.10	9.205	777913
G002YR24HR	13A1102B	GEE	12.07	8.60	2.739	46329
G010YR24HR	13A1102B	GEE	12.07	15.41	4.966	83997
G025YR24HR	13A1102B	GEE	12.07	20.24	6.593	111534
G100YR24HR	13A1102B	GEE	12.07	28.70	9.513	160914
G002YR24HR	13A1300B	GEE	12.33	12.88	2.984	112773
G010YR24HR	13A1300B	GEE	12.33	22.44	5.259	198735
G025YR24HR	13A1300B	GEE	12.33	29.19	6.907	261015
G100YR24HR	13A1300B	GEE	12.33	41.01	9.849	372164
G002YR24HR	13A1400B	GEE	12.10	8.94	2.336	48171
G010YR24HR	13A1400B	GEE	12.07	17.04	4.459	91935
G025YR24HR	13A1400B	GEE	12.07	22.92	6.039	124513
G100YR24HR	13A1400B	GEE	12.07	33.32	8.901	183525
G002YR24HR	13A1600B	GEE	12.07	9.19	3.299	50304
G010YR24HR	13A1600B	GEE	12.07	15.30	5.627	85794
G025YR24HR	13A1600B	GEE	12.07	19.58	7.299	111278
G100YR24HR	13A1600B	GEE	12.07	27.07	10.268	156548
G002YR24HR	13A1601B	GEE	12.12	12.85	2.727	76426
G010YR24HR	13A1601B	GEE	12.12	23.07	4.951	138748
G025YR24HR	13A1601B	GEE	12.12	30.33	6.578	184327

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13A1601B	GEE	12.12	43.05	9.495	266081
G002YR24HR	13A1700B	GEE	12.07	10.68	3.276	58396
G010YR24HR	13A1700B	GEE	12.07	17.83	5.601	99828
G025YR24HR	13A1700B	GEE	12.07	22.84	7.271	129596
G100YR24HR	13A1700B	GEE	12.07	31.60	10.239	182492
G002YR24HR	13A1701B	GEE	12.17	45.38	2.728	306575
G010YR24HR	13A1701B	GEE	12.17	81.77	4.952	556559
G025YR24HR	13A1701B	GEE	12.17	107.64	6.579	739383
G100YR24HR	13A1701B	GEE	12.17	153.04	9.497	1067307
G002YR24HR	13A1800B	GEE	12.07	10.04	3.231	54780
G010YR24HR	13A1800B	GEE	12.07	16.85	5.550	94077
G025YR24HR	13A1800B	GEE	12.07	21.62	7.217	122343
G100YR24HR	13A1800B	GEE	12.07	29.97	10.182	172602
G002YR24HR	13A1801B	GEE	12.07	11.79	2.656	63436
G010YR24HR	13A1801B	GEE	12.07	21.37	4.863	116166
G025YR24HR	13A1801B	GEE	12.07	28.19	6.483	154843
G100YR24HR	13A1801B	GEE	12.07	40.17	9.392	224327
G002YR24HR	13A1802B	GEE	12.10	2.83	2.453	15224
G010YR24HR	13A1802B	GEE	12.07	5.29	4.608	28604
G025YR24HR	13A1802B	GEE	12.07	7.06	6.204	38508
G100YR24HR	13A1802B	GEE	12.07	10.19	9.084	56390
G002YR24HR	13A1901B	GEE	12.20	20.62	2.739	147441
G010YR24HR	13A1901B	GEE	12.20	37.11	4.965	267278
G025YR24HR	13A1901B	GEE	12.20	48.85	6.592	354879
G100YR24HR	13A1901B	GEE	12.20	69.43	9.510	511964
G002YR24HR	13A1902B	GEE	12.10	3.44	2.126	18597
G010YR24HR	13A1902B	GEE	12.07	6.80	4.182	36584
G025YR24HR	13A1902B	GEE	12.07	9.28	5.730	50129
G100YR24HR	13A1902B	GEE	12.07	13.69	8.553	74828
G002YR24HR	13A2100B	GEE	12.07	8.04	2.728	43273
G010YR24HR	13A2100B	GEE	12.07	14.42	4.952	78558
G025YR24HR	13A2100B	GEE	12.07	18.95	6.579	104364
G100YR24HR	13A2100B	GEE	12.07	26.88	9.497	150650
G002YR24HR	13A2200B	GEE	12.07	16.56	3.499	91834
G010YR24HR	13A2200B	GEE	12.07	27.00	5.852	153580
G025YR24HR	13A2200B	GEE	12.07	34.31	7.534	197717
G100YR24HR	13A2200B	GEE	12.07	47.11	10.514	275945
G002YR24HR	13A2201B	GEE	12.20	26.95	2.608	193021
G010YR24HR	13A2201B	GEE	12.20	49.52	4.803	355509
G025YR24HR	13A2201B	GEE	12.20	65.66	6.417	474926
G100YR24HR	13A2201B	GEE	12.20	94.05	9.318	689697
G002YR24HR	13A2202B	GEE	12.10	4.76	2.426	25627
G010YR24HR	13A2202B	GEE	12.07	8.94	4.574	48320
G025YR24HR	13A2202B	GEE	12.07	11.96	6.166	65137
G100YR24HR	13A2202B	GEE	12.07	17.28	9.043	95524
G002YR24HR	13A2220B	GEE	12.10	14.54	1.338	84780
G010YR24HR	13A2220B	GEE	12.10	35.57	3.056	193715
G025YR24HR	13A2220B	GEE	12.10	52.08	4.431	280837
G100YR24HR	13A2220B	GEE	12.07	82.78	7.030	445566
G002YR24HR	13A2300B	GEE	12.07	3.12	2.726	16823
G010YR24HR	13A2300B	GEE	12.07	5.61	4.950	30547
G025YR24HR	13A2300B	GEE	12.07	7.37	6.577	40584
G100YR24HR	13A2300B	GEE	12.07	10.46	9.494	58589
G002YR24HR	13A2350B	GEE	12.07	8.64	3.268	47219
G010YR24HR	13A2350B	GEE	12.07	14.44	5.592	80788
G025YR24HR	13A2350B	GEE	12.07	18.50	7.262	104910
G100YR24HR	13A2350B	GEE	12.07	25.60	10.229	147779
G002YR24HR	13A2351B	GEE	12.07	6.70	2.721	36047
G010YR24HR	13A2351B	GEE	12.07	12.02	4.943	65497
G025YR24HR	13A2351B	GEE	12.07	15.81	6.569	87041
G100YR24HR	13A2351B	GEE	12.07	22.44	9.486	125690
G002YR24HR	13A2400B	GEE	12.07	9.64	2.707	51885
G010YR24HR	13A2400B	GEE	12.07	17.34	4.927	94427
G025YR24HR	13A2400B	GEE	12.07	22.81	6.551	125566
G100YR24HR	13A2400B	GEE	12.07	32.41	9.467	181443
G002YR24HR	13A2600B	GEE	12.07	7.99	3.356	43858

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13A2600B	GEE	12.07	13.21	5.692	74378
G025YR24HR	13A2600B	GEE	12.07	16.87	7.366	96262
G100YR24HR	13A2600B	GEE	12.07	23.28	10.339	135111
G002YR24HR	13A2601B	GEE	12.32	36.16	2.266	288182
G010YR24HR	13A2601B	GEE	12.32	70.08	4.367	555306
G025YR24HR	13A2601B	GEE	12.24	94.91	5.936	754875
G100YR24HR	13A2601B	GEE	12.24	139.29	8.785	1117122
G002YR24HR	13A2701B	GEE	12.07	4.98	2.575	26828
G010YR24HR	13A2701B	GEE	12.07	9.15	4.763	49621
G025YR24HR	13A2701B	GEE	12.07	12.13	6.373	66397
G100YR24HR	13A2701B	GEE	12.07	17.36	9.272	96593
G002YR24HR	13A2750B	GEE	12.13	24.52	2.435	149175
G010YR24HR	13A2750B	GEE	12.13	46.09	4.585	280956
G025YR24HR	13A2750B	GEE	12.13	61.63	6.178	378577
G100YR24HR	13A2750B	GEE	12.13	89.02	9.056	554924
G002YR24HR	13A2820B	GEE	12.17	14.56	2.562	98485
G010YR24HR	13A2820B	GEE	12.17	26.91	4.746	182461
G025YR24HR	13A2820B	GEE	12.17	35.77	6.355	244305
G100YR24HR	13A2820B	GEE	12.17	51.35	9.252	355656
G002YR24HR	13A2900B	GEE	12.92	8.70	1.554	126777
G010YR24HR	13A2900B	GEE	12.92	20.11	3.381	275772
G025YR24HR	13A2900B	GEE	12.92	28.99	4.813	392583
G100YR24HR	13A2900B	GEE	12.83	45.45	7.488	610761
G002YR24HR	13A2901B	GEE	13.33	15.77	1.837	289326
G010YR24HR	13A2901B	GEE	13.33	33.89	3.787	596277
G025YR24HR	13A2901B	GEE	13.33	47.67	5.282	831721
G100YR24HR	13A2901B	GEE	13.25	72.84	8.038	1265722
G002YR24HR	13A2902B	GEE	15.14	12.98	1.321	188711
G010YR24HR	13A2902B	GEE	15.05	32.46	3.030	432854
G025YR24HR	13A2902B	GEE	15.05	48.10	4.398	628416
G100YR24HR	13A2902B	GEE	15.05	77.37	6.989	998535
G002YR24HR	13A2903B	GEE	17.72	3.02	0.574	69908
G010YR24HR	13A2903B	GEE	17.47	12.15	1.768	215495
G025YR24HR	13A2903B	GEE	17.47	20.89	2.837	345681
G100YR24HR	13A2903B	GEE	17.38	38.95	5.001	609439
G002YR24HR	13A3200B	GEE	12.07	8.50	2.857	45845
G010YR24HR	13A3200B	GEE	12.07	14.97	5.110	81982
G025YR24HR	13A3200B	GEE	12.07	19.54	6.749	108281
G100YR24HR	13A3200B	GEE	12.07	27.54	9.681	155328
G002YR24HR	13A3201B	GEE	12.17	23.38	2.674	158011
G010YR24HR	13A3201B	GEE	12.17	42.48	4.886	288724
G025YR24HR	13A3201B	GEE	12.17	56.09	6.507	384530
G100YR24HR	13A3201B	GEE	12.17	79.99	9.418	556577
G002YR24HR	13A3202B	GEE	12.10	4.06	2.045	22046
G010YR24HR	13A3202B	GEE	12.07	8.16	4.073	43911
G025YR24HR	13A3202B	GEE	12.07	11.20	5.608	60457
G100YR24HR	13A3202B	GEE	12.07	16.64	8.414	90713
G002YR24HR	13A3300B	GEE	12.07	8.54	3.024	46220
G010YR24HR	13A3300B	GEE	12.07	14.70	5.309	81130
G025YR24HR	13A3300B	GEE	12.07	19.03	6.962	106392
G100YR24HR	13A3300B	GEE	12.07	26.61	9.910	151450
G002YR24HR	13A3320B	GEE	12.10	18.09	2.182	97749
G010YR24HR	13A3320B	GEE	12.07	35.41	4.257	190685
G025YR24HR	13A3320B	GEE	12.07	48.14	5.814	260443
G100YR24HR	13A3320B	GEE	12.07	70.73	8.649	387406
G002YR24HR	13A3400B	GEE	12.23	51.21	2.682	393359
G010YR24HR	13A3400B	GEE	12.23	93.14	4.896	717944
G025YR24HR	13A3400B	GEE	12.23	123.05	6.517	955754
G100YR24HR	13A3400B	GEE	12.23	175.60	9.429	1382720
G002YR24HR	13A3420B	GEE	12.10	9.00	1.605	50446
G010YR24HR	13A3420B	GEE	12.10	20.12	3.455	108621
G025YR24HR	13A3420B	GEE	12.10	28.61	4.900	154041
G100YR24HR	13A3420B	GEE	12.07	44.23	7.592	238664
G002YR24HR	13A3440B	GEE	14.58	1.66	0.754	52647
G010YR24HR	13A3440B	GEE	14.33	5.43	2.098	146529
G025YR24HR	13A3440B	GEE	14.25	8.82	3.258	227533
G100YR24HR	13A3440B	GEE	14.17	15.64	5.557	388092

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A3600B	GEE	12.07	19.18	2.942	103579
G010YR24HR	13A3600B	GEE	12.07	33.38	5.211	183472
G025YR24HR	13A3600B	GEE	12.07	43.39	6.857	241445
G100YR24HR	13A3600B	GEE	12.07	60.89	9.798	344991
G002YR24HR	13A3910B	GEE	12.07	23.83	2.881	128547
G010YR24HR	13A3910B	GEE	12.07	41.82	5.139	229243
G025YR24HR	13A3910B	GEE	12.07	54.52	6.780	302465
G100YR24HR	13A3910B	GEE	12.07	76.74	9.715	433393
G002YR24HR	13A3920B	GEE	12.07	26.65	3.690	150135
G010YR24HR	13A3920B	GEE	12.07	42.68	6.061	246630
G025YR24HR	13A3920B	GEE	12.07	53.92	7.750	315369
G100YR24HR	13A3920B	GEE	12.07	73.64	10.739	436996
G002YR24HR	13A3921B	GEE	12.07	27.95	2.663	150415
G010YR24HR	13A3921B	GEE	12.07	50.62	4.872	275204
G025YR24HR	13A3921B	GEE	12.07	66.75	6.492	366708
G100YR24HR	13A3921B	GEE	12.07	95.06	9.402	531070
G002YR24HR	13A3930B	GEE	12.07	37.98	2.682	204438
G010YR24HR	13A3930B	GEE	12.07	68.60	4.896	373194
G025YR24HR	13A3930B	GEE	12.07	90.37	6.518	496841
G100YR24HR	13A3930B	GEE	12.07	128.56	9.430	718845
G002YR24HR	13A3940B	GEE	12.07	8.28	2.728	44560
G010YR24HR	13A3940B	GEE	12.07	14.85	4.952	80895
G025YR24HR	13A3940B	GEE	12.07	19.51	6.579	107468
G100YR24HR	13A3940B	GEE	12.07	27.68	9.497	155132
G002YR24HR	13A3950B	GEE	12.07	18.24	2.708	98202
G010YR24HR	13A3950B	GEE	12.07	32.82	4.928	178701
G025YR24HR	13A3950B	GEE	12.07	43.17	6.553	237620
G100YR24HR	13A3950B	GEE	12.07	61.33	9.468	343346
G002YR24HR	13A3952B	GEE	13.25	14.34	1.458	248498
G010YR24HR	13A3952B	GEE	13.17	34.23	3.239	551856
G025YR24HR	13A3952B	GEE	13.08	49.94	4.646	791692
G100YR24HR	13A3952B	GEE	13.08	79.29	7.289	1241966
G002YR24HR	13A3954B	GEE	12.18	23.43	1.274	163352
G010YR24HR	13A3954B	GEE	12.13	59.26	2.958	379276
G025YR24HR	13A3954B	GEE	12.13	88.07	4.314	553081
G100YR24HR	13A3954B	GEE	12.13	141.88	6.887	883022
G002YR24HR	13A3956B	GEE	12.13	3.24	0.755	24164
G010YR24HR	13A3956B	GEE	12.10	11.58	2.100	67239
G025YR24HR	13A3956B	GEE	12.10	18.79	3.261	104401
G100YR24HR	13A3956B	GEE	12.10	32.89	5.561	178056
G002YR24HR	13A3960B	GEE	12.10	9.95	1.767	54893
G010YR24HR	13A3960B	GEE	12.10	21.28	3.688	114591
G025YR24HR	13A3960B	GEE	12.07	29.84	5.169	160619
G100YR24HR	13A3960B	GEE	12.07	45.40	7.908	245726
G002YR24HR	13A3962B	GEE	12.16	33.37	2.533	221323
G010YR24HR	13A3962B	GEE	12.16	61.95	4.710	411544
G025YR24HR	13A3962B	GEE	12.16	82.45	6.316	551812
G100YR24HR	13A3962B	GEE	12.16	118.54	9.208	804548
G002YR24HR	13A3964B	GEE	12.07	30.82	2.799	166028
G010YR24HR	13A3964B	GEE	12.07	54.71	5.039	298894
G025YR24HR	13A3964B	GEE	12.07	71.62	6.673	395798
G100YR24HR	13A3964B	GEE	12.07	101.24	9.599	569353
G002YR24HR	13A3990B	GEE	12.10	45.05	1.775	248474
G010YR24HR	13A3990B	GEE	12.10	96.17	3.699	517933
G025YR24HR	13A3990B	GEE	12.07	134.80	5.182	725566
G100YR24HR	13A3990B	GEE	12.07	204.91	7.923	1109350
G002YR24HR	13A4000B	GEE	12.07	15.31	3.679	86133
G010YR24HR	13A4000B	GEE	12.07	24.53	6.049	141633
G025YR24HR	13A4000B	GEE	12.07	31.00	7.738	181175
G100YR24HR	13A4000B	GEE	12.07	42.35	10.727	251147
G002YR24HR	13A4120B	GEE	12.07	30.36	2.932	163918
G010YR24HR	13A4120B	GEE	12.07	52.90	5.199	290656
G025YR24HR	13A4120B	GEE	12.07	68.79	6.845	382652
G100YR24HR	13A4120B	GEE	12.07	96.59	9.785	546994
G002YR24HR	13A4200B	GEE	12.07	8.26	3.382	45418
G010YR24HR	13A4200B	GEE	12.07	13.62	5.720	76830

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13A4200B	GEE	12.07	17.38	7.396	99340
G100YR24HR	13A4200B	GEE	12.07	23.96	10.371	139289
G002YR24HR	13A4300B	GEE	12.07	41.02	3.045	222200
G010YR24HR	13A4300B	GEE	12.07	70.43	5.333	389140
G025YR24HR	13A4300B	GEE	12.07	91.11	6.988	509869
G100YR24HR	13A4300B	GEE	12.07	127.26	9.938	725124
G002YR24HR	13A4301B	GEE	12.10	23.92	2.441	128769
G010YR24HR	13A4301B	GEE	12.07	44.83	4.594	242303
G025YR24HR	13A4301B	GEE	12.07	59.90	6.188	326380
G100YR24HR	13A4301B	GEE	12.07	86.45	9.067	478232
G002YR24HR	13A4700B	GEE	12.10	33.92	2.544	182629
G010YR24HR	13A4700B	GEE	12.07	62.59	4.723	339142
G025YR24HR	13A4700B	GEE	12.07	83.12	6.330	454499
G100YR24HR	13A4700B	GEE	12.07	119.20	9.224	662296
G002YR24HR	13A4701B	GEE	12.07	11.25	2.640	60559
G010YR24HR	13A4701B	GEE	12.07	20.45	4.843	111117
G025YR24HR	13A4701B	GEE	12.07	27.01	6.461	148225
G100YR24HR	13A4701B	GEE	12.07	38.51	9.368	214916
G002YR24HR	13A4720B	GEE	12.33	2.38	0.429	24364
G010YR24HR	13A4720B	GEE	12.10	12.82	1.486	84361
G025YR24HR	13A4720B	GEE	12.10	23.71	2.467	140071
G100YR24HR	13A4720B	GEE	12.10	46.13	4.501	255518
G002YR24HR	13A4721B	GEE	12.83	2.22	0.393	24247
G010YR24HR	13A4721B	GEE	12.63	12.91	1.411	87130
G025YR24HR	13A4721B	GEE	12.60	24.44	2.368	146193
G100YR24HR	13A4721B	GEE	12.60	48.41	4.363	269409
G002YR24HR	13A5001B	GEE	12.07	24.68	3.499	136798
G010YR24HR	13A5001B	GEE	12.07	40.22	5.852	228777
G025YR24HR	13A5001B	GEE	12.07	51.11	7.534	294524
G100YR24HR	13A5001B	GEE	12.07	70.17	10.514	411054
G002YR24HR	13A5002B	GEE	12.07	6.06	3.114	32897
G010YR24HR	13A5002B	GEE	12.07	10.31	5.414	57190
G025YR24HR	13A5002B	GEE	12.07	13.30	7.074	74722
G100YR24HR	13A5002B	GEE	12.07	18.52	10.030	105947
G002YR24HR	13A5100B	GEE	12.07	35.26	3.705	198890
G010YR24HR	13A5100B	GEE	12.07	56.39	6.077	326270
G025YR24HR	13A5100B	GEE	12.07	71.21	7.767	416989
G100YR24HR	13A5100B	GEE	12.07	97.21	10.756	577487
G002YR24HR	13A5101B	GEE	12.07	21.67	2.728	116649
G010YR24HR	13A5101B	GEE	12.07	38.86	4.952	211766
G025YR24HR	13A5101B	GEE	12.07	51.07	6.579	281329
G100YR24HR	13A5101B	GEE	12.07	72.46	9.497	406101
G002YR24HR	13A5300B	GEE	12.07	6.96	3.107	37789
G010YR24HR	13A5300B	GEE	12.07	11.86	5.406	65741
G025YR24HR	13A5300B	GEE	12.07	15.30	7.065	85918
G100YR24HR	13A5300B	GEE	12.07	21.31	10.021	121857
G002YR24HR	13A5320B	GEE	12.10	6.59	1.078	41248
G010YR24HR	13A5320B	GEE	12.10	18.27	2.647	101289
G025YR24HR	13A5320B	GEE	12.10	27.75	3.939	150704
G100YR24HR	13A5320B	GEE	12.10	45.66	6.425	245813
G002YR24HR	13A5400B	GEE	12.20	32.76	2.720	234284
G010YR24HR	13A5400B	GEE	12.20	59.14	4.942	425670
G025YR24HR	13A5400B	GEE	12.20	77.92	6.567	565678
G100YR24HR	13A5400B	GEE	12.20	110.87	9.483	816840
G002YR24HR	13A5500B	GEE	12.10	16.81	2.305	90633
G010YR24HR	13A5500B	GEE	12.07	32.22	4.419	173714
G025YR24HR	13A5500B	GEE	12.07	43.42	5.994	235659
G100YR24HR	13A5500B	GEE	12.07	63.24	8.851	347970
G002YR24HR	13A5600B	GEE	12.07	21.64	3.098	117397
G010YR24HR	13A5600B	GEE	12.07	36.90	5.395	204447
G025YR24HR	13A5600B	GEE	12.07	47.62	7.053	267300
G100YR24HR	13A5600B	GEE	12.07	66.37	10.008	379271
G002YR24HR	13A5800B	GEE	12.07	6.37	3.499	35308
G010YR24HR	13A5800B	GEE	12.07	10.38	5.851	59049
G025YR24HR	13A5800B	GEE	12.07	13.19	7.533	76020
G100YR24HR	13A5800B	GEE	12.07	18.11	10.514	106099

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13A6000B	GEE	12.07	184.99	2.843	997162
G010YR24HR	13A6000B	GEE	12.07	326.35	5.092	1786184
G025YR24HR	13A6000B	GEE	12.07	426.30	6.729	2360724
G100YR24HR	13A6000B	GEE	12.07	601.25	9.660	3388833
G002YR24HR	13A6200B	GEE	12.33	224.12	3.546	2061076
G010YR24HR	13A6200B	GEE	12.33	365.38	5.901	3429449
G025YR24HR	13A6200B	GEE	12.33	464.39	7.582	4406564
G100YR24HR	13A6200B	GEE	12.33	637.77	10.560	6137486
G002YR24HR	13A6201B	GEE	12.07	16.74	3.614	93660
G010YR24HR	13A6201B	GEE	12.07	26.99	5.978	154944
G025YR24HR	13A6201B	GEE	12.07	34.17	7.665	198655
G100YR24HR	13A6201B	GEE	12.07	46.76	10.651	276045
G002YR24HR	13B0200B	GEE	12.75	3.65	1.167	48077
G010YR24HR	13B0200B	GEE	12.67	9.73	2.789	114919
G025YR24HR	13B0200B	GEE	12.67	14.71	4.110	169349
G100YR24HR	13B0200B	GEE	12.67	24.13	6.636	273422
G002YR24HR	13B0400B	GEE	14.57	0.16	0.105	5438
G010YR24HR	13B0400B	GEE	12.33	3.89	0.728	37529
G025YR24HR	13B0400B	GEE	12.13	9.61	1.417	73075
G100YR24HR	13B0400B	GEE	12.10	25.14	2.985	153992
G002YR24HR	13B0500B	GEE	12.37	0.95	0.333	11954
G010YR24HR	13B0500B	GEE	12.13	6.52	1.285	46123
G025YR24HR	13B0500B	GEE	12.10	12.87	2.198	78904
G100YR24HR	13B0500B	GEE	12.10	26.36	4.126	148129
G002YR24HR	13B0710B	GEE	12.23	49.31	2.637	379009
G010YR24HR	13B0710B	GEE	12.23	90.33	4.839	695608
G025YR24HR	13B0710B	GEE	12.23	119.65	6.456	928007
G100YR24HR	13B0710B	GEE	12.23	171.20	9.361	1345691
G002YR24HR	13B0740B	GEE	12.10	4.49	1.866	24582
G010YR24HR	13B0740B	GEE	12.10	9.37	3.827	50426
G025YR24HR	13B0740B	GEE	12.07	13.04	5.328	70211
G100YR24HR	13B0740B	GEE	12.07	19.66	8.093	106642
G002YR24HR	13C0100B	GEE	12.29	13.73	2.368	110901
G010YR24HR	13C0100B	GEE	12.29	26.25	4.500	210701
G025YR24HR	13C0100B	GEE	12.29	35.32	6.083	284869
G100YR24HR	13C0100B	GEE	12.29	51.37	8.950	419091
G002YR24HR	13C0500B	GEE	12.07	9.60	2.823	51751
G010YR24HR	13C0500B	GEE	12.07	16.99	5.068	92908
G025YR24HR	13C0500B	GEE	12.07	22.21	6.704	122898
G100YR24HR	13C0500B	GEE	12.07	31.36	9.633	176585
G002YR24HR	13C0600B	GEE	12.07	25.48	3.666	143186
G010YR24HR	13C0600B	GEE	12.07	40.88	6.035	235728
G025YR24HR	13C0600B	GEE	12.07	51.68	7.724	301676
G100YR24HR	13C0600B	GEE	12.07	70.62	10.712	418385
G002YR24HR	13C0800B	GEE	12.07	2.06	2.728	11091
G010YR24HR	13C0800B	GEE	12.07	3.69	4.952	20134
G025YR24HR	13C0800B	GEE	12.07	4.86	6.579	26748
G100YR24HR	13C0800B	GEE	12.07	6.89	9.497	38611
G002YR24HR	13C1000B	GEE	12.07	13.74	3.622	76919
G010YR24HR	13C1000B	GEE	12.07	22.13	5.987	127147
G025YR24HR	13C1000B	GEE	12.07	28.02	7.674	162968
G100YR24HR	13C1000B	GEE	12.07	38.33	10.661	226383
G002YR24HR	13C1001B	GEE	12.07	5.85	2.731	31521
G010YR24HR	13C1001B	GEE	12.07	10.50	4.956	57204
G025YR24HR	13C1001B	GEE	12.07	13.79	6.583	75986
G100YR24HR	13C1001B	GEE	12.07	19.57	9.501	109672
G002YR24HR	13C1100B	GEE	12.07	17.22	3.632	96502
G010YR24HR	13C1100B	GEE	12.07	27.72	5.998	159375
G025YR24HR	13C1100B	GEE	12.07	35.08	7.685	204206
G100YR24HR	13C1100B	GEE	12.07	47.98	10.672	283567
G002YR24HR	13C1120B	GEE	12.16	40.78	2.917	270241
G010YR24HR	13C1120B	GEE	12.16	71.44	5.181	479993
G025YR24HR	13C1120B	GEE	12.16	93.10	6.826	632324
G100YR24HR	13C1120B	GEE	12.16	131.00	9.764	904527
G002YR24HR	13C1200B	GEE	12.07	8.95	3.622	50096
G010YR24HR	13C1200B	GEE	12.07	14.41	5.987	82809
G025YR24HR	13C1200B	GEE	12.07	18.25	7.674	106138

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13C1200B	GEE	12.07	24.96	10.661	147439
G002YR24HR	13C1201B	GEE	12.07	8.83	2.728	47531
G010YR24HR	13C1201B	GEE	12.07	15.84	4.952	86288
G025YR24HR	13C1201B	GEE	12.07	20.81	6.579	114633
G100YR24HR	13C1201B	GEE	12.07	29.53	9.497	165474
G002YR24HR	13C1300B	GEE	12.07	10.78	3.734	60990
G010YR24HR	13C1300B	GEE	12.07	17.20	6.109	99786
G025YR24HR	13C1300B	GEE	12.07	21.70	7.799	127403
G100YR24HR	13C1300B	GEE	12.07	29.61	10.790	176253
G002YR24HR	13C1301B	GEE	12.07	4.69	2.728	25251
G010YR24HR	13C1301B	GEE	12.07	8.41	4.952	45841
G025YR24HR	13C1301B	GEE	12.07	11.05	6.579	60899
G100YR24HR	13C1301B	GEE	12.07	15.69	9.497	87908
G002YR24HR	13C1350B	GEE	14.25	46.90	2.130	1202542
G010YR24HR	13C1350B	GEE	14.17	94.67	4.187	2363644
G025YR24HR	13C1350B	GEE	14.17	130.42	5.736	3237720
G100YR24HR	13C1350B	GEE	14.17	194.83	8.558	4831255
G002YR24HR	13C1370B	GEE	16.77	14.10	1.145	86252
G010YR24HR	13C1370B	GEE	16.77	37.65	2.755	207531
G025YR24HR	13C1370B	GEE	16.77	56.59	4.070	306550
G100YR24HR	13C1370B	GEE	16.77	92.17	6.587	496184
G002YR24HR	13C1400B	GEE	12.07	10.48	2.728	56443
G010YR24HR	13C1400B	GEE	12.07	18.80	4.952	102467
G025YR24HR	13C1400B	GEE	12.07	24.71	6.579	136127
G100YR24HR	13C1400B	GEE	12.07	35.06	9.497	196500
G002YR24HR	13C1700B	GEE	12.07	10.01	2.728	53868
G010YR24HR	13C1700B	GEE	12.07	17.95	4.952	97793
G025YR24HR	13C1700B	GEE	12.07	23.58	6.579	129917
G100YR24HR	13C1700B	GEE	12.07	33.46	9.497	187537
G002YR24HR	13C1800B	GEE	12.07	18.85	2.728	101499
G010YR24HR	13C1800B	GEE	12.07	33.81	4.952	184261
G025YR24HR	13C1800B	GEE	12.07	44.44	6.579	244789
G100YR24HR	13C1800B	GEE	12.07	63.05	9.497	353356
G002YR24HR	13C1801B	GEE	12.50	16.19	1.811	162955
G010YR24HR	13C1801B	GEE	12.50	34.70	3.749	337365
G025YR24HR	13C1801B	GEE	12.50	48.67	5.238	471389
G100YR24HR	13C1801B	GEE	12.50	73.95	7.987	718708
G002YR24HR	13C1802B	GEE	12.92	13.44	1.027	211842
G010YR24HR	13C1802B	GEE	12.83	38.39	2.563	528722
G025YR24HR	13C1802B	GEE	12.83	59.46	3.835	791174
G100YR24HR	13C1802B	GEE	12.83	99.93	6.294	1298318
G002YR24HR	13C1850B	GEE	13.00	28.19	3.219	423051
G010YR24HR	13C1850B	GEE	13.00	47.89	5.535	727272
G025YR24HR	13C1850B	GEE	13.00	61.76	7.200	946160
G100YR24HR	13C1850B	GEE	13.00	86.06	10.162	1335396
G002YR24HR	13C1851B	GEE	12.07	4.54	2.728	24459
G010YR24HR	13C1851B	GEE	12.07	8.15	4.952	44402
G025YR24HR	13C1851B	GEE	12.07	10.71	6.579	58988
G100YR24HR	13C1851B	GEE	12.07	15.19	9.497	85150
G002YR24HR	13C1900B	GEE	12.10	5.55	2.190	29974
G010YR24HR	13C1900B	GEE	12.07	10.85	4.268	58403
G025YR24HR	13C1900B	GEE	12.07	14.73	5.826	79732
G100YR24HR	13C1900B	GEE	12.07	21.64	8.662	118542
G002YR24HR	13C1901B	GEE	14.70	6.15	1.069	116381
G010YR24HR	13C1901B	GEE	14.62	17.14	2.632	286555
G025YR24HR	13C1901B	GEE	14.62	26.35	3.920	426758
G100YR24HR	13C1901B	GEE	14.53	44.04	6.401	696786
G002YR24HR	13C2200B	GEE	12.50	18.58	1.864	181477
G010YR24HR	13C2200B	GEE	12.50	39.18	3.825	372358
G025YR24HR	13C2200B	GEE	12.42	54.82	5.326	518512
G100YR24HR	13C2200B	GEE	12.42	83.13	8.090	787637
G002YR24HR	13C2220B	GEE	12.10	9.79	1.264	57981
G010YR24HR	13C2220B	GEE	12.10	24.69	2.942	134995
G025YR24HR	13C2220B	GEE	12.10	36.50	4.295	197055
G100YR24HR	13C2220B	GEE	12.07	58.52	6.864	314947
G002YR24HR	13C2240B	GEE	12.13	4.59	0.803	33045

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13C2240B	GEE	12.10	15.63	2.186	89898
G025YR24HR	13C2240B	GEE	12.10	25.06	3.369	138546
G100YR24HR	13C2240B	GEE	12.10	43.38	5.701	234475
G002YR24HR	13C2260B	GEE	12.10	15.78	1.362	91604
G010YR24HR	13C2260B	GEE	12.10	38.25	3.093	208075
G025YR24HR	13C2260B	GEE	12.10	55.84	4.475	301004
G100YR24HR	13C2260B	GEE	12.07	88.51	7.083	476453
G002YR24HR	13C2280B	GEE	12.27	74.72	1.544	592122
G010YR24HR	13C2280B	GEE	12.27	172.15	3.366	1291015
G025YR24HR	13C2280B	GEE	12.27	247.35	4.796	1839458
G100YR24HR	13C2280B	GEE	12.20	385.36	7.469	2864424
G002YR24HR	13C2400B	GEE	12.07	41.97	3.203	228678
G010YR24HR	13C2400B	GEE	12.07	70.67	5.516	393887
G025YR24HR	13C2400B	GEE	12.07	90.79	7.182	512817
G100YR24HR	13C2400B	GEE	12.07	125.98	10.145	724357
G002YR24HR	13C2401B	GEE	12.10	15.04	1.269	89021
G010YR24HR	13C2401B	GEE	12.10	37.86	2.951	206956
G025YR24HR	13C2401B	GEE	12.10	55.93	4.305	301935
G100YR24HR	13C2401B	GEE	12.07	89.61	6.877	482295
G002YR24HR	13C2402B	GEE	12.22	31.24	1.981	216582
G010YR24HR	13C2402B	GEE	12.17	64.43	3.986	435809
G025YR24HR	13C2402B	GEE	12.17	89.15	5.509	602368
G100YR24HR	13C2402B	GEE	12.17	133.48	8.302	907659
G002YR24HR	13D0170B	GEE	12.13	19.35	2.877	117695
G010YR24HR	13D0170B	GEE	12.13	33.98	5.133	209997
G025YR24HR	13D0170B	GEE	12.13	44.32	6.774	277126
G100YR24HR	13D0170B	GEE	12.13	62.43	9.708	397169
G002YR24HR	13D0310B	GEE	12.07	2.02	2.748	10873
G010YR24HR	13D0310B	GEE	12.07	3.61	4.977	19691
G025YR24HR	13D0310B	GEE	12.07	4.74	6.606	26136
G100YR24HR	13D0310B	GEE	12.07	6.72	9.526	37690
G002YR24HR	13D0330B	GEE	12.24	49.20	2.716	358671
G010YR24HR	13D0330B	GEE	12.24	88.56	4.937	652004
G025YR24HR	13D0330B	GEE	12.24	116.56	6.562	866627
G100YR24HR	13D0330B	GEE	12.18	165.83	9.478	1251680
G002YR24HR	13D0610B	GEE	12.18	26.85	2.728	188639
G010YR24HR	13D0610B	GEE	12.18	48.44	4.952	342456
G025YR24HR	13D0610B	GEE	12.18	63.80	6.579	454950
G100YR24HR	13D0610B	GEE	12.18	90.76	9.497	656725
G002YR24HR	13D0630B	GEE	12.07	6.84	2.728	36837
G010YR24HR	13D0630B	GEE	12.07	12.27	4.952	66873
G025YR24HR	13D0630B	GEE	12.07	16.13	6.579	88841
G100YR24HR	13D0630B	GEE	12.07	22.88	9.497	128242
G002YR24HR	13D0750B	GEE	12.07	8.94	2.728	48125
G010YR24HR	13D0750B	GEE	12.07	16.03	4.952	87367
G025YR24HR	13D0750B	GEE	12.07	21.07	6.579	116066
G100YR24HR	13D0750B	GEE	12.07	29.90	9.497	167542
G002YR24HR	13D0751B	GEE	12.16	38.21	2.851	253024
G010YR24HR	13D0751B	GEE	12.16	67.56	5.102	452800
G025YR24HR	13D0751B	GEE	12.16	88.34	6.740	598227
G100YR24HR	13D0751B	GEE	12.16	124.72	9.672	858417
G002YR24HR	13D0801B	GEE	12.42	34.18	2.522	320023
G010YR24HR	13D0801B	GEE	12.42	63.77	4.696	595735
G025YR24HR	13D0801B	GEE	12.42	85.06	6.299	799124
G100YR24HR	13D0801B	GEE	12.42	122.60	9.188	1165671
G002YR24HR	13D0802B	GEE	12.13	22.07	2.692	137303
G010YR24HR	13D0802B	GEE	12.13	39.87	4.908	250320
G025YR24HR	13D0802B	GEE	12.13	52.55	6.531	333091
G100YR24HR	13D0802B	GEE	12.13	74.78	9.444	481669
G002YR24HR	13F0400B	GEE	12.50	90.08	3.422	946914
G010YR24HR	13F0400B	GEE	12.50	148.93	5.766	1595214
G025YR24HR	13F0400B	GEE	12.50	190.21	7.443	2059372
G100YR24HR	13F0400B	GEE	12.50	262.43	10.419	2882690
G002YR24HR	13F0401B	GEE	13.50	9.34	2.991	178277
G010YR24HR	13F0401B	GEE	13.42	16.40	5.268	314003
G025YR24HR	13F0401B	GEE	13.42	21.42	6.918	412324
G100YR24HR	13F0401B	GEE	13.42	30.25	9.861	587780

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13F0410B	GEE	12.10	14.37	2.214	77632
G010YR24HR	13F0410B	GEE	12.07	27.99	4.299	150743
G025YR24HR	13F0410B	GEE	12.07	37.96	5.861	205523
G100YR24HR	13F0410B	GEE	12.07	55.64	8.701	305123
G002YR24HR	13F0420B	GEE	12.10	14.68	2.406	79054
G010YR24HR	13F0420B	GEE	12.07	27.67	4.549	149448
G025YR24HR	13F0420B	GEE	12.07	37.05	6.139	201666
G100YR24HR	13F0420B	GEE	12.07	53.60	9.012	296067
G002YR24HR	13F0430B	GEE	12.16	57.72	3.464	390286
G010YR24HR	13F0430B	GEE	12.16	94.62	5.813	654925
G025YR24HR	13F0430B	GEE	12.16	120.47	7.493	844233
G100YR24HR	13F0430B	GEE	12.16	165.71	10.472	1179879
G002YR24HR	13F0440B	GEE	12.07	1.93	4.343	11982
G010YR24HR	13F0440B	GEE	12.07	2.99	6.744	18606
G025YR24HR	13F0440B	GEE	12.07	3.74	8.445	23297
G100YR24HR	13F0440B	GEE	12.07	5.06	11.446	31577
G002YR24HR	13F0450B	GEE	12.75	10.83	2.776	137033
G010YR24HR	13F0450B	GEE	12.75	19.50	5.010	247330
G025YR24HR	13F0450B	GEE	12.75	25.69	6.641	327840
G100YR24HR	13F0450B	GEE	12.75	36.56	9.563	472100
G002YR24HR	13F0750B	GEE	12.10	4.29	1.284	25310
G010YR24HR	13F0750B	GEE	12.10	10.73	2.974	58616
G025YR24HR	13F0750B	GEE	12.10	15.82	4.333	85398
G100YR24HR	13F0750B	GEE	12.07	25.31	6.910	136208
G002YR24HR	13F0760B	GEE	12.10	3.50	1.088	21806
G010YR24HR	13F0760B	GEE	12.10	9.64	2.664	53377
G025YR24HR	13F0760B	GEE	12.10	14.61	3.959	79328
G100YR24HR	13F0760B	GEE	12.10	24.01	6.450	129237
G002YR24HR	13F0770B	GEE	12.75	3.55	0.942	49314
G010YR24HR	13F0770B	GEE	12.67	10.66	2.422	126776
G025YR24HR	13F0770B	GEE	12.67	16.73	3.662	191666
G100YR24HR	13F0770B	GEE	12.67	28.43	6.074	317950
G002YR24HR	13F1000B	GEE	12.37	20.41	1.355	180376
G010YR24HR	13F1000B	GEE	12.37	49.83	3.082	410369
G025YR24HR	13F1000B	GEE	12.29	73.37	4.461	593990
G100YR24HR	13F1000B	GEE	12.29	117.24	7.066	940804
G002YR24HR	13F1001B	GEE	12.33	8.46	1.380	69790
G010YR24HR	13F1001B	GEE	12.26	20.51	3.121	157819
G025YR24HR	13F1001B	GEE	12.26	30.07	4.508	227927
G100YR24HR	13F1001B	GEE	12.26	47.79	7.122	360144
G002YR24HR	13F1110B	GEE	12.37	0.38	0.315	5084
G010YR24HR	13F1110B	GEE	12.13	2.80	1.247	20091
G025YR24HR	13F1110B	GEE	12.10	5.59	2.146	34589
G100YR24HR	13F1110B	GEE	12.10	11.58	4.053	65324
G002YR24HR	13F1120B	GEE	12.30	1.02	0.645	8407
G010YR24HR	13F1120B	GEE	12.10	4.15	1.902	24788
G025YR24HR	13F1120B	GEE	12.10	6.96	3.009	39215
G100YR24HR	13F1120B	GEE	12.10	12.53	5.231	68175
G002YR24HR	13F1130B	GEE	12.58	3.03	0.726	39396
G010YR24HR	13F1130B	GEE	12.50	10.71	2.049	111131
G025YR24HR	13F1130B	GEE	12.50	17.60	3.196	173325
G100YR24HR	13F1130B	GEE	12.50	31.20	5.476	296969
G002YR24HR	13F1150B	GEE	12.50	6.15	1.254	60849
G010YR24HR	13F1150B	GEE	12.42	15.77	2.925	141983
G025YR24HR	13F1150B	GEE	12.42	23.45	4.274	207420
G100YR24HR	13F1150B	GEE	12.33	37.82	6.836	331794
G002YR24HR	13F1154B	GEE	12.92	0.93	0.413	18393
G010YR24HR	13F1154B	GEE	12.67	4.97	1.453	64681
G025YR24HR	13F1154B	GEE	12.67	9.14	2.424	107870
G100YR24HR	13F1154B	GEE	12.58	18.07	4.441	197620
G002YR24HR	13F1158B	GEE	12.42	1.32	0.539	15079
G010YR24HR	13F1158B	GEE	12.30	5.79	1.704	47619
G025YR24HR	13F1158B	GEE	12.24	10.06	2.753	76951
G100YR24HR	13F1158B	GEE	12.24	18.87	4.890	136672
G002YR24HR	13F1170B	GEE	12.23	5.08	0.939	39542
G010YR24HR	13F1170B	GEE	12.18	15.37	2.418	101809

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13F1170B	GEE	12.13	24.02	3.657	154002
G100YR24HR	13F1170B	GEE	12.13	40.83	6.070	255610
G002YR24HR	13F1300B	GEE	12.07	11.97	2.887	64560
G010YR24HR	13F1300B	GEE	12.07	20.98	5.145	115057
G025YR24HR	13F1300B	GEE	12.07	27.35	6.787	151769
G100YR24HR	13F1300B	GEE	12.07	38.48	9.723	217406
G002YR24HR	13F1301B	GEE	12.10	2.27	1.137	13952
G010YR24HR	13F1301B	GEE	12.10	6.10	2.743	33650
G025YR24HR	13F1301B	GEE	12.10	9.18	4.054	49746
G100YR24HR	13F1301B	GEE	12.10	14.97	6.568	80591
G002YR24HR	13F1320B	GEE	12.07	5.21	2.728	28023
G010YR24HR	13F1320B	GEE	12.07	9.34	4.952	50874
G025YR24HR	13F1320B	GEE	12.07	12.27	6.579	67586
G100YR24HR	13F1320B	GEE	12.07	17.41	9.497	97561
G002YR24HR	13F1324B	GEE	12.67	15.17	1.765	170776
G010YR24HR	13F1324B	GEE	12.58	33.03	3.684	356544
G025YR24HR	13F1324B	GEE	12.58	46.62	5.164	499782
G100YR24HR	13F1324B	GEE	12.58	71.29	7.901	764642
G002YR24HR	13F1340B	GEE	12.17	12.56	2.495	85127
G010YR24HR	13F1340B	GEE	12.17	23.49	4.662	159071
G025YR24HR	13F1340B	GEE	12.17	31.35	6.263	213692
G100YR24HR	13F1340B	GEE	12.17	45.20	9.150	312204
G002YR24HR	13F1360B	GEE	12.07	7.67	2.728	41293
G010YR24HR	13F1360B	GEE	12.07	13.76	4.952	74963
G025YR24HR	13F1360B	GEE	12.07	18.08	6.579	99587
G100YR24HR	13F1360B	GEE	12.07	25.65	9.497	143756
G002YR24HR	13F1374B	GEE	12.16	11.06	1.875	73990
G010YR24HR	13F1374B	GEE	12.16	23.30	3.840	151512
G025YR24HR	13F1374B	GEE	12.16	32.47	5.343	210821
G100YR24HR	13F1374B	GEE	12.16	48.97	8.109	319980
G002YR24HR	13F1378B	GEE	12.40	6.14	0.862	59370
G010YR24HR	13F1378B	GEE	12.33	19.39	2.287	157497
G025YR24HR	13F1378B	GEE	12.26	30.76	3.495	240682
G100YR24HR	13F1378B	GEE	12.26	53.10	5.863	403766
G002YR24HR	13F1380B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13F1380B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13F1380B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13F1380B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13F1400B	GEE	12.24	11.95	2.724	87119
G010YR24HR	13F1400B	GEE	12.24	21.48	4.947	158213
G025YR24HR	13F1400B	GEE	12.24	28.26	6.573	210214
G100YR24HR	13F1400B	GEE	12.18	40.19	9.490	303492
G002YR24HR	13F1404B	GEE	12.07	8.04	2.793	43287
G010YR24HR	13F1404B	GEE	12.07	14.28	5.031	77986
G025YR24HR	13F1404B	GEE	12.07	18.70	6.664	103300
G100YR24HR	13F1404B	GEE	12.07	26.44	9.590	148643
G002YR24HR	13F1420B	GEE	12.07	3.83	2.652	20603
G010YR24HR	13F1420B	GEE	12.07	6.94	4.859	37746
G025YR24HR	13F1420B	GEE	12.07	9.16	6.478	50322
G100YR24HR	13F1420B	GEE	12.07	13.06	9.387	72916
G002YR24HR	13F1440B	GEE	12.07	7.39	3.008	39966
G010YR24HR	13F1440B	GEE	12.07	12.74	5.290	70276
G025YR24HR	13F1440B	GEE	12.07	16.51	6.941	92221
G100YR24HR	13F1440B	GEE	12.07	23.10	9.888	131374
G002YR24HR	13F1500B	GEE	12.10	10.16	1.446	58144
G010YR24HR	13F1500B	GEE	12.10	23.89	3.220	129515
G025YR24HR	13F1500B	GEE	12.10	34.54	4.625	186012
G100YR24HR	13F1500B	GEE	12.07	54.24	7.264	292159
G002YR24HR	13G0400B	GEE	12.07	3.58	3.108	19408
G010YR24HR	13G0400B	GEE	12.07	6.09	5.407	33761
G025YR24HR	13G0400B	GEE	12.07	7.86	7.067	44121
G100YR24HR	13G0400B	GEE	12.07	10.94	10.022	62573
G002YR24HR	13G0500B	GEE	12.07	4.71	3.071	25525
G010YR24HR	13G0500B	GEE	12.07	8.06	5.363	44581
G025YR24HR	13G0500B	GEE	12.07	10.41	7.020	58352
G100YR24HR	13G0500B	GEE	12.07	14.53	9.972	82894

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13G0501B	GEE	12.50	17.73	3.018	177925
G010YR24HR	13G0501B	GEE	12.50	30.74	5.299	312405
G025YR24HR	13G0501B	GEE	12.50	39.91	6.950	409733
G100YR24HR	13G0501B	GEE	12.50	55.98	9.895	583332
G002YR24HR	13G0600B	GEE	12.07	8.99	2.885	48493
G010YR24HR	13G0600B	GEE	12.07	15.76	5.143	86442
G025YR24HR	13G0600B	GEE	12.07	20.55	6.785	114032
G100YR24HR	13G0600B	GEE	12.07	28.92	9.720	163364
G002YR24HR	13G1200B	GEE	12.07	88.23	3.652	495275
G010YR24HR	13G1200B	GEE	12.07	141.75	6.020	816422
G025YR24HR	13G1200B	GEE	12.07	179.27	7.708	1045333
G100YR24HR	13G1200B	GEE	12.07	245.06	10.695	1450488
G002YR24HR	13G1201B	GEE	12.22	5.08	1.555	36635
G010YR24HR	13G1201B	GEE	12.17	11.63	3.383	79691
G025YR24HR	13G1201B	GEE	12.17	16.74	4.815	113446
G100YR24HR	13G1201B	GEE	12.17	26.12	7.492	176494
G002YR24HR	13G1202B	GEE	12.07	44.91	2.752	241811
G010YR24HR	13G1202B	GEE	12.07	80.27	4.981	437758
G025YR24HR	13G1202B	GEE	12.07	105.35	6.610	580930
G100YR24HR	13G1202B	GEE	12.07	149.29	9.531	837603
G002YR24HR	13G2200B	GEE	12.24	8.62	3.035	63125
G010YR24HR	13G2200B	GEE	12.24	14.84	5.321	110667
G025YR24HR	13G2200B	GEE	12.18	19.24	6.974	145059
G100YR24HR	13G2200B	GEE	12.18	26.96	9.923	206389
G002YR24HR	13G2201B	GEE	12.24	17.21	1.821	129842
G010YR24HR	13G2201B	GEE	12.24	36.72	3.765	268384
G025YR24HR	13G2201B	GEE	12.24	51.41	5.257	374778
G100YR24HR	13G2201B	GEE	12.24	77.91	8.010	571036
G002YR24HR	13H0100B	GEE	12.10	54.31	1.759	299893
G010YR24HR	13H0100B	GEE	12.10	116.39	3.677	626871
G025YR24HR	13H0100B	GEE	12.07	163.33	5.157	879113
G100YR24HR	13H0100B	GEE	12.07	248.64	7.894	1345665
G002YR24HR	13H0101B	GEE	12.16	19.76	2.533	128350
G010YR24HR	13H0101B	GEE	12.16	36.58	4.709	238648
G025YR24HR	13H0101B	GEE	12.16	48.65	6.314	319980
G100YR24HR	13H0101B	GEE	12.16	69.88	9.206	466521
G002YR24HR	13H0150B	GEE	12.10	19.07	2.308	102795
G010YR24HR	13H0150B	GEE	12.07	36.53	4.422	196956
G025YR24HR	13H0150B	GEE	12.07	49.23	5.998	267154
G100YR24HR	13H0150B	GEE	12.07	71.68	8.855	394417
G002YR24HR	13H0200B	GEE	12.10	44.50	2.071	241381
G010YR24HR	13H0200B	GEE	12.07	88.97	4.108	478843
G025YR24HR	13H0200B	GEE	12.07	121.93	5.647	658248
G100YR24HR	13H0200B	GEE	12.07	180.68	8.459	986007
G002YR24HR	13H0220B	GEE	12.07	5.33	3.617	29803
G010YR24HR	13H0220B	GEE	12.07	8.58	5.982	49290
G025YR24HR	13H0220B	GEE	12.07	10.87	7.668	63188
G100YR24HR	13H0220B	GEE	12.07	14.87	10.654	87793
G002YR24HR	13H0240B	GEE	12.07	16.28	3.609	91061
G010YR24HR	13H0240B	GEE	12.07	26.26	5.974	150703
G025YR24HR	13H0240B	GEE	12.07	33.25	7.660	193247
G100YR24HR	13H0240B	GEE	12.07	45.51	10.646	268573
G002YR24HR	13H0300B	GEE	12.07	49.80	3.396	274187
G010YR24HR	13H0300B	GEE	12.07	82.05	5.737	463146
G025YR24HR	13H0300B	GEE	12.07	104.63	7.414	598515
G100YR24HR	13H0300B	GEE	12.07	144.13	10.389	838706
G002YR24HR	13H0320B	GEE	12.07	7.61	3.624	42626
G010YR24HR	13H0320B	GEE	12.07	12.26	5.990	70447
G025YR24HR	13H0320B	GEE	12.07	15.52	7.677	90287
G100YR24HR	13H0320B	GEE	12.07	21.23	10.663	125411
G002YR24HR	13H0340B	GEE	12.07	6.21	3.808	35385
G010YR24HR	13H0340B	GEE	12.07	9.84	6.188	57507
G025YR24HR	13H0340B	GEE	12.07	12.40	7.881	73238
G100YR24HR	13H0340B	GEE	12.07	16.88	10.874	101051
G002YR24HR	13H0350B	GEE	12.10	15.85	2.140	85770
G010YR24HR	13H0350B	GEE	12.07	31.27	4.201	168361
G025YR24HR	13H0350B	GEE	12.07	42.64	5.752	230503

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13H0350B	GEE	12.07	62.85	8.578	343762
G002YR24HR	13I0300B	GEE	12.33	21.92	3.533	190332
G010YR24HR	13I0300B	GEE	12.33	35.72	5.888	317164
G025YR24HR	13I0300B	GEE	12.33	45.39	7.569	407757
G100YR24HR	13I0300B	GEE	12.33	62.33	10.549	568264
G002YR24HR	13I0600B	GEE	12.07	205.88	2.948	1112110
G010YR24HR	13I0600B	GEE	12.07	358.00	5.218	1968555
G025YR24HR	13I0600B	GEE	12.07	465.23	6.865	2589894
G100YR24HR	13I0600B	GEE	12.07	652.76	9.806	3699560
G002YR24HR	13I0610B	GEE	12.10	6.56	1.884	35913
G010YR24HR	13I0610B	GEE	12.10	13.64	3.853	73430
G025YR24HR	13I0610B	GEE	12.07	18.96	5.358	102116
G100YR24HR	13I0610B	GEE	12.07	28.54	8.128	154894
G002YR24HR	13I0620B	GEE	12.50	8.39	0.980	89725
G010YR24HR	13I0620B	GEE	12.42	24.55	2.485	227563
G025YR24HR	13I0620B	GEE	12.42	38.15	3.739	342437
G100YR24HR	13I0620B	GEE	12.42	64.20	6.172	565269
G002YR24HR	13I0630B	GEE	12.75	49.26	3.053	606983
G010YR24HR	13I0630B	GEE	12.75	85.14	5.340	1061677
G025YR24HR	13I0630B	GEE	12.75	110.47	6.993	1390390
G100YR24HR	13I0630B	GEE	12.75	154.85	9.941	1976358
G002YR24HR	13I0631B	GEE	13.04	27.10	2.439	208725
G010YR24HR	13I0631B	GEE	12.97	51.16	4.590	392861
G025YR24HR	13I0631B	GEE	12.97	68.59	6.183	529235
G100YR24HR	13I0631B	GEE	12.97	99.38	9.061	775553
G002YR24HR	13I0640B	GEE	12.39	17.63	1.221	157817
G010YR24HR	13I0640B	GEE	12.32	45.58	2.875	371573
G025YR24HR	13I0640B	GEE	12.32	68.12	4.214	544596
G100YR24HR	13I0640B	GEE	12.32	110.39	6.765	874190
G002YR24HR	13I0660B	GEE	12.07	35.31	2.642	190052
G010YR24HR	13I0660B	GEE	12.07	64.16	4.846	348638
G025YR24HR	13I0660B	GEE	12.07	84.72	6.464	465027
G100YR24HR	13I0660B	GEE	12.07	120.80	9.371	674191
G002YR24HR	13I0900B	GEE	12.10	8.06	1.268	47688
G010YR24HR	13I0900B	GEE	12.10	20.29	2.949	110902
G025YR24HR	13I0900B	GEE	12.10	29.97	4.303	161818
G100YR24HR	13I0900B	GEE	12.07	48.03	6.874	258513
G002YR24HR	13I1000B	GEE	12.10	18.42	2.076	99908
G010YR24HR	13I1000B	GEE	12.07	36.80	4.115	198049
G025YR24HR	13I1000B	GEE	12.07	50.41	5.655	272174
G100YR24HR	13I1000B	GEE	12.07	74.67	8.467	407572
G002YR24HR	13I1200B	GEE	12.33	85.19	2.485	715523
G010YR24HR	13I1200B	GEE	12.33	159.56	4.649	1338687
G025YR24HR	13I1200B	GEE	12.33	213.11	6.249	1799212
G100YR24HR	13I1200B	GEE	12.33	307.57	9.134	2630002
G002YR24HR	13I1201B	GEE	12.50	53.90	2.618	516682
G010YR24HR	13I1201B	GEE	12.42	98.96	4.816	950416
G025YR24HR	13I1201B	GEE	12.42	131.36	6.430	1269041
G100YR24HR	13I1201B	GEE	12.42	188.41	9.333	1841942
G002YR24HR	13I1220B	GEE	12.42	17.56	2.472	158086
G010YR24HR	13I1220B	GEE	12.42	32.90	4.630	296131
G025YR24HR	13I1220B	GEE	12.42	43.95	6.226	398193
G100YR24HR	13I1220B	GEE	12.33	63.54	9.105	582360
G002YR24HR	13I1300B	GEE	12.10	11.29	2.066	61276
G010YR24HR	13I1300B	GEE	12.07	22.60	4.102	121646
G025YR24HR	13I1300B	GEE	12.07	30.99	5.640	167270
G100YR24HR	13I1300B	GEE	12.07	45.93	8.451	250634
G002YR24HR	13I1500B	GEE	12.58	6.80	3.190	75510
G010YR24HR	13I1500B	GEE	12.58	11.55	5.500	130171
G025YR24HR	13I1500B	GEE	12.58	14.90	7.163	169529
G100YR24HR	13I1500B	GEE	12.58	20.75	10.121	239544
G002YR24HR	13I1501B	GEE	12.42	104.09	2.783	923917
G010YR24HR	13I1501B	GEE	12.33	186.35	5.016	1665607
G025YR24HR	13I1501B	GEE	12.33	245.05	6.646	2206794
G100YR24HR	13I1501B	GEE	12.33	348.03	9.566	3176292
G002YR24HR	13I1502B	GEE	12.07	1.05	3.301	5753

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13I1502B	GEE	12.07	1.75	5.630	9809
G025YR24HR	13I1502B	GEE	12.07	2.24	7.301	12722
G100YR24HR	13I1502B	GEE	12.07	3.09	10.271	17896
G002YR24HR	13I1504B	GEE	12.07	2.19	3.301	11984
G010YR24HR	13I1504B	GEE	12.07	3.64	5.630	20436
G025YR24HR	13I1504B	GEE	12.07	4.66	7.301	26504
G100YR24HR	13I1504B	GEE	12.07	6.45	10.271	37283
G002YR24HR	13I1510B	GEE	12.67	17.61	2.394	196503
G010YR24HR	13I1510B	GEE	12.58	33.60	4.532	371931
G025YR24HR	13I1510B	GEE	12.58	45.25	6.118	502123
G100YR24HR	13I1510B	GEE	12.58	65.87	8.986	737545
G002YR24HR	13I1512B	GEE	12.67	2.41	2.394	26855
G010YR24HR	13I1512B	GEE	12.58	4.59	4.532	50830
G025YR24HR	13I1512B	GEE	12.58	6.18	6.118	68623
G100YR24HR	13I1512B	GEE	12.58	9.00	8.986	100797
G002YR24HR	13I1514B	GEE	12.33	93.75	3.063	809770
G010YR24HR	13I1514B	GEE	12.33	161.48	5.352	1414892
G025YR24HR	13I1514B	GEE	12.33	209.20	7.006	1852222
G100YR24HR	13I1514B	GEE	12.33	292.69	9.954	2631690
G002YR24HR	13I1540B	GEE	12.10	23.37	2.211	126227
G010YR24HR	13I1540B	GEE	12.07	45.53	4.295	245218
G025YR24HR	13I1540B	GEE	12.07	61.77	5.856	334392
G100YR24HR	13I1540B	GEE	12.07	90.56	8.696	496542
G002YR24HR	13I1560B	GEE	12.07	39.22	2.759	211186
G010YR24HR	13I1560B	GEE	12.07	70.02	4.990	382000
G025YR24HR	13I1560B	GEE	12.07	91.87	6.620	506774
G100YR24HR	13I1560B	GEE	12.07	130.14	9.541	730430
G002YR24HR	13J0300B	GEE	12.07	8.24	2.728	44362
G010YR24HR	13J0300B	GEE	12.07	14.78	4.952	80536
G025YR24HR	13J0300B	GEE	12.07	19.42	6.579	106991
G100YR24HR	13J0300B	GEE	12.07	27.56	9.497	154442
G002YR24HR	13J0320B	GEE	12.07	1.34	2.728	7229
G010YR24HR	13J0320B	GEE	12.07	2.41	4.952	13123
G025YR24HR	13J0320B	GEE	12.07	3.16	6.579	17434
G100YR24HR	13J0320B	GEE	12.07	4.49	9.497	25166
G002YR24HR	13J0340B	GEE	12.07	5.79	2.728	31192
G010YR24HR	13J0340B	GEE	12.07	10.39	4.952	56627
G025YR24HR	13J0340B	GEE	12.07	13.66	6.579	75228
G100YR24HR	13J0340B	GEE	12.07	19.38	9.497	108592
G002YR24HR	13J0341B	GEE	12.13	20.16	2.727	125438
G010YR24HR	13J0341B	GEE	12.13	36.23	4.951	227725
G025YR24HR	13J0341B	GEE	12.13	47.66	6.578	302533
G100YR24HR	13J0341B	GEE	12.13	67.69	9.495	436713
G002YR24HR	13J0401B	GEE	13.08	8.35	1.441	135605
G010YR24HR	13J0401B	GEE	13.00	20.01	3.213	302319
G025YR24HR	13J0401B	GEE	13.00	29.28	4.616	434331
G100YR24HR	13J0401B	GEE	13.00	46.52	7.253	682414
G002YR24HR	13J0402B	GEE	12.85	6.10	1.942	33280
G010YR24HR	13J0402B	GEE	12.85	12.52	3.933	67388
G025YR24HR	13J0402B	GEE	12.82	17.33	5.449	93368
G100YR24HR	13J0402B	GEE	12.82	25.95	8.233	141056
G002YR24HR	13J0600B	GEE	12.07	8.42	2.728	45353
G010YR24HR	13J0600B	GEE	12.07	15.11	4.952	82333
G025YR24HR	13J0600B	GEE	12.07	19.86	6.579	109379
G100YR24HR	13J0600B	GEE	12.07	28.17	9.497	157890
G002YR24HR	13J0640B	GEE	12.07	4.25	2.728	22874
G010YR24HR	13J0640B	GEE	12.07	7.62	4.952	41526
G025YR24HR	13J0640B	GEE	12.07	10.01	6.579	55167
G100YR24HR	13J0640B	GEE	12.07	14.21	9.497	79634
G002YR24HR	13J0800B	GEE	12.07	7.63	2.728	41095
G010YR24HR	13J0800B	GEE	12.07	13.69	4.952	74603
G025YR24HR	13J0800B	GEE	12.07	17.99	6.579	99110
G100YR24HR	13J0800B	GEE	12.07	25.53	9.497	143066
G002YR24HR	13J1000B	GEE	12.75	8.58	1.724	109814
G010YR24HR	13J1000B	GEE	12.75	18.91	3.626	230974
G025YR24HR	13J1000B	GEE	12.75	26.80	5.096	324676
G100YR24HR	13J1000B	GEE	12.75	41.15	7.821	498251

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13J1300B	GEE	12.42	6.29	2.616	58019
G010YR24HR	13J1300B	GEE	12.42	11.55	4.812	106724
G025YR24HR	13J1300B	GEE	12.42	15.31	6.425	142503
G100YR24HR	13J1300B	GEE	12.42	21.93	9.326	206835
G002YR24HR	13J1800B	GEE	12.19	23.94	2.330	166172
G010YR24HR	13J1800B	GEE	12.19	45.99	4.450	317408
G025YR24HR	13J1800B	GEE	12.19	61.99	6.029	430026
G100YR24HR	13J1800B	GEE	12.19	90.30	8.889	634060
G002YR24HR	13J1820B	GEE	12.10	1.41	2.273	7591
G010YR24HR	13J1820B	GEE	12.07	2.71	4.377	14616
G025YR24HR	13J1820B	GEE	12.07	3.66	5.948	19863
G100YR24HR	13J1820B	GEE	12.07	5.35	8.799	29384
G002YR24HR	13J1821B	GEE	12.33	7.39	2.924	61889
G010YR24HR	13J1821B	GEE	12.33	12.94	5.190	109833
G025YR24HR	13J1821B	GEE	12.33	16.87	6.835	144643
G100YR24HR	13J1821B	GEE	12.33	23.75	9.774	206837
G002YR24HR	13J1822B	GEE	12.67	10.40	1.668	117061
G010YR24HR	13J1822B	GEE	12.58	23.24	3.547	248888
G025YR24HR	13J1822B	GEE	12.58	33.08	5.006	351285
G100YR24HR	13J1822B	GEE	12.58	51.05	7.717	541468
G002YR24HR	13J1900B	GEE	12.07	7.95	3.572	44344
G010YR24HR	13J1900B	GEE	12.07	12.87	5.932	73647
G025YR24HR	13J1900B	GEE	12.07	16.32	7.617	94564
G100YR24HR	13J1900B	GEE	12.07	22.36	10.601	131611
G002YR24HR	13J2200B	GEE	12.25	112.02	2.987	873807
G010YR24HR	13J2200B	GEE	12.25	194.87	5.265	1539901
G025YR24HR	13J2200B	GEE	12.25	253.35	6.914	2022501
G100YR24HR	13J2200B	GEE	12.25	355.67	9.859	2883782
G002YR24HR	13J2220B	GEE	12.67	35.49	2.704	405042
G010YR24HR	13J2220B	GEE	12.67	64.35	4.922	737225
G025YR24HR	13J2220B	GEE	12.67	84.96	6.546	980376
G100YR24HR	13J2220B	GEE	12.58	121.29	9.459	1416711
G002YR24HR	13J2221B	GEE	12.07	12.32	3.516	68406
G010YR24HR	13J2221B	GEE	12.07	20.05	5.870	114217
G025YR24HR	13J2221B	GEE	12.07	25.47	7.553	146953
G100YR24HR	13J2221B	GEE	12.07	34.95	10.534	204964
G002YR24HR	13J2222B	GEE	12.07	19.44	3.448	107399
G010YR24HR	13J2222B	GEE	12.07	31.85	5.795	180494
G025YR24HR	13J2222B	GEE	12.07	40.55	7.475	232799
G100YR24HR	13J2222B	GEE	12.07	55.76	10.453	325552
G002YR24HR	13J2231B	GEE	12.07	1.50	3.601	8366
G010YR24HR	13J2231B	GEE	12.07	2.42	5.964	13856
G025YR24HR	13J2231B	GEE	12.07	3.06	7.650	17773
G100YR24HR	13J2231B	GEE	12.07	4.19	10.636	24709
G002YR24HR	13J2232B	GEE	12.50	32.97	3.403	331207
G010YR24HR	13J2232B	GEE	12.50	54.50	5.742	558808
G025YR24HR	13J2232B	GEE	12.50	69.59	7.417	721818
G100YR24HR	13J2232B	GEE	12.50	96.01	10.388	1011011
G002YR24HR	13J2233B	GEE	12.83	18.73	3.163	254206
G010YR24HR	13J2233B	GEE	12.83	32.02	5.470	439611
G025YR24HR	13J2233B	GEE	12.83	41.39	7.132	573221
G100YR24HR	13J2233B	GEE	12.83	57.79	10.091	811005
G002YR24HR	13J2234B	GEE	12.42	12.90	2.467	119261
G010YR24HR	13J2234B	GEE	12.42	24.25	4.624	223579
G025YR24HR	13J2234B	GEE	12.42	32.45	6.220	300727
G100YR24HR	13J2234B	GEE	12.42	46.91	9.099	439959
G002YR24HR	13K0250B	GEE	12.07	7.90	3.763	44804
G010YR24HR	13K0250B	GEE	12.07	12.57	6.140	73109
G025YR24HR	13K0250B	GEE	12.07	15.85	7.832	93250
G100YR24HR	13K0250B	GEE	12.07	21.60	10.823	128867
G002YR24HR	13K0400B	GEE	12.07	10.37	3.759	58805
G010YR24HR	13K0400B	GEE	12.07	16.51	6.136	95994
G025YR24HR	13K0400B	GEE	12.07	20.82	7.827	122457
G100YR24HR	13K0400B	GEE	12.07	28.38	10.818	169257
G002YR24HR	13K0550B	GEE	12.07	10.22	3.612	57160
G010YR24HR	13K0550B	GEE	12.07	16.48	5.976	94579

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13K0550B	GEE	12.07	20.86	7.662	121269
G100YR24HR	13K0550B	GEE	12.07	28.55	10.648	168526
G002YR24HR	13K0751B	GEE	12.07	45.72	2.851	246504
G010YR24HR	13K0751B	GEE	12.07	80.57	5.102	441133
G025YR24HR	13K0751B	GEE	12.07	105.20	6.740	582812
G100YR24HR	13K0751B	GEE	12.07	148.31	9.672	836299
G002YR24HR	13K0752B	GEE	12.07	13.93	3.508	77306
G010YR24HR	13K0752B	GEE	12.07	22.69	5.862	129168
G025YR24HR	13K0752B	GEE	12.07	28.83	7.544	166233
G100YR24HR	13K0752B	GEE	12.07	39.57	10.526	231920
G002YR24HR	13K0900B	GEE	12.07	16.25	3.338	89177
G010YR24HR	13K0900B	GEE	12.07	26.95	5.671	151509
G025YR24HR	13K0900B	GEE	12.07	34.44	7.345	196224
G100YR24HR	13K0900B	GEE	12.07	47.54	10.316	275619
G002YR24HR	13K1150B	GEE	12.07	17.48	2.746	94100
G010YR24HR	13K1150B	GEE	12.07	31.26	4.975	170463
G025YR24HR	13K1150B	GEE	12.07	41.04	6.603	226270
G100YR24HR	13K1150B	GEE	12.07	58.18	9.523	326330
G002YR24HR	13K1300B	GEE	12.20	18.89	2.594	135295
G010YR24HR	13K1300B	GEE	12.20	34.78	4.785	249626
G025YR24HR	13K1300B	GEE	12.20	46.16	6.397	333704
G100YR24HR	13K1300B	GEE	12.20	66.17	9.297	484966
G002YR24HR	13K1500B	GEE	12.07	9.62	2.728	51789
G010YR24HR	13K1500B	GEE	12.07	17.25	4.952	94018
G025YR24HR	13K1500B	GEE	12.07	22.67	6.579	124902
G100YR24HR	13K1500B	GEE	12.07	32.17	9.497	180298
G002YR24HR	13K1600B	GEE	12.10	14.42	2.160	77999
G010YR24HR	13K1600B	GEE	12.07	28.36	4.227	152667
G025YR24HR	13K1600B	GEE	12.07	38.61	5.781	208786
G100YR24HR	13K1600B	GEE	12.07	56.82	8.611	311000
G002YR24HR	13K1650B	GEE	12.07	13.20	3.300	72244
G010YR24HR	13K1650B	GEE	12.07	21.97	5.628	123201
G025YR24HR	13K1650B	GEE	12.07	28.11	7.300	159790
G100YR24HR	13K1650B	GEE	12.07	38.86	10.269	224786
G002YR24HR	13K1900B	GEE	12.42	31.27	1.468	283451
G010YR24HR	13K1900B	GEE	12.33	73.66	3.253	628246
G025YR24HR	13K1900B	GEE	12.33	107.04	4.664	900627
G100YR24HR	13K1900B	GEE	12.33	168.63	7.310	1411750
G002YR24HR	13K2200B	GEE	12.07	96.39	2.769	519135
G010YR24HR	13K2200B	GEE	12.07	171.86	5.002	937889
G025YR24HR	13K2200B	GEE	12.07	225.35	6.633	1243654
G100YR24HR	13K2200B	GEE	12.07	319.05	9.556	1791616
G002YR24HR	13K2240B	GEE	12.07	23.68	3.661	133011
G010YR24HR	13K2240B	GEE	12.07	38.01	6.029	219085
G025YR24HR	13K2240B	GEE	12.07	48.06	7.718	280430
G100YR24HR	13K2240B	GEE	12.07	65.68	10.705	388996
G002YR24HR	13K2280B	GEE	12.37	11.26	0.939	101753
G010YR24HR	13K2280B	GEE	12.31	33.74	2.417	262002
G025YR24HR	13K2280B	GEE	12.24	52.85	3.656	396328
G100YR24HR	13K2280B	GEE	12.24	89.75	6.069	657837
G002YR24HR	13K3050B	GEE	12.07	34.96	2.724	188190
G010YR24HR	13K3050B	GEE	12.07	62.73	4.948	341790
G025YR24HR	13K3050B	GEE	12.07	82.45	6.574	454140
G100YR24HR	13K3050B	GEE	12.07	117.02	9.492	655673
G002YR24HR	13K3200B	GEE	12.42	34.17	3.767	323812
G010YR24HR	13K3200B	GEE	12.33	54.52	6.141	527911
G025YR24HR	13K3200B	GEE	12.33	68.82	7.831	673121
G100YR24HR	13K3200B	GEE	12.33	93.92	10.818	929901
G002YR24HR	13K4050B	GEE	12.10	35.09	2.073	190331
G010YR24HR	13K4050B	GEE	12.07	70.13	4.111	377433
G025YR24HR	13K4050B	GEE	12.07	96.09	5.651	518770
G100YR24HR	13K4050B	GEE	12.07	142.36	8.463	776960
G002YR24HR	13K4200B	GEE	12.13	19.98	1.635	127791
G010YR24HR	13K4200B	GEE	12.13	44.77	3.499	273499
G025YR24HR	13K4200B	GEE	12.13	63.71	4.952	386982
G100YR24HR	13K4200B	GEE	12.13	98.21	7.653	598095

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13K4400B	GEE	12.07	24.63	3.563	137225
G010YR24HR	13K4400B	GEE	12.07	39.90	5.922	228099
G025YR24HR	13K4400B	GEE	12.07	50.60	7.607	292976
G100YR24HR	13K4400B	GEE	12.07	69.33	10.591	407892
G002YR24HR	13L0020B	GEE	12.07	11.74	2.752	63225
G010YR24HR	13L0020B	GEE	12.07	20.99	4.981	114457
G025YR24HR	13L0020B	GEE	12.07	27.54	6.610	151891
G100YR24HR	13L0020B	GEE	12.07	39.03	9.531	219001
G002YR24HR	13L0040B	GEE	12.20	75.92	3.257	568120
G010YR24HR	13L0040B	GEE	12.20	127.68	5.579	973104
G025YR24HR	13L0040B	GEE	12.20	164.01	7.248	1264218
G100YR24HR	13L0040B	GEE	12.20	227.52	10.215	1781638
G002YR24HR	13L0060B	GEE	12.07	8.00	3.449	44199
G010YR24HR	13L0060B	GEE	12.07	13.11	5.796	74274
G025YR24HR	13L0060B	GEE	12.07	16.68	7.476	95794
G100YR24HR	13L0060B	GEE	12.07	22.94	10.454	133955
G002YR24HR	13L0080B	GEE	12.07	27.06	3.826	154594
G010YR24HR	13L0080B	GEE	12.07	42.85	6.208	250825
G025YR24HR	13L0080B	GEE	12.07	53.95	7.902	319241
G100YR24HR	13L0080B	GEE	12.07	73.45	10.895	440181
G002YR24HR	13L0200B	GEE	12.19	42.33	2.738	291898
G010YR24HR	13L0200B	GEE	12.19	76.05	4.964	529246
G025YR24HR	13L0200B	GEE	12.19	100.02	6.592	702756
G100YR24HR	13L0200B	GEE	12.19	142.06	9.510	1013904
G002YR24HR	13L0400B	GEE	12.07	9.00	3.236	49108
G010YR24HR	13L0400B	GEE	12.07	15.09	5.555	84292
G025YR24HR	13L0400B	GEE	12.07	19.36	7.223	109598
G100YR24HR	13L0400B	GEE	12.07	26.83	10.188	154588
G002YR24HR	13L0800B	GEE	12.42	96.62	2.842	878312
G010YR24HR	13L0800B	GEE	12.42	171.21	5.088	1572621
G025YR24HR	13L0800B	GEE	12.42	224.10	6.724	2078126
G100YR24HR	13L0800B	GEE	12.42	316.81	9.651	2982635
G002YR24HR	13L0820B	GEE	12.25	35.46	3.093	277103
G010YR24HR	13L0820B	GEE	12.25	60.83	5.389	482785
G025YR24HR	13L0820B	GEE	12.25	78.69	7.047	631313
G100YR24HR	13L0820B	GEE	12.25	109.92	10.000	895927
G002YR24HR	13L1000B	GEE	12.07	240.21	3.573	1339338
G010YR24HR	13L1000B	GEE	12.07	388.71	5.934	2224065
G025YR24HR	13L1000B	GEE	12.07	492.76	7.619	2855570
G100YR24HR	13L1000B	GEE	12.07	675.04	10.603	3974038
G002YR24HR	13L1001B	GEE	12.83	12.19	2.566	156268
G010YR24HR	13L1001B	GEE	12.75	22.64	4.750	289322
G025YR24HR	13L1001B	GEE	12.75	30.19	6.358	387287
G100YR24HR	13L1001B	GEE	12.75	43.52	9.254	563650
G002YR24HR	13L1020B	GEE	12.33	34.31	3.122	301006
G010YR24HR	13L1020B	GEE	12.33	58.70	5.421	522636
G025YR24HR	13L1020B	GEE	12.33	75.86	7.079	682527
G100YR24HR	13L1020B	GEE	12.33	105.88	10.032	967244
G002YR24HR	13L1200B	GEE	12.07	148.30	3.386	815931
G010YR24HR	13L1200B	GEE	12.07	244.59	5.725	1379681
G025YR24HR	13L1200B	GEE	12.07	312.04	7.401	1783648
G100YR24HR	13L1200B	GEE	12.07	430.01	10.376	2500508
G002YR24HR	13L1201B	GEE	12.75	5.23	1.659	65984
G010YR24HR	13L1201B	GEE	12.75	11.70	3.533	140549
G025YR24HR	13L1201B	GEE	12.75	16.66	4.990	198512
G100YR24HR	13L1201B	GEE	12.67	25.81	7.697	306215
G002YR24HR	13L1202B	GEE	12.32	11.58	1.961	96801
G010YR24HR	13L1202B	GEE	12.32	23.98	3.958	195422
G025YR24HR	13L1202B	GEE	12.32	33.21	5.478	270446
G100YR24HR	13L1202B	GEE	12.32	49.77	8.266	408066
G002YR24HR	13L1203B	GEE	12.32	1.86	2.989	15191
G010YR24HR	13L1203B	GEE	12.32	3.23	5.267	26767
G025YR24HR	13L1203B	GEE	12.32	4.20	6.917	35154
G100YR24HR	13L1203B	GEE	12.24	5.89	9.862	50121
G002YR24HR	13L1700B	GEE	12.07	94.26	3.201	513539
G010YR24HR	13L1700B	GEE	12.07	158.74	5.514	884729
G025YR24HR	13L1700B	GEE	12.07	203.98	7.180	1151953

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13L1700B	GEE	12.07	283.04	10.142	1627277
G002YR24HR	13L1825B	GEE	12.07	0.85	3.202	4649
G010YR24HR	13L1825B	GEE	12.07	1.44	5.515	8008
G025YR24HR	13L1825B	GEE	12.07	1.85	7.181	10427
G100YR24HR	13L1825B	GEE	12.07	2.56	10.143	14728
G002YR24HR	13L1829B	GEE	12.23	33.46	3.721	265849
G010YR24HR	13L1829B	GEE	12.23	53.57	6.095	435391
G025YR24HR	13L1829B	GEE	12.23	67.68	7.784	556103
G100YR24HR	13L1829B	GEE	12.23	92.43	10.773	769637
G002YR24HR	13L1875B	GEE	12.25	69.47	3.861	604015
G010YR24HR	13L1875B	GEE	12.25	110.03	6.243	976769
G025YR24HR	13L1875B	GEE	12.25	138.54	7.936	1241658
G100YR24HR	13L1875B	GEE	12.25	188.62	10.929	1709807
G002YR24HR	13L1876B	GEE	12.33	91.60	3.136	760352
G010YR24HR	13L1876B	GEE	12.33	155.93	5.438	1318535
G025YR24HR	13L1876B	GEE	12.25	201.17	7.098	1721088
G100YR24HR	13L1876B	GEE	12.25	280.77	10.053	2437780
G002YR24HR	13L1877B	Scenario2	12.19	50.30	3.006	347903
G010YR24HR	13L1877B	Scenario2	12.19	87.04	5.287	611828
G025YR24HR	13L1877B	Scenario2	12.19	112.92	6.938	802930
G100YR24HR	13L1877B	Scenario2	12.19	158.20	9.884	1143873
G002YR24HR	13L1878B	Scenario2	12.26	25.88	3.006	195656
G010YR24HR	13L1878B	Scenario2	12.26	44.77	5.287	344087
G025YR24HR	13L1878B	Scenario2	12.26	58.08	6.938	451561
G100YR24HR	13L1878B	Scenario2	12.26	81.37	9.884	643306
G002YR24HR	13L1895B	GEE	12.07	16.10	3.471	89082
G010YR24HR	13L1895B	GEE	12.07	26.32	5.821	149380
G025YR24HR	13L1895B	GEE	12.07	33.47	7.501	192508
G100YR24HR	13L1895B	GEE	12.07	46.00	10.480	268968
G002YR24HR	13L1950B	GEE	12.18	93.28	3.916	693559
G010YR24HR	13L1950B	GEE	12.18	146.98	6.303	1116393
G025YR24HR	13L1950B	GEE	12.18	184.77	7.999	1416689
G100YR24HR	13L1950B	GEE	12.18	251.19	10.995	1947265
G002YR24HR	13L1952B	GEE	12.50	69.00	3.130	678891
G010YR24HR	13L1952B	GEE	12.42	117.74	5.431	1177907
G025YR24HR	13L1952B	GEE	12.42	152.26	7.090	1537843
G100YR24HR	13L1952B	GEE	12.42	212.64	10.045	2178711
G002YR24HR	13L1975B	GEE	12.25	11.31	4.046	100451
G010YR24HR	13L1975B	GEE	12.25	17.68	6.438	159846
G025YR24HR	13L1975B	GEE	12.25	22.17	8.135	201977
G100YR24HR	13L1975B	GEE	12.25	30.08	11.131	276371
G002YR24HR	13L2050B	GEE	12.07	29.59	3.872	169912
G010YR24HR	13L2050B	GEE	12.07	46.70	6.256	274573
G025YR24HR	13L2050B	GEE	12.07	58.73	7.951	348940
G100YR24HR	13L2050B	GEE	12.07	79.89	10.946	480367
G002YR24HR	13L2051B	GEE	12.18	16.12	3.007	113419
G010YR24HR	13L2051B	GEE	12.18	27.95	5.288	199456
G025YR24HR	13L2051B	GEE	12.18	36.28	6.940	261752
G100YR24HR	13L2051B	GEE	12.18	50.87	9.887	372894
G002YR24HR	13L2052B	Scenario2	12.29	12.55	3.005	100914
G010YR24HR	13L2052B	Scenario2	12.29	21.76	5.285	177473
G025YR24HR	13L2052B	Scenario2	12.29	28.25	6.936	232909
G100YR24HR	13L2052B	Scenario2	12.29	39.61	9.882	331811
G002YR24HR	13L2053B	Scenario2	12.33	36.58	3.020	320400
G010YR24HR	13L2053B	Scenario2	12.33	63.43	5.301	562449
G025YR24HR	13L2053B	Scenario2	12.33	82.37	6.952	737618
G100YR24HR	13L2053B	Scenario2	12.33	115.52	9.896	1050048
G002YR24HR	13L2151B	GEE	12.07	9.08	3.007	49123
G010YR24HR	13L2151B	GEE	12.07	15.67	5.288	86386
G025YR24HR	13L2151B	GEE	12.07	20.30	6.940	113367
G100YR24HR	13L2151B	GEE	12.07	28.40	9.887	161504
G002YR24HR	13L2152B	Scenario2	12.12	33.12	3.005	212519
G010YR24HR	13L2152B	Scenario2	12.12	57.37	5.285	373749
G025YR24HR	13L2152B	Scenario2	12.12	74.46	6.936	490493
G100YR24HR	13L2152B	Scenario2	12.12	104.36	9.882	698775
G002YR24HR	13L2300B	GEE	12.07	6.65	3.222	36252

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13L2300B	GEE	12.07	11.17	5.538	62321
G025YR24HR	13L2300B	GEE	12.07	14.34	7.205	81078
G100YR24HR	13L2300B	GEE	12.07	19.88	10.169	114432
G002YR24HR	13L2400B	GEE	12.07	8.62	3.007	46612
G010YR24HR	13L2400B	GEE	12.07	14.86	5.288	81971
G025YR24HR	13L2400B	GEE	12.07	19.26	6.940	107573
G100YR24HR	13L2400B	GEE	12.07	26.95	9.887	153249
G002YR24HR	13L2500B	GEE	12.19	33.81	3.517	239116
G010YR24HR	13L2500B	GEE	12.19	55.11	5.871	399178
G025YR24HR	13L2500B	GEE	12.19	70.04	7.553	513550
G100YR24HR	13L2500B	GEE	12.19	96.17	10.534	716223
G002YR24HR	13L2520B	GEE	12.13	21.82	2.140	133937
G010YR24HR	13L2520B	GEE	12.13	43.29	4.201	262911
G025YR24HR	13L2520B	GEE	12.13	59.04	5.752	359952
G100YR24HR	13L2520B	GEE	12.13	87.05	8.578	536817
G002YR24HR	13L2540B	GEE	12.07	10.09	3.763	57234
G010YR24HR	13L2540B	GEE	12.07	16.05	6.140	93392
G025YR24HR	13L2540B	GEE	12.07	20.24	7.832	119121
G100YR24HR	13L2540B	GEE	12.07	27.59	10.823	164620
G002YR24HR	13L2560B	GEE	12.13	27.31	3.219	167889
G010YR24HR	13L2560B	GEE	12.13	45.91	5.535	288708
G025YR24HR	13L2560B	GEE	12.13	58.97	7.201	375645
G100YR24HR	13L2560B	GEE	12.13	81.79	10.165	530246
G002YR24HR	13L2700B	GEE	12.12	10.91	3.345	64596
G010YR24HR	13L2700B	GEE	12.12	18.06	5.679	109670
G025YR24HR	13L2700B	GEE	12.08	23.10	7.353	141999
G100YR24HR	13L2700B	GEE	12.08	31.90	10.325	199396
G002YR24HR	13L2720B	GEE	12.07	10.67	3.018	57730
G010YR24HR	13L2720B	GEE	12.07	18.38	5.301	101405
G025YR24HR	13L2720B	GEE	12.07	23.81	6.953	133019
G100YR24HR	13L2720B	GEE	12.07	33.29	9.901	189410
G002YR24HR	13L2750B	GEE	12.19	53.39	3.593	379628
G010YR24HR	13L2750B	GEE	12.19	86.37	5.955	629219
G025YR24HR	13L2750B	GEE	12.19	109.50	7.640	807308
G100YR24HR	13L2750B	GEE	12.19	150.00	10.624	1122668
G002YR24HR	13L3000B	GEE	12.07	3.81	3.600	21300
G010YR24HR	13L3000B	GEE	12.07	6.15	5.963	35283
G025YR24HR	13L3000B	GEE	12.07	7.79	7.649	45259
G100YR24HR	13L3000B	GEE	12.07	10.67	10.634	62923
G002YR24HR	13L3140B	GEE	12.20	61.17	3.183	440109
G010YR24HR	13L3140B	GEE	12.20	103.64	5.493	759500
G025YR24HR	13L3140B	GEE	12.20	133.47	7.157	989536
G100YR24HR	13L3140B	GEE	12.20	185.63	10.117	1398807
G002YR24HR	13M0400B	GEE	12.92	24.91	3.226	354787
G010YR24HR	13M0400B	GEE	12.92	42.25	5.541	609482
G025YR24HR	13M0400B	GEE	12.92	54.46	7.207	792704
G100YR24HR	13M0400B	GEE	12.92	75.84	10.169	1118482
G002YR24HR	13M0500B	GEE	12.07	7.26	2.978	39236
G010YR24HR	13M0500B	GEE	12.07	12.57	5.253	69224
G025YR24HR	13M0500B	GEE	12.07	16.31	6.903	90958
G100YR24HR	13M0500B	GEE	12.07	22.86	9.847	129752
G002YR24HR	13M0600B	GEE	12.33	35.46	3.379	318424
G010YR24HR	13M0600B	GEE	12.33	58.83	5.714	538485
G025YR24HR	13M0600B	GEE	12.33	75.23	7.388	696179
G100YR24HR	13M0600B	GEE	12.33	103.91	10.357	976018
G002YR24HR	13M0601B	GEE	12.42	8.17	2.871	75253
G010YR24HR	13M0601B	GEE	12.42	14.44	5.124	134298
G025YR24HR	13M0601B	GEE	12.42	18.88	6.763	177243
G100YR24HR	13M0601B	GEE	12.42	26.66	9.693	254042
G002YR24HR	13M0850B	GEE	12.07	2.77	3.064	15015
G010YR24HR	13M0850B	GEE	12.07	4.75	5.355	26243
G025YR24HR	13M0850B	GEE	12.07	6.13	7.011	34358
G100YR24HR	13M0850B	GEE	12.07	8.56	9.963	48823
G002YR24HR	13M0950B	GEE	12.07	12.62	3.506	70005
G010YR24HR	13M0950B	GEE	12.07	20.56	5.860	116993
G025YR24HR	13M0950B	GEE	12.07	26.12	7.542	150575
G100YR24HR	13M0950B	GEE	12.07	35.85	10.523	210092

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13M0990B	GEE	12.07	14.90	3.481	82524
G010YR24HR	13M0990B	GEE	12.07	24.34	5.832	138245
G025YR24HR	13M0990B	GEE	12.07	30.94	7.513	178089
G100YR24HR	13M0990B	GEE	12.07	42.51	10.493	248722
G002YR24HR	13M1200B	GEE	12.07	3.42	3.506	18965
G010YR24HR	13M1200B	GEE	12.07	5.57	5.860	31694
G025YR24HR	13M1200B	GEE	12.07	7.07	7.542	40792
G100YR24HR	13M1200B	GEE	12.07	9.71	10.523	56916
G002YR24HR	13M1400B	GEE	12.07	5.12	3.506	28384
G010YR24HR	13M1400B	GEE	12.07	8.33	5.860	47435
G025YR24HR	13M1400B	GEE	12.07	10.59	7.542	61051
G100YR24HR	13M1400B	GEE	12.07	14.53	10.523	85183
G002YR24HR	13M1500B	GEE	12.07	9.59	3.471	53046
G010YR24HR	13M1500B	GEE	12.07	15.67	5.821	88952
G025YR24HR	13M1500B	GEE	12.07	19.93	7.501	114633
G100YR24HR	13M1500B	GEE	12.07	27.39	10.480	160163
G002YR24HR	13M1520B	GEE	12.07	11.24	3.516	62408
G010YR24HR	13M1520B	GEE	12.07	18.30	5.870	104202
G025YR24HR	13M1520B	GEE	12.07	23.24	7.553	134067
G100YR24HR	13M1520B	GEE	12.07	31.89	10.534	186991
G002YR24HR	13M1800B	GEE	12.07	102.58	3.677	577088
G010YR24HR	13M1800B	GEE	12.07	164.44	6.047	949123
G025YR24HR	13M1800B	GEE	12.07	207.82	7.736	1214199
G100YR24HR	13M1800B	GEE	12.07	283.90	10.724	1683269
G002YR24HR	13M1925B	GEE	12.13	23.65	3.845	152558
G010YR24HR	13M1925B	GEE	12.13	37.42	6.228	247110
G025YR24HR	13M1925B	GEE	12.13	47.09	7.922	314316
G100YR24HR	13M1925B	GEE	12.13	64.09	10.916	433104
G002YR24HR	13M2110B	GEE	12.07	7.78	2.830	41920
G010YR24HR	13M2110B	GEE	12.07	13.75	5.077	75195
G025YR24HR	13M2110B	GEE	12.07	17.97	6.714	99435
G100YR24HR	13M2110B	GEE	12.07	25.36	9.643	142821
G002YR24HR	13M2130B	GEE	13.00	26.44	2.390	392068
G010YR24HR	13M2130B	GEE	13.00	50.69	4.528	742706
G025YR24HR	13M2130B	GEE	13.00	68.35	6.114	1003005
G100YR24HR	13M2130B	GEE	13.00	99.70	8.984	1473780
G002YR24HR	13M2150B	GEE	12.10	24.23	2.447	130461
G010YR24HR	13M2150B	GEE	12.07	45.38	4.601	245321
G025YR24HR	13M2150B	GEE	12.07	60.62	6.195	330359
G100YR24HR	13M2150B	GEE	12.07	87.46	9.075	483925
G002YR24HR	13M2210B	GEE	12.07	3.29	2.841	17736
G010YR24HR	13M2210B	GEE	12.07	5.81	5.089	31777
G025YR24HR	13M2210B	GEE	12.07	7.59	6.727	42001
G100YR24HR	13M2210B	GEE	12.07	10.70	9.658	60298
G002YR24HR	13M2230B	GEE	12.07	1.60	2.976	8642
G010YR24HR	13M2230B	GEE	12.07	2.77	5.251	15249
G025YR24HR	13M2230B	GEE	12.07	3.59	6.900	20039
G100YR24HR	13M2230B	GEE	12.07	5.04	9.844	28588
G002YR24HR	13M2250B	GEE	12.07	1.40	3.075	7589
G010YR24HR	13M2250B	GEE	12.07	2.39	5.368	13249
G025YR24HR	13M2250B	GEE	12.07	3.09	7.024	17339
G100YR24HR	13M2250B	GEE	12.07	4.32	9.977	24627
G002YR24HR	13M2254B	GEE	12.24	24.28	3.628	197650
G010YR24HR	13M2254B	GEE	12.24	39.23	5.992	326500
G025YR24HR	13M2254B	GEE	12.24	49.71	7.679	418378
G100YR24HR	13M2254B	GEE	12.24	68.07	10.664	581027
G002YR24HR	13M2270B	GEE	12.07	2.12	3.107	11502
G010YR24HR	13M2270B	GEE	12.07	3.61	5.405	20013
G025YR24HR	13M2270B	GEE	12.07	4.66	7.064	26156
G100YR24HR	13M2270B	GEE	12.07	6.49	10.019	37098
G002YR24HR	13M2290B	GEE	12.07	1.34	3.040	7283
G010YR24HR	13M2290B	GEE	12.07	2.31	5.327	12762
G025YR24HR	13M2290B	GEE	12.07	2.99	6.981	16725
G100YR24HR	13M2290B	GEE	12.07	4.18	9.931	23792
G002YR24HR	13M2330B	GEE	12.07	11.03	3.513	61205
G010YR24HR	13M2330B	GEE	12.07	17.95	5.867	102224

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	13M2330B	GEE	12.07	22.80	7.549	131537
G100YR24HR	13M2330B	GEE	12.07	31.29	10.531	183484
G002YR24HR	13M2331B	GEE	12.07	10.17	2.914	54906
G010YR24HR	13M2331B	GEE	12.07	17.77	5.178	97553
G025YR24HR	13M2331B	GEE	12.07	23.13	6.822	128528
G100YR24HR	13M2331B	GEE	12.07	32.50	9.760	183880
G002YR24HR	13M2332B	GEE	12.12	13.22	3.398	80304
G010YR24HR	13M2332B	GEE	12.12	21.78	5.739	135613
G025YR24HR	13M2332B	GEE	12.12	27.78	7.415	175233
G100YR24HR	13M2332B	GEE	12.12	38.28	10.390	245532
G002YR24HR	13M2334B	GEE	12.07	8.16	3.614	45650
G010YR24HR	13M2334B	GEE	12.07	13.15	5.978	75519
G025YR24HR	13M2334B	GEE	12.07	16.66	7.665	96823
G100YR24HR	13M2334B	GEE	12.07	22.79	10.651	134543
G002YR24HR	13M2335B	GEE	12.07	7.88	3.099	42744
G010YR24HR	13M2335B	GEE	12.07	13.43	5.396	74431
G025YR24HR	13M2335B	GEE	12.07	17.34	7.055	97310
G100YR24HR	13M2335B	GEE	12.07	24.16	10.009	138067
G002YR24HR	13M2340B	Scenario3	12.18	15.65	3.739	119169
G010YR24HR	13M2340B	Scenario3	12.18	25.02	6.114	194860
G025YR24HR	13M2340B	Scenario3	12.18	31.60	7.804	248736
G100YR24HR	13M2340B	Scenario3	12.18	43.14	10.794	344029
G002YR24HR	13M2341B	GEE	12.29	15.59	3.134	125707
G010YR24HR	13M2341B	GEE	12.29	26.58	5.436	218051
G025YR24HR	13M2341B	GEE	12.29	34.31	7.097	284653
G100YR24HR	13M2341B	GEE	12.29	47.82	10.053	403233
G002YR24HR	13M2400B	GEE	12.07	26.57	3.294	145420
G010YR24HR	13M2400B	GEE	12.07	44.26	5.622	248142
G025YR24HR	13M2400B	GEE	12.07	56.66	7.293	321912
G100YR24HR	13M2400B	GEE	12.07	78.34	10.262	452964
G002YR24HR	13N0050B	GEE	12.10	21.40	2.382	115250
G010YR24HR	13N0050B	GEE	12.07	40.49	4.518	218596
G025YR24HR	13N0050B	GEE	12.07	54.31	6.104	295352
G100YR24HR	13N0050B	GEE	12.07	78.68	8.973	434207
G002YR24HR	13N0100B	GEE	12.07	26.99	2.563	145313
G010YR24HR	13N0100B	GEE	12.07	49.66	4.748	269189
G025YR24HR	13N0100B	GEE	12.07	65.86	6.356	360413
G100YR24HR	13N0100B	GEE	12.07	94.34	9.253	524659
G002YR24HR	13N0200B	GEE	12.07	8.62	3.841	49354
G010YR24HR	13N0200B	GEE	12.07	13.64	6.224	79973
G025YR24HR	13N0200B	GEE	12.07	17.17	7.917	101738
G100YR24HR	13N0200B	GEE	12.07	23.37	10.911	140210
G002YR24HR	13N0200B2	GEE	12.20	62.19	3.493	470395
G010YR24HR	13N0200B2	GEE	12.20	101.84	5.845	787145
G025YR24HR	13N0200B2	GEE	12.20	129.62	7.526	1013592
G100YR24HR	13N0200B2	GEE	12.20	178.24	10.507	1414967
G002YR24HR	13N0201B	GEE	12.83	3.01	1.220	41508
G010YR24HR	13N0201B	GEE	12.75	7.84	2.874	97742
G025YR24HR	13N0201B	GEE	12.75	11.76	4.212	143263
G100YR24HR	13N0201B	GEE	12.75	19.14	6.762	229981
G002YR24HR	13N0301B	GEE	12.29	17.72	2.724	142209
G010YR24HR	13N0301B	GEE	12.29	31.97	4.947	258239
G025YR24HR	13N0301B	GEE	12.29	42.11	6.573	343106
G100YR24HR	13N0301B	GEE	12.29	59.90	9.489	495334
G002YR24HR	13N0600B	GEE	12.23	39.63	2.719	304320
G010YR24HR	13N0600B	GEE	12.23	71.68	4.941	552970
G025YR24HR	13N0600B	GEE	12.23	94.50	6.566	734875
G100YR24HR	13N0600B	GEE	12.23	134.56	9.482	1061204
G002YR24HR	13N0650B	GEE	12.17	69.64	3.069	472089
G010YR24HR	13N0650B	GEE	12.17	119.63	5.361	824698
G025YR24HR	13N0650B	GEE	12.17	154.80	7.017	1079519
G100YR24HR	13N0650B	GEE	12.17	216.32	9.969	1533682
G002YR24HR	13N0700B	GEE	12.07	11.49	3.998	67047
G010YR24HR	13N0700B	GEE	12.07	17.98	6.390	107157
G025YR24HR	13N0700B	GEE	12.07	22.56	8.087	135620
G100YR24HR	13N0700B	GEE	12.07	30.62	11.084	185891

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13N0700B2	GEE	12.30	106.06	2.185	822404
G010YR24HR	13N0700B2	GEE	12.23	208.90	4.260	1603478
G025YR24HR	13N0700B2	GEE	12.23	284.99	5.817	2189641
G100YR24HR	13N0700B2	GEE	12.23	420.42	8.651	3256358
G002YR24HR	13N0701B	GEE	12.58	26.45	2.408	278957
G010YR24HR	13N0701B	GEE	12.58	50.21	4.550	527234
G025YR24HR	13N0701B	GEE	12.58	67.41	6.140	711391
G100YR24HR	13N0701B	GEE	12.50	98.08	9.013	1044299
G002YR24HR	13N0710B	GEE	12.07	22.83	3.090	123833
G010YR24HR	13N0710B	GEE	12.07	38.97	5.386	215833
G025YR24HR	13N0710B	GEE	12.07	50.31	7.044	282276
G100YR24HR	13N0710B	GEE	12.07	70.14	9.998	400657
G002YR24HR	13N0720B	GEE	12.07	15.96	3.007	86347
G010YR24HR	13N0720B	GEE	12.07	27.54	5.288	151848
G025YR24HR	13N0720B	GEE	12.07	35.68	6.940	199274
G100YR24HR	13N0720B	GEE	12.07	49.93	9.887	283888
G002YR24HR	13N0730B	GEE	12.25	26.35	3.006	205605
G010YR24HR	13N0730B	GEE	12.25	45.72	5.287	361580
G025YR24HR	13N0730B	GEE	12.25	59.39	6.938	474517
G100YR24HR	13N0730B	GEE	12.25	83.30	9.885	676007
G002YR24HR	13N0740B	GEE	12.50	13.01	3.006	135315
G010YR24HR	13N0740B	GEE	12.50	22.64	5.287	237962
G025YR24HR	13N0740B	GEE	12.50	29.44	6.938	312285
G100YR24HR	13N0740B	GEE	12.50	41.36	9.884	444883
G002YR24HR	13N0750B	GEE	12.07	7.40	3.212	40337
G010YR24HR	13N0750B	GEE	12.07	12.45	5.527	69415
G025YR24HR	13N0750B	GEE	12.07	15.99	7.193	90342
G100YR24HR	13N0750B	GEE	12.07	22.17	10.156	127560
G002YR24HR	13N0751B	GEE	12.19	71.75	3.006	496209
G010YR24HR	13N0751B	GEE	12.19	124.14	5.287	872642
G025YR24HR	13N0751B	GEE	12.19	161.06	6.938	1145208
G100YR24HR	13N0751B	GEE	12.19	225.64	9.884	1631490
G002YR24HR	13N0752B	GEE	12.07	16.01	2.977	86552
G010YR24HR	13N0752B	GEE	12.07	27.74	5.252	152718
G025YR24HR	13N0752B	GEE	12.07	35.99	6.902	200674
G100YR24HR	13N0752B	GEE	12.07	50.43	9.846	286276
G002YR24HR	13N0800B	GEE	12.07	10.21	3.137	55452
G010YR24HR	13N0800B	GEE	12.07	17.32	5.440	96172
G025YR24HR	13N0800B	GEE	12.07	22.32	7.101	125540
G100YR24HR	13N0800B	GEE	12.07	31.05	10.059	177827
G002YR24HR	13N0850B	GEE	12.07	10.84	3.715	61230
G010YR24HR	13N0850B	GEE	12.07	17.32	6.089	100346
G025YR24HR	13N0850B	GEE	12.07	21.87	7.779	128199
G100YR24HR	13N0850B	GEE	12.07	29.85	10.769	177472
G002YR24HR	13N0900B	GEE	12.07	14.09	2.839	75947
G010YR24HR	13N0900B	GEE	12.07	24.87	5.087	136099
G025YR24HR	13N0900B	GEE	12.07	32.49	6.725	179906
G100YR24HR	13N0900B	GEE	12.07	45.84	9.655	258301
G002YR24HR	13P0200B	Scenario3	12.07	19.72	2.746	106162
G010YR24HR	13P0200B	Scenario3	12.07	35.27	4.975	192312
G025YR24HR	13P0200B	Scenario3	12.07	46.30	6.603	255273
G100YR24HR	13P0200B	Scenario3	12.07	65.64	9.523	368158
G002YR24HR	13P0400B	GEE	12.07	3.81	2.677	20507
G010YR24HR	13P0400B	GEE	12.07	6.89	4.890	37455
G025YR24HR	13P0400B	GEE	12.07	9.07	6.512	49875
G100YR24HR	13P0400B	GEE	12.07	12.91	9.423	72176
G002YR24HR	13P0500B	GEE	12.10	23.89	2.443	128593
G010YR24HR	13P0500B	GEE	12.07	44.76	4.596	241918
G025YR24HR	13P0500B	GEE	12.07	59.79	6.190	325833
G100YR24HR	13P0500B	GEE	12.07	86.29	9.070	477385
G002YR24HR	13P0502B	Scenario3	12.07	9.23	3.084	50044
G010YR24HR	13P0502B	Scenario3	12.07	15.76	5.379	87279
G025YR24HR	13P0502B	Scenario3	12.07	20.36	7.036	114174
G100YR24HR	13P0502B	Scenario3	12.07	28.39	9.990	162097
G002YR24HR	13P1000B	Scenario3	12.20	15.69	3.141	112757
G010YR24HR	13P1000B	Scenario3	12.20	26.73	5.444	195446
G025YR24HR	13P1000B	Scenario3	12.20	34.48	7.105	255073

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G100YR24HR	13P1000B	Scenario3	12.20	48.05	10.062	361225
G002YR24HR	13P1250B	GEE	12.07	8.89	3.181	48381
G010YR24HR	13P1250B	GEE	12.07	15.00	5.491	83522
G025YR24HR	13P1250B	GEE	12.07	19.29	7.156	108835
G100YR24HR	13P1250B	GEE	12.07	26.80	10.117	153872
G002YR24HR	13P1300B	GEE	12.07	3.09	3.030	16719
G010YR24HR	13P1300B	GEE	12.07	5.31	5.316	29329
G025YR24HR	13P1300B	GEE	12.07	6.88	6.969	38452
G100YR24HR	13P1300B	GEE	12.07	9.61	9.918	54723
G002YR24HR	13P1650B	GEE	12.07	4.69	3.286	25649
G010YR24HR	13P1650B	GEE	12.07	7.82	5.612	43802
G025YR24HR	13P1650B	GEE	12.07	10.01	7.283	56842
G100YR24HR	13P1650B	GEE	12.07	13.84	10.252	80009
G002YR24HR	13P1800B	GEE	12.16	12.65	3.576	86184
G010YR24HR	13P1800B	GEE	12.16	20.50	5.936	143085
G025YR24HR	13P1800B	GEE	12.16	26.01	7.621	183699
G100YR24HR	13P1800B	GEE	12.16	35.65	10.606	255630
G002YR24HR	13P1801B	GEE	12.07	7.60	3.481	42083
G010YR24HR	13P1801B	GEE	12.07	12.41	5.832	70498
G025YR24HR	13P1801B	GEE	12.07	15.78	7.513	90817
G100YR24HR	13P1801B	GEE	12.07	21.68	10.493	126837
G002YR24HR	13P1810B	GEE	12.07	21.95	3.292	120113
G010YR24HR	13P1810B	GEE	12.07	36.57	5.619	205001
G025YR24HR	13P1810B	GEE	12.07	46.82	7.290	265966
G100YR24HR	13P1810B	GEE	12.07	64.74	10.259	374274
G002YR24HR	13P1814B	GEE	12.02	14.09	3.844	70885
G010YR24HR	13P1814B	GEE	12.02	22.25	6.227	114829
G025YR24HR	13P1814B	GEE	12.02	27.99	7.921	146064
G100YR24HR	13P1814B	GEE	12.02	38.08	10.915	201273
G002YR24HR	13P1826B	GEE	12.24	28.65	3.439	230572
G010YR24HR	13P1826B	GEE	12.24	47.20	5.784	387784
G025YR24HR	13P1826B	GEE	12.24	60.20	7.462	500300
G100YR24HR	13P1826B	GEE	12.24	82.95	10.438	699843
G002YR24HR	13P1900B	GEE	12.13	57.24	4.008	376826
G010YR24HR	13P1900B	GEE	12.13	89.57	6.400	601730
G025YR24HR	13P1900B	GEE	12.13	112.36	8.098	761312
G100YR24HR	13P1900B	GEE	12.13	152.48	11.095	1043149
G002YR24HR	13P1901B	GEE	12.07	5.96	3.059	32314
G010YR24HR	13P1901B	GEE	12.07	10.22	5.349	56508
G025YR24HR	13P1901B	GEE	12.07	13.21	7.005	73997
G100YR24HR	13P1901B	GEE	12.07	18.44	9.957	105174
G002YR24HR	13P1902B	GEE	12.07	4.48	3.839	25638
G010YR24HR	13P1902B	GEE	12.07	7.09	6.221	41552
G025YR24HR	13P1902B	GEE	12.07	8.92	7.915	52865
G100YR24HR	13P1902B	GEE	12.07	12.15	10.909	72861
G002YR24HR	13P1920B	GEE	12.07	22.01	3.828	125739
G010YR24HR	13P1920B	GEE	12.07	34.85	6.209	203989
G025YR24HR	13P1920B	GEE	12.07	43.87	7.903	259620
G100YR24HR	13P1920B	GEE	12.07	59.72	10.896	357960
G002YR24HR	13P2010B	GEE	12.07	1.70	2.773	9162
G010YR24HR	13P2010B	GEE	12.07	3.03	5.008	16543
G025YR24HR	13P2010B	GEE	12.07	3.97	6.639	21931
G100YR24HR	13P2010B	GEE	12.07	5.62	9.562	31587
G002YR24HR	13P2014B	GEE	12.07	3.14	2.773	16908
G010YR24HR	13P2014B	GEE	12.07	5.59	5.007	30534
G025YR24HR	13P2014B	GEE	12.07	7.33	6.638	40481
G100YR24HR	13P2014B	GEE	12.07	10.38	9.561	58307
G002YR24HR	13P2050B	GEE	12.18	12.17	3.716	88634
G010YR24HR	13P2050B	GEE	12.18	19.48	6.090	145242
G025YR24HR	13P2050B	GEE	12.18	24.61	7.780	185550
G100YR24HR	13P2050B	GEE	12.18	33.60	10.770	256857
G002YR24HR	13P2250B	GEE	12.17	94.85	3.665	663174
G010YR24HR	13P2250B	GEE	12.17	152.49	6.034	1091893
G025YR24HR	13P2250B	GEE	12.17	192.90	7.722	1397416
G100YR24HR	13P2250B	GEE	12.17	263.76	10.710	1938110
G002YR24HR	13P2300B	GEE	12.07	20.20	3.416	111365

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G010YR24HR	13P2300B	GEE	12.07	33.21	5.759	187743
G025YR24HR	13P2300B	GEE	12.07	42.32	7.437	242436
G100YR24HR	13P2300B	GEE	12.07	58.26	10.414	339456
G002YR24HR	13P2400B	GEE	12.07	13.97	3.330	76632
G010YR24HR	13P2400B	GEE	12.07	23.19	5.662	130300
G025YR24HR	13P2400B	GEE	12.07	29.64	7.335	168808
G100YR24HR	13P2400B	GEE	12.07	40.93	10.306	237189
G002YR24HR	13P2400BZ	GEE	12.07	10.32	3.650	57898
G010YR24HR	13P2400BZ	GEE	12.07	16.58	6.018	95460
G025YR24HR	13P2400BZ	GEE	12.07	20.97	7.706	122235
G100YR24HR	13P2400BZ	GEE	12.07	28.66	10.693	169624
G002YR24HR	13P2600B	GEE	12.24	590.28	3.539	4429139
G010YR24HR	13P2600B	GEE	12.18	962.18	5.895	7378510
G025YR24HR	13P2600B	GEE	12.18	1222.80	7.578	9485077
G100YR24HR	13P2600B	GEE	12.18	1679.11	10.560	13217228
G002YR24HR	13P2640B	GEE	12.07	18.94	3.381	104184
G010YR24HR	13P2640B	GEE	12.07	31.26	5.719	176257
G025YR24HR	13P2640B	GEE	12.07	39.88	7.395	227909
G100YR24HR	13P2640B	GEE	12.07	54.97	10.369	319572
G002YR24HR	13P2645B	GEE	12.07	9.48	3.495	52523
G010YR24HR	13P2645B	GEE	12.07	15.45	5.847	87872
G025YR24HR	13P2645B	GEE	12.07	19.64	7.529	113143
G100YR24HR	13P2645B	GEE	12.07	26.97	10.509	157934
G002YR24HR	13P2646B	GEE	12.07	23.77	3.629	133166
G010YR24HR	13P2646B	GEE	12.07	38.27	5.994	219992
G025YR24HR	13P2646B	GEE	12.07	48.44	7.682	281907
G100YR24HR	13P2646B	GEE	12.07	66.25	10.668	391511
G002YR24HR	13P2648B	GEE	12.07	52.75	2.924	284754
G010YR24HR	13P2648B	GEE	12.07	92.01	5.189	505398
G025YR24HR	13P2648B	GEE	12.07	119.71	6.834	665603
G100YR24HR	13P2648B	GEE	12.07	168.16	9.773	951842
G002YR24HR	13P2660B	GEE	12.10	45.11	2.550	242858
G010YR24HR	13P2660B	GEE	12.07	83.16	4.731	450637
G025YR24HR	13P2660B	GEE	12.07	110.38	6.338	603737
G100YR24HR	13P2660B	GEE	12.07	158.24	9.233	879481
G002YR24HR	13P2661B	GEE	12.10	21.46	1.193	129460
G010YR24HR	13P2661B	GEE	12.10	55.94	2.832	307231
G025YR24HR	13P2661B	GEE	12.10	83.49	4.162	451580
G100YR24HR	13P2661B	GEE	12.07	135.06	6.701	727093
G002YR24HR	13P2800B	GEE	12.25	223.38	3.181	1749547
G010YR24HR	13P2800B	GEE	12.25	378.97	5.491	3020061
G025YR24HR	13P2800B	GEE	12.25	488.28	7.155	3935200
G100YR24HR	13P2800B	GEE	12.25	679.44	10.116	5563438
G002YR24HR	13P2900B	GEE	12.25	34.95	3.094	273146
G010YR24HR	13P2900B	GEE	12.25	59.95	5.390	475843
G025YR24HR	13P2900B	GEE	12.25	77.55	7.048	622211
G100YR24HR	13P2900B	GEE	12.25	108.32	10.002	882972
G002YR24HR	13P3400B	GEE	12.02	42.74	3.819	214445
G010YR24HR	13P3400B	GEE	12.02	67.64	6.200	348170
G025YR24HR	13P3400B	GEE	12.02	85.14	7.893	443252
G100YR24HR	13P3400B	GEE	12.02	115.89	10.886	611339
G002YR24HR	13Q0500B	GEE	12.07	7.35	3.175	39993
G010YR24HR	13Q0500B	GEE	12.07	12.41	5.485	69084
G025YR24HR	13Q0500B	GEE	12.07	15.97	7.148	90042
G100YR24HR	13Q0500B	GEE	12.07	22.18	10.109	127334
G002YR24HR	13Q0820B	GEE	12.26	60.34	3.162	458222
G010YR24HR	13Q0820B	GEE	12.26	102.33	5.469	792530
G025YR24HR	13Q0820B	GEE	12.26	131.84	7.132	1033455
G100YR24HR	13Q0820B	GEE	12.26	183.43	10.091	1462233
G002YR24HR	13Q0840B	GEE	12.07	7.79	4.068	45928
G010YR24HR	13Q0840B	GEE	12.07	12.15	6.463	72962
G025YR24HR	13Q0840B	GEE	12.07	15.22	8.161	92135
G100YR24HR	13Q0840B	GEE	12.07	20.64	11.160	125989
G002YR24HR	13Q0860B	GEE	12.30	4.76	0.916	42085
G010YR24HR	13Q0860B	GEE	12.24	14.57	2.379	109314
G025YR24HR	13Q0860B	GEE	12.24	22.90	3.609	165855
G100YR24HR	13Q0860B	GEE	12.24	38.94	6.009	276157

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G002YR24HR	13Q0861B	GEE	12.10	6.91	2.042	37502
G010YR24HR	13Q0861B	GEE	12.07	13.89	4.069	74734
G025YR24HR	13Q0861B	GEE	12.07	19.07	5.603	102913
G100YR24HR	13Q0861B	GEE	12.07	28.33	8.409	154448
G002YR24HR	13Q0870B	GEE	12.07	23.12	3.480	127981
G010YR24HR	13Q0870B	GEE	12.07	37.75	5.831	214417
G025YR24HR	13Q0870B	GEE	12.07	48.00	7.512	276226
G100YR24HR	13Q0870B	GEE	12.07	65.94	10.492	385797
G002YR24HR	13Q0875B	GEE	12.16	8.71	3.126	57985
G010YR24HR	13Q0875B	GEE	12.16	14.84	5.428	100680
G025YR24HR	13Q0875B	GEE	12.16	19.16	7.088	131481
G100YR24HR	13Q0875B	GEE	12.16	26.69	10.045	186329
G002YR24HR	13Q0880B	GEE	12.26	10.90	2.894	82244
G010YR24HR	13Q0880B	GEE	12.26	19.14	5.153	146455
G025YR24HR	13Q0880B	GEE	12.26	24.97	6.795	193125
G100YR24HR	13Q0880B	GEE	12.26	35.18	9.730	276555
G002YR24HR	13Q0885B	GEE	12.29	12.20	2.994	98029
G010YR24HR	13Q0885B	GEE	12.29	21.17	5.272	172617
G025YR24HR	13Q0885B	GEE	12.29	27.51	6.922	226645
G100YR24HR	13Q0885B	GEE	12.29	38.59	9.866	323053
G002YR24HR	13Q0895B	GEE	12.13	4.43	2.729	27541
G010YR24HR	13Q0895B	GEE	12.13	7.95	4.954	49989
G025YR24HR	13Q0895B	GEE	12.13	10.46	6.580	66405
G100YR24HR	13Q0895B	GEE	12.13	14.86	9.498	95848
G002YR24HR	13Q0924B	GEE	12.26	7.65	3.169	58093
G010YR24HR	13Q0924B	GEE	12.26	12.96	5.477	100403
G025YR24HR	13Q0924B	GEE	12.26	16.69	7.140	130890
G100YR24HR	13Q0924B	GEE	12.26	23.22	10.100	185141
G002YR24HR	13Q0940B	GEE	12.07	10.60	3.218	57814
G010YR24HR	13Q0940B	GEE	12.07	17.82	5.534	99430
G025YR24HR	13Q0940B	GEE	12.07	22.88	7.200	129376
G100YR24HR	13Q0940B	GEE	12.07	31.73	10.164	182630
G002YR24HR	13Q1100B	GEE	12.07	4.90	3.351	26883
G010YR24HR	13Q1100B	GEE	12.07	8.11	5.686	45613
G025YR24HR	13Q1100B	GEE	12.07	10.35	7.360	59046
G100YR24HR	13Q1100B	GEE	12.07	14.29	10.333	82893
G002YR24HR	13Q1300B	GEE	12.07	1.79	3.332	9796
G010YR24HR	13Q1300B	GEE	12.07	2.96	5.664	16654
G025YR24HR	13Q1300B	GEE	12.07	3.79	7.337	21574
G100YR24HR	13Q1300B	GEE	12.07	5.23	10.309	30311
G002YR24HR	13Q1600B	GEE	12.07	7.72	3.587	43101
G010YR24HR	13Q1600B	GEE	12.07	12.48	5.949	71481
G025YR24HR	13Q1600B	GEE	12.07	15.81	7.635	91732
G100YR24HR	13Q1600B	GEE	12.07	21.65	10.619	127595
G002YR24HR	13Q1900B	GEE	12.58	26.83	2.907	290506
G010YR24HR	13Q1900B	GEE	12.58	47.25	5.167	516369
G025YR24HR	13Q1900B	GEE	12.58	61.72	6.809	680437
G100YR24HR	13Q1900B	GEE	12.58	87.09	9.743	973648
G002YR24HR	13Q2290B	GEE	12.50	11.87	1.588	119370
G010YR24HR	13Q2290B	GEE	12.50	26.95	3.431	257910
G025YR24HR	13Q2290B	GEE	12.50	38.56	4.871	366226
G100YR24HR	13Q2290B	GEE	12.42	60.10	7.558	568200
G002YR24HR	13Q2300B	GEE	12.07	25.36	3.753	143736
G010YR24HR	13Q2300B	GEE	12.07	40.39	6.130	234749
G025YR24HR	13Q2300B	GEE	12.07	50.94	7.821	299519
G100YR24HR	13Q2300B	GEE	12.07	69.46	10.812	414070
G002YR24HR	POND1_B	Scenario3	12.04	59.50	3.108	281304
G010YR24HR	POND1_B	Scenario3	12.04	100.71	5.407	489335
G025YR24HR	POND1_B	Scenario3	12.02	129.70	7.067	639493
G100YR24HR	POND1_B	Scenario3	12.02	180.43	10.022	906950
G002YR24HR	POND2_B	Scenario3	12.04	13.35	2.454	61917
G010YR24HR	POND2_B	Scenario3	12.04	24.75	4.610	116312
G025YR24HR	POND2_B	Scenario3	12.04	32.92	6.206	156569
G100YR24HR	POND2_B	Scenario3	12.04	47.27	9.087	229253
G002YR24HR	POND5	Scenario2	12.25	33.21	3.067	259397
G010YR24HR	POND5	Scenario2	12.25	57.17	5.358	453202

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
G025YR24HR	POND5	Scenario2	12.25	74.04	7.014	593264
G100YR24HR	POND5	Scenario2	12.25	103.55	9.966	842898
G002YR24HR	POND7_B	Scenario2	12.07	67.27	3.236	367132
G010YR24HR	POND7_B	Scenario2	12.07	112.83	5.555	630176
G025YR24HR	POND7_B	Scenario2	12.07	144.76	7.223	819362
G100YR24HR	POND7_B	Scenario2	12.07	200.59	10.188	1155711
G002YR24HR	POND8A_B	Scenario2	12.04	27.72	3.251	132188
G010YR24HR	POND8A_B	Scenario2	12.02	46.18	5.572	226552
G025YR24HR	POND8A_B	Scenario2	12.02	59.15	7.241	294393
G100YR24HR	POND8A_B	Scenario2	12.02	81.82	10.207	414983
G002YR24HR	POND8B_B	Scenario2	12.04	24.07	3.212	114482
G010YR24HR	POND8B_B	Scenario2	12.02	40.27	5.527	197009
G025YR24HR	POND8B_B	Scenario2	12.02	51.66	7.193	256404
G100YR24HR	POND8B_B	Scenario2	12.02	71.56	10.156	362035
G002YR24HR	WTRSPRGS	GEE	12.04	37.23	2.562	172791
G010YR24HR	WTRSPRGS	GEE	12.04	67.84	4.746	320126
G025YR24HR	WTRSPRGS	GEE	12.04	89.66	6.355	428630
G100YR24HR	WTRSPRGS	GEE	12.04	127.95	9.252	623993

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.11 Link Max Comparison Report – Scenario 3

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
12-0102X	12	G002YR24HR	0.00	0.00	0.000	15.83	15.96	15.67	15.83
12-0102X	12	G010YR24HR	0.00	0.00	0.000	16.67	17.33	15.87	17.10
12-0102X	12	G025YR24HR	0.00	0.00	0.000	17.17	18.14	15.88	17.88
12-0102X	12	G100YR24HR	22.17	362.66	0.079	22.17	19.86	20.64	19.19
13A0100	13A	G002YR24HR	15.37	587.10	1.737	15.37	10.21	0.00	8.75
13A0100	13A	G010YR24HR	15.60	1008.40	1.737	15.60	11.75	0.00	8.75
13A0100	13A	G025YR24HR	15.68	1277.15	1.737	15.68	12.69	15.48	9.04
13A0100	13A	G100YR24HR	15.90	1661.99	4.818	15.90	13.60	15.82	10.26
13A0300	13A	G002YR24HR	15.35	585.97	2.411	15.36	10.69	15.37	10.21
13A0300	13A	G010YR24HR	15.54	1006.88	2.411	15.58	12.40	15.60	11.75
13A0300	13A	G025YR24HR	15.62	1275.34	16.481	15.66	13.39	15.68	12.69
13A0300	13A	G100YR24HR	15.90	1659.13	16.460	15.90	14.48	15.90	13.60
13A0400B	13A	G002YR24HR	15.39	570.50	-0.230	15.37	10.87	15.36	10.69
13A0400B	13A	G010YR24HR	15.63	979.90	-0.230	15.58	12.60	15.58	12.40
13A0400B	13A	G025YR24HR	15.73	1240.21	0.325	15.67	13.61	15.66	13.39
13A0400B	13A	G100YR24HR	16.17	1613.25	0.367	15.93	14.73	15.90	14.48
13A0600	13A	G002YR24HR	15.38	570.49	7.994	15.37	11.41	15.37	10.87
13A0600	13A	G010YR24HR	15.61	979.85	7.994	15.59	13.27	15.58	12.60
13A0600	13A	G025YR24HR	15.70	1240.12	7.994	15.68	14.30	15.67	13.61
13A0600	13A	G100YR24HR	16.15	1613.07	7.994	16.04	15.57	15.93	14.73
13A0600G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0600G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A0700C	13A	G002YR24HR	15.38	199.73	5.845	15.37	11.49	15.37	11.41
13A0700C	13A	G010YR24HR	17.07	342.36	30.346	15.59	13.53	15.59	13.27
13A0700C	13A	G025YR24HR	15.70	427.18	30.337	15.68	14.83	15.68	14.30
13A0700C	13A	G100YR24HR	16.17	555.84	29.796	16.08	16.47	16.04	15.57
13A0701C	13A	G002YR24HR	15.38	181.59	5.103	15.37	11.49	15.37	11.41
13A0701C	13A	G010YR24HR	17.07	316.12	-24.089	15.59	13.53	15.59	13.27
13A0701C	13A	G025YR24HR	15.70	398.46	23.952	15.68	14.83	15.68	14.30
13A0701C	13A	G100YR24HR	16.17	518.47	23.416	16.08	16.47	16.04	15.57
13A0702C	13A	G002YR24HR	15.38	185.56	5.275	15.37	11.49	15.37	11.41
13A0702C	13A	G010YR24HR	15.60	325.07	-21.756	15.59	13.53	15.59	13.27
13A0702C	13A	G025YR24HR	15.70	407.66	-21.757	15.68	14.83	15.68	14.30
13A0702C	13A	G100YR24HR	16.17	530.44	-21.173	16.08	16.47	16.04	15.57
13A0720S	13A	G002YR24HR	12.83	19.65	0.003	12.83	16.60	12.83	10.50
13A0720S	13A	G010YR24HR	13.12	23.62	0.004	13.60	17.15	14.81	13.43
13A0720S	13A	G025YR24HR	12.46	24.71	0.752	14.26	18.35	15.68	14.83
13A0720S	13A	G100YR24HR	12.05	26.47	0.452	14.71	20.31	16.08	16.47
13A0730D	13A	G002YR24HR	12.85	18.92	0.002	12.85	19.49	12.83	16.60
13A0730D	13A	G010YR24HR	13.18	22.89	-0.003	13.35	20.30	13.60	17.15
13A0730D	13A	G025YR24HR	13.20	22.45	-0.004	13.81	21.30	14.26	18.35
13A0730D	13A	G100YR24HR	13.76	22.37	-0.003	14.41	23.30	14.71	20.31
13A0730W	13A	G002YR24HR	0.00	0.00	0.000	12.85	19.49	15.37	11.49
13A0730W	13A	G010YR24HR	0.00	0.00	0.000	13.35	20.30	15.59	13.53
13A0730W	13A	G025YR24HR	0.00	0.00	0.000	13.81	21.30	15.68	14.83
13A0730W	13A	G100YR24HR	0.00	0.00	0.000	14.41	23.30	16.08	16.47
13A0810W	13A	G002YR24HR	13.88	18.71	0.001	13.88	22.12	15.37	11.49
13A0810W	13A	G010YR24HR	13.84	31.71	0.001	13.84	22.20	15.59	13.53
13A0810W	13A	G025YR24HR	13.82	40.89	0.002	13.82	22.24	15.68	14.83
13A0810W	13A	G100YR24HR	13.80	56.99	0.003	13.80	22.31	16.08	16.47
13A0900	13A	G002YR24HR	15.40	545.96	10.273	15.40	14.37	15.37	11.49
13A0900	13A	G010YR24HR	15.67	941.80	9.966	15.65	15.94	15.59	13.53
13A0900	13A	G025YR24HR	15.74	1183.32	9.850	15.72	16.84	15.68	14.83
13A0900	13A	G100YR24HR	16.30	1546.70	9.743	16.16	18.07	16.08	16.47
13A0950	13A	G002YR24HR	15.31	546.27	0.154	15.36	15.01	15.40	14.37
13A0950	13A	G010YR24HR	15.59	941.94	0.154	15.63	16.50	15.65	15.94
13A0950	13A	G025YR24HR	15.67	1183.37	0.154	15.70	17.34	15.72	16.84
13A0950	13A	G100YR24HR	16.19	1546.29	0.154	16.16	18.46	16.16	18.07
13A1000	13A	G002YR24HR	14.90	380.67	9.805	15.32	15.09	15.36	15.01
13A1000	13A	G010YR24HR	14.93	672.86	9.805	15.60	16.56	15.63	16.50
13A1000	13A	G025YR24HR	14.99	856.12	9.805	15.68	17.39	15.70	17.34
13A1000	13A	G100YR24HR	14.98	1109.80	9.805	16.15	18.50	16.16	18.46
13A1100	13A	G002YR24HR	14.86	378.88	12.217	15.04	15.92	15.32	15.09
13A1100	13A	G010YR24HR	14.89	670.09	12.217	15.30	17.34	15.60	16.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A1100	13A	G025YR24HR	14.92	852.38	12.217	15.43	18.06	15.68	17.39
13A1100	13A	G100YR24HR	14.97	1102.22	12.217	15.96	19.03	16.15	18.50
13A1200C	13A	G002YR24HR	14.86	105.35	2.958	14.94	17.01	15.04	15.92
13A1200C	13A	G010YR24HR	14.39	168.09	2.958	15.03	20.09	15.30	17.34
13A1200C	13A	G025YR24HR	13.61	169.04	2.958	15.10	20.77	15.43	18.06
13A1200C	13A	G100YR24HR	12.35	171.65	2.958	15.44	21.51	15.96	19.03
13A1201C	13A	G002YR24HR	14.86	133.09	5.858	14.94	17.01	15.04	15.92
13A1201C	13A	G010YR24HR	14.39	212.35	5.858	15.03	20.09	15.30	17.34
13A1201C	13A	G025YR24HR	13.61	213.56	5.858	15.10	20.77	15.43	18.06
13A1201C	13A	G100YR24HR	12.35	216.85	5.858	15.44	21.51	15.96	19.03
13A1202C	13A	G002YR24HR	14.86	133.09	11.656	14.94	17.01	15.04	15.92
13A1202C	13A	G010YR24HR	14.39	212.35	10.136	15.03	20.09	15.30	17.34
13A1202C	13A	G025YR24HR	13.61	213.56	-10.812	15.10	20.77	15.43	18.06
13A1202C	13A	G100YR24HR	12.35	216.85	-11.292	15.44	21.51	15.96	19.03
13A1400	13A	G002YR24HR	14.83	369.88	9.534	14.88	18.45	14.94	17.01
13A1400	13A	G010YR24HR	14.91	654.50	13.360	14.98	20.80	15.03	20.09
13A1400	13A	G025YR24HR	14.97	832.42	13.844	15.03	21.50	15.10	20.77
13A1400	13A	G100YR24HR	15.17	1075.14	14.055	15.32	22.24	15.44	21.51
13A1500C	13A	G002YR24HR	14.21	114.27	6.885	14.87	18.90	14.88	18.45
13A1500C	13A	G010YR24HR	14.88	215.43	6.885	14.91	23.76	14.98	20.80
13A1500C	13A	G025YR24HR	14.94	273.95	6.885	14.96	26.29	15.03	21.50
13A1500C	13A	G100YR24HR	15.15	353.78	6.885	15.17	30.23	15.32	22.24
13A1501C_1	13A	G002YR24HR	14.74	129.30	5.478	14.87	18.90	14.88	18.45
13A1501C_1	13A	G010YR24HR	14.88	219.06	5.478	14.91	23.76	14.98	20.80
13A1501C_1	13A	G025YR24HR	14.94	278.57	5.478	14.96	26.29	15.03	21.50
13A1501C_1	13A	G100YR24HR	15.15	359.75	5.478	15.17	30.23	15.32	22.24
13A1501C_2	13A	G002YR24HR	14.74	129.30	5.478	14.87	18.90	14.88	18.45
13A1501C_2	13A	G010YR24HR	14.88	219.06	5.478	14.91	23.76	14.98	20.80
13A1501C_2	13A	G025YR24HR	14.94	278.57	5.478	14.96	26.29	15.03	21.50
13A1501C_2	13A	G100YR24HR	15.15	359.75	5.478	15.17	30.23	15.32	22.24
13A1700	13A	G002YR24HR	14.71	368.50	12.973	14.78	21.45	14.87	18.90
13A1700	13A	G010YR24HR	14.76	651.71	103.083	14.88	24.58	14.91	23.76
13A1700	13A	G025YR24HR	14.74	829.58	103.219	14.95	26.59	14.96	26.29
13A1700	13A	G100YR24HR	14.89	1070.45	103.214	15.17	30.30	15.17	30.23
13A1800	13A	G002YR24HR	14.63	364.10	17.364	14.69	22.76	14.78	21.45
13A1800	13A	G010YR24HR	14.61	645.63	17.364	14.82	25.29	14.88	24.58
13A1800	13A	G025YR24HR	14.46	826.11	17.364	14.90	27.04	14.95	26.59
13A1800	13A	G100YR24HR	14.36	1068.37	17.364	15.16	30.47	15.17	30.30
13A1900	13A	G002YR24HR	14.56	362.85	3.947	14.60	25.32	14.69	22.76
13A1900	13A	G010YR24HR	14.44	645.70	3.947	14.69	26.64	14.82	25.29
13A1900	13A	G025YR24HR	14.30	831.39	3.947	14.81	27.64	14.90	27.04
13A1900	13A	G100YR24HR	14.07	1084.14	-34.639	15.14	30.61	15.16	30.47
13A2000B	13A	G002YR24HR	14.55	360.24	10.317	14.58	26.07	14.60	25.32
13A2000B	13A	G010YR24HR	13.74	506.49	-114.195	14.59	27.55	14.69	26.64
13A2000B	13A	G025YR24HR	12.86	493.76	-110.117	14.66	28.08	14.81	27.64
13A2000B	13A	G100YR24HR	28.57	497.41	-108.483	15.14	30.63	15.14	30.61
13A2200	13A	G002YR24HR	14.58	361.32	41.715	14.58	27.79	14.58	26.07
13A2200	13A	G010YR24HR	14.35	641.58	72.426	13.80	29.46	14.59	27.55
13A2200	13A	G025YR24HR	14.12	830.32	72.249	14.20	29.91	14.66	28.08
13A2200	13A	G100YR24HR	13.83	1123.40	-71.792	14.95	31.38	15.14	30.63
13A2200G	13A	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2200G	13A	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13A2210D	13A	G002YR24HR	14.12	1.87	0.000	14.12	30.70	14.58	27.79
13A2210D	13A	G010YR24HR	13.16	6.29	0.001	13.16	31.16	13.80	29.46
13A2210D	13A	G025YR24HR	13.02	10.72	0.001	13.02	31.52	14.20	29.91
13A2210D	13A	G100YR24HR	12.68	15.69	0.002	13.07	32.22	14.95	31.38
13A2300	13A	G002YR24HR	14.42	354.01	10.453	14.43	29.50	14.58	27.79
13A2300	13A	G010YR24HR	14.36	627.00	10.453	14.35	31.11	13.80	29.46
13A2300	13A	G025YR24HR	14.21	808.13	10.453	14.21	31.81	14.20	29.91
13A2300	13A	G100YR24HR	13.83	1103.69	10.453	14.24	32.96	14.95	31.38
13A2325B	13A	G002YR24HR	14.36	353.98	9.610	14.42	29.73	14.43	29.50
13A2325B	13A	G010YR24HR	13.62	1113.17	540.632	13.62	31.39	14.35	31.11
13A2325B	13A	G025YR24HR	12.80	1113.75	540.638	14.20	32.08	14.21	31.81
13A2325B	13A	G100YR24HR	12.31	1103.41	537.187	14.17	33.18	14.24	32.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A2400	13A	G002YR24HR	14.29	353.36	10.689	14.35	30.62	14.42	29.73
13A2400	13A	G010YR24HR	13.63	647.42	54.481	13.62	31.85	13.62	31.39
13A2400	13A	G025YR24HR	14.13	805.23	52.250	14.19	32.59	14.20	32.08
13A2400	13A	G100YR24HR	13.83	1104.33	49.332	14.08	33.64	14.17	33.18
13A2500B	13A	G002YR24HR	14.22	353.19	12.334	14.32	31.19	14.35	30.62
13A2500B	13A	G010YR24HR	12.82	623.20	-207.044	14.28	32.68	13.62	31.85
13A2500B	13A	G025YR24HR	12.44	627.15	-206.955	14.14	33.38	14.19	32.59
13A2500B	13A	G100YR24HR	12.43	629.06	-206.771	13.95	34.09	14.08	33.64
13A2750	13A	G002YR24HR	13.94	350.83	8.109	14.18	32.24	14.32	31.19
13A2750	13A	G010YR24HR	14.17	609.89	8.109	14.24	33.34	14.28	32.68
13A2750	13A	G025YR24HR	14.08	783.41	8.109	14.11	33.97	14.14	33.38
13A2750	13A	G100YR24HR	13.83	1069.67	8.109	13.89	34.72	13.95	34.09
13A2800	13A	G002YR24HR	13.47	335.86	16.389	13.66	34.25	14.18	32.24
13A2800	13A	G010YR24HR	13.59	568.58	16.389	13.74	35.29	14.24	33.34
13A2800	13A	G025YR24HR	13.58	720.12	16.389	13.75	35.75	14.11	33.97
13A2800	13A	G100YR24HR	13.64	938.32	16.389	13.74	36.42	13.89	34.72
13A2810D	13A	G002YR24HR	26.42	2.08	-0.587	20.30	33.29	13.66	34.25
13A2810D	13A	G010YR24HR	26.27	2.18	0.018	20.21	34.12	13.74	35.29
13A2810D	13A	G025YR24HR	21.50	2.81	0.026	19.54	34.69	13.75	35.75
13A2810D	13A	G100YR24HR	18.11	6.83	0.023	16.60	35.96	13.74	36.42
13A2900	13A	G002YR24HR	13.28	353.96	20.292	13.31	36.84	13.66	34.25
13A2900	13A	G010YR24HR	13.18	604.04	20.292	13.26	37.65	13.74	35.29
13A2900	13A	G025YR24HR	13.15	766.55	20.292	13.20	38.10	13.75	35.75
13A2900	13A	G100YR24HR	13.07	1011.56	20.292	13.19	38.76	13.74	36.42
13A3000	13A	G002YR24HR	12.80	317.47	13.292	12.92	37.65	13.31	36.84
13A3000	13A	G010YR24HR	12.93	474.53	13.292	13.07	38.49	13.26	37.65
13A3000	13A	G025YR24HR	13.01	567.49	13.292	13.12	38.98	13.20	38.10
13A3000	13A	G100YR24HR	13.22	699.77	13.292	13.20	39.67	13.19	38.76
13A3100C	13A	G002YR24HR	12.09	70.18	55.998	12.91	37.68	12.92	37.65
13A3100C	13A	G010YR24HR	12.25	79.15	55.998	13.06	38.53	13.07	38.49
13A3100C	13A	G025YR24HR	12.29	87.12	55.998	13.10	39.03	13.12	38.98
13A3100C	13A	G100YR24HR	12.17	96.39	55.998	13.19	39.73	13.20	39.67
13A3101C	13A	G002YR24HR	12.09	72.50	59.335	12.91	37.68	12.92	37.65
13A3101C	13A	G010YR24HR	12.25	81.76	59.335	13.06	38.53	13.07	38.49
13A3101C	13A	G025YR24HR	12.29	89.99	59.335	13.10	39.03	13.12	38.98
13A3101C	13A	G100YR24HR	12.17	99.56	59.335	13.19	39.73	13.20	39.67
13A3102C	13A	G002YR24HR	12.09	69.03	55.292	12.91	37.68	12.92	37.65
13A3102C	13A	G010YR24HR	12.25	77.85	55.292	13.06	38.53	13.07	38.49
13A3102C	13A	G025YR24HR	12.29	85.68	55.292	13.10	39.03	13.12	38.98
13A3102C	13A	G100YR24HR	12.17	94.80	55.292	13.19	39.73	13.20	39.67
13A3300	13A	G002YR24HR	12.56	318.19	13.035	12.81	37.93	12.91	37.68
13A3300	13A	G010YR24HR	12.63	478.07	13.035	12.94	38.82	13.06	38.53
13A3300	13A	G025YR24HR	12.49	575.26	13.035	12.97	39.35	13.10	39.03
13A3300	13A	G100YR24HR	12.65	695.73	13.035	13.00	40.22	13.19	39.73
13A3310C	13A	G002YR24HR	12.33	10.65	-0.003	12.55	39.87	12.81	37.93
13A3310C	13A	G010YR24HR	12.54	11.60	0.299	12.62	42.01	12.94	38.82
13A3310C	13A	G025YR24HR	12.20	11.84	0.029	12.30	42.19	12.97	39.35
13A3310C	13A	G100YR24HR	12.03	11.84	0.021	12.13	42.36	13.00	40.22
13A3310W	13A	G002YR24HR	0.00	0.00	0.000	12.55	39.87	12.81	37.93
13A3310W	13A	G010YR24HR	12.62	3.24	0.003	12.62	42.01	12.94	38.82
13A3310W	13A	G025YR24HR	12.30	25.02	0.028	12.30	42.19	12.97	39.35
13A3310W	13A	G100YR24HR	12.13	55.31	0.059	12.13	42.36	13.00	40.22
13A3400	13A	G002YR24HR	12.55	307.20	12.086	12.64	38.98	12.81	37.93
13A3400	13A	G010YR24HR	12.64	460.14	12.086	12.74	40.10	12.94	38.82
13A3400	13A	G025YR24HR	12.66	548.59	12.086	12.79	40.62	12.97	39.35
13A3400	13A	G100YR24HR	12.87	666.28	12.086	12.88	41.27	13.00	40.22
13A3410W	13A	G002YR24HR	0.00	0.00	0.000	25.50	47.61	12.64	38.98
13A3410W	13A	G010YR24HR	32.10	0.22	0.000	32.10	48.76	12.74	40.10
13A3410W	13A	G025YR24HR	19.66	5.04	0.000	19.66	48.85	12.79	40.62
13A3410W	13A	G100YR24HR	15.73	15.01	0.001	15.73	48.96	12.88	41.27
13A3430W	13A	G002YR24HR	0.00	0.00	0.000	38.50	50.05	25.50	47.61
13A3430W	13A	G010YR24HR	19.96	2.40	0.000	19.96	50.61	32.10	48.76
13A3430W	13A	G025YR24HR	16.88	5.61	0.001	16.88	50.68	19.66	48.85
13A3430W	13A	G100YR24HR	15.14	13.58	0.002	15.14	50.77	15.73	48.96
13A3500C_1	13A	G002YR24HR	12.68	90.98	7.816	12.64	39.08	12.64	38.98

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3500C_1	13A	G010YR24HR	12.94	133.40	7.816	12.76	40.32	12.74	40.10
13A3500C_1	13A	G025YR24HR	13.83	141.07	7.816	12.83	40.85	12.79	40.62
13A3500C_1	13A	G100YR24HR	28.61	159.53	7.816	12.98	41.50	12.88	41.27
13A3500C_2	13A	G002YR24HR	12.68	90.98	7.816	12.64	39.08	12.64	38.98
13A3500C_2	13A	G010YR24HR	12.94	133.40	7.816	12.76	40.32	12.74	40.10
13A3500C_2	13A	G025YR24HR	13.83	141.07	7.816	12.83	40.85	12.79	40.62
13A3500C_2	13A	G100YR24HR	28.61	159.53	7.816	12.98	41.50	12.88	41.27
13A3501C	13A	G002YR24HR	12.68	85.83	11.290	12.64	39.08	12.64	38.98
13A3501C	13A	G010YR24HR	12.94	125.85	11.290	12.76	40.32	12.74	40.10
13A3501C	13A	G025YR24HR	13.83	133.08	11.290	12.83	40.85	12.79	40.62
13A3501C	13A	G100YR24HR	28.61	150.49	11.290	12.98	41.50	12.88	41.27
13A3700	13A	G002YR24HR	12.69	260.51	5.513	12.67	39.90	12.64	39.08
13A3700	13A	G010YR24HR	12.90	391.45	5.513	12.81	40.95	12.76	40.32
13A3700	13A	G025YR24HR	13.07	468.32	5.513	12.92	41.47	12.83	40.85
13A3700	13A	G100YR24HR	13.31	579.42	5.513	13.13	42.11	12.98	41.50
13A3800C_1	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_1	13A	G010YR24HR	12.86	130.29	7.918	12.82	41.04	12.81	40.95
13A3800C_1	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_1	13A	G100YR24HR	13.29	192.92	7.918	13.17	42.52	13.13	42.11
13A3800C_2	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_2	13A	G010YR24HR	12.86	130.29	7.918	12.82	41.04	12.81	40.95
13A3800C_2	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_2	13A	G100YR24HR	13.29	192.92	7.918	13.17	42.52	13.13	42.11
13A3800C_3	13A	G002YR24HR	12.66	86.81	7.918	12.67	39.99	12.67	39.90
13A3800C_3	13A	G010YR24HR	12.86	130.29	7.918	12.82	41.04	12.81	40.95
13A3800C_3	13A	G025YR24HR	13.28	156.92	7.918	12.93	41.56	12.92	41.47
13A3800C_3	13A	G100YR24HR	13.29	192.92	7.918	13.17	42.52	13.13	42.11
13A3905C	13A	G002YR24HR	11.21	3.52	1.980	12.67	40.00	12.67	39.99
13A3905C	13A	G010YR24HR	11.72	4.10	1.980	12.82	41.05	12.82	41.04
13A3905C	13A	G025YR24HR	8.13	3.31	1.980	12.93	41.57	12.93	41.56
13A3905C	13A	G100YR24HR	6.40	3.35	1.980	13.17	42.52	13.17	42.52
13A3905W	13A	G002YR24HR	12.53	8.34	-0.072	12.67	40.00	12.67	39.99
13A3905W	13A	G010YR24HR	12.49	12.88	-0.051	12.82	41.05	12.82	41.04
13A3905W	13A	G025YR24HR	12.34	25.09	0.273	12.93	41.57	12.93	41.56
13A3905W	13A	G100YR24HR	12.12	45.07	1.507	13.17	42.52	13.17	42.52
13A3915C	13A	G002YR24HR	12.15	1.66	0.001	12.16	41.17	2.35	41.51
13A3915C	13A	G010YR24HR	12.13	2.01	0.001	12.13	41.25	1.56	41.51
13A3915C	13A	G025YR24HR	12.14	2.21	-0.001	12.93	41.58	12.93	41.56
13A3915C	13A	G100YR24HR	12.07	2.46	-0.148	13.17	42.52	13.17	42.52
13A3915W	13A	G002YR24HR	12.16	105.34	0.026	12.16	41.17	12.67	39.99
13A3915W	13A	G010YR24HR	12.13	172.10	0.025	12.13	41.25	12.82	41.04
13A3915W	13A	G025YR24HR	12.14	213.13	0.220	12.93	41.58	12.93	41.56
13A3915W	13A	G100YR24HR	12.08	269.11	-0.394	13.17	42.52	13.17	42.52
13A3925S	13A	G002YR24HR	12.10	58.37	-0.576	12.11	42.29	12.16	41.17
13A3925S	13A	G010YR24HR	12.09	88.37	0.611	12.09	43.82	12.13	41.25
13A3925S	13A	G025YR24HR	12.15	103.58	-0.677	12.15	44.84	12.93	41.58
13A3925S	13A	G100YR24HR	12.20	120.76	-1.502	12.36	46.53	13.17	42.52
13A3935S	13A	G002YR24HR	12.37	25.43	-0.120	12.11	42.46	12.11	42.29
13A3935S	13A	G010YR24HR	13.23	48.02	-2.724	12.09	44.07	12.09	43.82
13A3935S	13A	G025YR24HR	14.49	52.92	-2.736	12.46	45.23	12.15	44.84
13A3935S	13A	G100YR24HR	15.11	56.74	-2.480	12.63	47.31	12.36	46.53
13A3945S	13A	G002YR24HR	12.38	19.27	0.095	12.11	42.50	12.11	42.46
13A3945S	13A	G010YR24HR	13.43	46.22	-1.440	12.63	44.29	12.09	44.07
13A3945S	13A	G025YR24HR	14.53	51.41	-1.396	12.59	45.66	12.46	45.23
13A3945S	13A	G100YR24HR	15.34	55.10	-1.836	12.72	47.77	12.63	47.31
13A3951S	13A	G002YR24HR	18.57	3.67	0.001	18.66	45.43	18.57	42.61
13A3951S	13A	G010YR24HR	14.57	5.09	-0.098	20.41	47.13	12.63	44.29
13A3951S	13A	G025YR24HR	17.08	5.78	0.036	22.28	47.85	12.59	45.66
13A3951S	13A	G100YR24HR	24.13	6.49	-0.056	24.43	48.97	12.72	47.77
13A3975S	13A	G002YR24HR	13.00	9.26	0.275	12.11	42.49	12.11	42.50
13A3975S	13A	G010YR24HR	13.75	39.04	0.224	12.96	44.62	12.63	44.29
13A3975S	13A	G025YR24HR	14.83	44.31	0.377	12.95	45.96	12.59	45.66
13A3975S	13A	G100YR24HR	15.79	48.22	0.729	12.91	47.97	12.72	47.77
13A3985S	13A	G002YR24HR	13.10	9.16	0.124	13.10	42.83	13.10	42.68
13A3985S	13A	G010YR24HR	13.75	38.93	0.340	13.08	44.80	14.05	44.95
13A3985S	13A	G025YR24HR	14.84	44.26	-0.263	13.27	46.43	12.95	45.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A3985S	13A	G100YR24HR	15.79	48.17	-0.497	13.65	48.43	12.91	47.97
13A4000	13A	G002YR24HR	12.92	196.67	81.236	12.76	40.38	12.67	39.99
13A4000	13A	G010YR24HR	13.07	293.20	81.220	12.87	41.27	12.82	41.04
13A4000	13A	G025YR24HR	13.04	361.59	81.227	12.95	41.75	12.93	41.56
13A4000	13A	G100YR24HR	26.97	527.41	-81.236	13.18	42.65	13.17	42.52
13A4100	13A	G002YR24HR	12.50	191.39	12.038	12.68	40.72	12.76	40.38
13A4100	13A	G010YR24HR	35.32	265.47	12.038	12.85	41.52	12.87	41.27
13A4100	13A	G025YR24HR	12.79	341.98	12.038	12.91	42.02	12.95	41.75
13A4100	13A	G100YR24HR	27.26	507.76	12.038	13.15	42.90	13.18	42.65
13A4110C	13A	G002YR24HR	13.42	8.51	-7.593	12.92	40.44	12.76	40.38
13A4110C	13A	G010YR24HR	12.81	20.81	-0.197	12.87	41.51	12.87	41.27
13A4110C	13A	G025YR24HR	32.51	24.80	-0.126	12.92	42.02	12.95	41.75
13A4110C	13A	G100YR24HR	54.99	26.57	-0.079	13.15	42.90	13.18	42.65
13A4110W	13A	G002YR24HR	0.00	0.00	0.000	12.92	40.44	12.68	40.72
13A4110W	13A	G010YR24HR	0.00	0.00	0.011	12.87	41.51	12.85	41.52
13A4110W	13A	G025YR24HR	13.82	1.50	-0.274	12.92	42.02	12.91	42.02
13A4110W	13A	G100YR24HR	13.62	2.86	0.675	13.15	42.90	13.15	42.90
13A4200	13A	G002YR24HR	12.44	194.32	11.539	12.46	42.23	12.68	40.72
13A4200	13A	G010YR24HR	12.44	289.19	11.539	12.50	43.06	12.85	41.52
13A4200	13A	G025YR24HR	32.21	351.32	11.539	12.73	43.56	12.91	42.02
13A4200	13A	G100YR24HR	27.51	525.06	11.539	24.59	44.55	13.15	42.90
13A4300	13A	G002YR24HR	12.44	189.74	12.770	12.44	43.79	12.46	42.23
13A4300	13A	G010YR24HR	12.45	282.12	12.770	12.45	44.77	12.50	43.06
13A4300	13A	G025YR24HR	32.18	351.32	12.770	32.18	45.35	12.73	43.56
13A4300	13A	G100YR24HR	27.47	525.00	12.770	27.51	46.47	24.59	44.55
13A4400	13A	G002YR24HR	12.71	157.28	13.443	12.55	44.39	12.44	43.79
13A4400	13A	G010YR24HR	35.27	267.99	13.443	35.30	45.45	12.45	44.77
13A4400	13A	G025YR24HR	31.91	351.34	13.443	31.96	46.22	32.18	45.35
13A4400	13A	G100YR24HR	27.22	525.06	13.443	27.36	47.27	27.51	46.47
13A4500W	13A	G002YR24HR	12.61	151.49	9.407	12.56	44.76	12.55	44.39
13A4500W	13A	G010YR24HR	35.70	244.59	9.407	35.39	45.91	35.30	45.45
13A4500W	13A	G025YR24HR	34.16	318.86	9.407	32.65	46.71	31.96	46.22
13A4500W	13A	G100YR24HR	31.24	464.90	9.407	28.38	47.88	27.36	47.27
13A4700	13A	G002YR24HR	12.56	151.36	5.921	12.56	45.58	12.56	44.76
13A4700	13A	G010YR24HR	35.60	244.57	5.921	35.48	46.56	35.39	45.91
13A4700	13A	G025YR24HR	34.03	318.76	5.921	33.09	47.15	32.65	46.71
13A4700	13A	G100YR24HR	31.14	464.62	5.921	28.93	48.24	28.38	47.88
13A4800	13A	G002YR24HR	38.64	135.33	9.611	12.57	45.65	12.56	45.58
13A4800	13A	G010YR24HR	35.38	244.57	9.611	35.47	46.65	35.48	46.56
13A4800	13A	G025YR24HR	33.82	318.65	9.611	33.14	47.22	33.09	47.15
13A4800	13A	G100YR24HR	61.49	871.14	543.629	29.16	48.50	28.93	48.24
13A4900B	13A	G002YR24HR	38.62	135.33	9.724	12.58	45.93	12.57	45.65
13A4900B	13A	G010YR24HR	35.36	244.57	9.724	35.44	47.09	35.47	46.65
13A4900B	13A	G025YR24HR	33.80	318.65	9.724	33.34	47.76	33.14	47.22
13A4900B	13A	G100YR24HR	30.92	464.21	9.724	29.56	49.30	29.16	48.50
13A5050	13A	G002YR24HR	38.59	135.33	12.601	12.66	46.13	12.58	45.93
13A5050	13A	G010YR24HR	35.32	244.57	12.601	35.40	47.41	35.44	47.09
13A5050	13A	G025YR24HR	33.76	318.64	12.601	33.47	48.07	33.34	47.76
13A5050	13A	G100YR24HR	30.87	464.15	12.601	29.68	49.44	29.56	49.30
13A5100	13A	G002YR24HR	38.43	135.33	11.219	38.54	46.43	12.66	46.13
13A5100	13A	G010YR24HR	34.93	237.56	11.219	35.30	47.72	35.40	47.41
13A5100	13A	G025YR24HR	33.57	263.93	11.219	33.48	48.29	33.47	48.07
13A5100	13A	G100YR24HR	30.62	388.81	11.219	29.77	49.58	29.68	49.44
13A5200	13A	G002YR24HR	38.36	135.33	11.231	38.42	47.12	38.54	46.43
13A5200	13A	G010YR24HR	34.85	237.57	11.231	35.11	48.46	35.30	47.72
13A5200	13A	G025YR24HR	33.49	263.92	-11.369	33.49	48.97	33.48	48.29
13A5200	13A	G100YR24HR	30.55	388.77	11.231	30.02	50.20	29.77	49.58
13A5300	13A	G002YR24HR	34.31	136.47	11.877	36.74	47.47	38.42	47.12
13A5300	13A	G010YR24HR	32.11	246.91	11.877	33.74	48.90	35.11	48.46
13A5300	13A	G025YR24HR	30.69	321.29	11.877	31.69	49.51	33.49	48.97
13A5300	13A	G100YR24HR	26.40	469.95	11.877	29.04	50.57	30.02	50.20
13A5310D	13A	G002YR24HR	12.96	2.05	0.001	12.96	49.48	36.74	47.47
13A5310D	13A	G010YR24HR	12.44	11.86	0.004	12.44	51.05	33.74	48.90
13A5310D	13A	G025YR24HR	12.29	22.15	0.011	12.30	51.53	31.69	49.51
13A5310D	13A	G100YR24HR	11.98	23.49	-0.094	12.10	51.85	29.04	50.57

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13A5310W	13A	G002YR24HR	0.00	0.00	0.000	12.96	49.48	36.74	47.47
13A5310W	13A	G010YR24HR	0.00	0.00	0.000	12.44	51.05	33.74	48.90
13A5310W	13A	G025YR24HR	0.00	0.00	0.000	12.30	51.53	31.69	49.51
13A5310W	13A	G100YR24HR	12.10	23.43	0.033	12.10	51.85	29.04	50.57
13A5400	13A	G002YR24HR	34.29	136.47	12.697	35.12	48.30	36.74	47.47
13A5400	13A	G010YR24HR	32.09	246.93	12.697	32.72	49.91	33.74	48.90
13A5400	13A	G025YR24HR	30.66	321.32	12.697	30.97	50.75	31.69	49.51
13A5400	13A	G100YR24HR	26.39	470.05	12.697	26.57	52.19	29.04	50.57
13A5500	13A	G002YR24HR	34.25	136.48	12.207	34.81	48.72	35.12	48.30
13A5500	13A	G010YR24HR	32.04	246.94	12.207	32.54	50.34	32.72	49.91
13A5500	13A	G025YR24HR	30.64	321.45	12.207	30.86	51.20	30.97	50.75
13A5500	13A	G100YR24HR	26.35	470.09	-16.859	26.51	52.65	26.57	52.19
13A5600	13A	G002YR24HR	34.20	136.48	12.303	34.44	49.33	34.81	48.72
13A5600	13A	G010YR24HR	31.96	246.73	109.666	32.37	50.72	32.54	50.34
13A5600	13A	G025YR24HR	30.92	434.14	-147.942	30.86	51.71	30.86	51.20
13A5600	13A	G100YR24HR	45.14	678.44	-329.306	26.52	52.93	26.51	52.65
13A5700B	13A	G002YR24HR	34.18	136.48	11.962	34.31	50.01	34.44	49.33
13A5700B	13A	G010YR24HR	31.94	246.74	11.962	32.24	51.42	32.37	50.72
13A5700B	13A	G025YR24HR	30.57	305.95	24.404	30.72	52.46	30.86	51.71
13A5700B	13A	G100YR24HR	48.54	332.69	76.424	26.53	53.41	26.52	52.93
13A5900W	13A	G002YR24HR	34.17	136.48	47.328	34.21	51.47	34.31	50.01
13A5900W	13A	G010YR24HR	31.92	246.74	47.328	32.06	52.48	32.24	51.42
13A5900W	13A	G025YR24HR	30.45	305.79	47.328	30.65	53.02	30.72	52.46
13A5900W	13A	G100YR24HR	26.53	408.52	47.328	26.53	53.77	26.53	53.41
13A5910W	13A	G002YR24HR	0.00	0.00	0.000	34.21	51.47	34.81	48.72
13A5910W	13A	G010YR24HR	32.06	0.23	0.000	32.06	52.48	32.54	50.34
13A5910W	13A	G025YR24HR	30.65	15.57	0.000	30.65	53.02	30.86	51.20
13A5910W	13A	G100YR24HR	26.53	54.66	0.001	26.53	53.77	26.51	52.65
13A6200	13A	G002YR24HR	31.81	136.84	0.862	33.77	51.65	34.21	51.47
13A6200	13A	G010YR24HR	30.14	247.77	1.417	31.64	52.72	32.06	52.48
13A6200	13A	G025YR24HR	28.75	323.23	2.259	30.19	53.25	30.65	53.02
13A6200	13A	G100YR24HR	25.78	466.55	2.639	26.27	53.93	26.53	53.77
13B0200W	13B	G002YR24HR	12.47	58.28	0.008	12.47	15.58	15.36	10.69
13B0200W	13B	G010YR24HR	12.43	113.37	0.019	12.43	15.94	15.58	12.40
13B0200W	13B	G025YR24HR	12.45	154.19	0.023	12.45	16.15	15.66	13.39
13B0200W	13B	G100YR24HR	12.53	214.31	0.027	12.53	16.42	15.90	14.48
13B0300C	13B	G002YR24HR	12.46	55.19	-1.232	12.47	15.94	12.47	15.58
13B0300C	13B	G010YR24HR	12.41	104.95	1.403	12.42	17.24	12.43	15.94
13B0300C	13B	G025YR24HR	12.42	140.98	1.403	12.43	18.49	12.45	16.15
13B0300C	13B	G100YR24HR	12.50	190.93	-1.231	12.50	20.71	12.53	16.42
13B0500	13B	G002YR24HR	12.42	55.88	1.814	12.42	18.63	12.47	15.94
13B0500	13B	G010YR24HR	12.35	102.96	1.806	12.33	19.27	12.42	17.24
13B0500	13B	G025YR24HR	12.32	135.55	1.796	12.38	19.69	12.43	18.49
13B0500	13B	G100YR24HR	12.36	178.53	1.764	12.49	21.04	12.50	20.71
13B0600	13B	G002YR24HR	12.34	57.82	11.641	12.26	22.13	12.42	18.63
13B0600	13B	G010YR24HR	12.26	98.63	12.827	12.09	22.52	12.33	19.27
13B0600	13B	G025YR24HR	12.26	130.01	12.531	12.25	22.70	12.38	19.69
13B0600	13B	G100YR24HR	12.26	185.29	11.643	12.27	23.03	12.49	21.04
13C0100	13C	G002YR24HR	16.12	179.94	-6.819	15.37	15.02	15.36	15.01
13C0100	13C	G010YR24HR	18.32	306.04	-6.881	15.63	16.51	15.63	16.50
13C0100	13C	G025YR24HR	17.86	376.62	-6.947	15.71	17.35	15.70	17.34
13C0100	13C	G100YR24HR	22.28	667.16	-7.090	16.17	18.47	16.16	18.46
13C0200	13C	G002YR24HR	16.01	174.79	0.030	15.41	15.11	15.37	15.02
13C0200	13C	G010YR24HR	18.06	295.38	0.030	15.65	16.54	15.63	16.51
13C0200	13C	G025YR24HR	17.81	365.26	0.030	15.72	17.37	15.71	17.35
13C0200	13C	G100YR24HR	22.26	661.74	-0.035	16.17	18.49	16.17	18.47
13C0300	13C	G002YR24HR	15.92	173.19	-7.784	15.54	15.36	15.41	15.11
13C0300	13C	G010YR24HR	17.97	291.55	-7.585	15.68	16.65	15.65	16.54
13C0300	13C	G025YR24HR	17.79	361.08	-7.863	15.76	17.44	15.72	17.37
13C0300	13C	G100YR24HR	22.25	660.38	-8.711	16.22	18.55	16.17	18.49
13C0400D	13C	G002YR24HR	12.18	46.06	-2.553	15.65	15.73	15.54	15.36
13C0400D	13C	G010YR24HR	11.88	44.44	-1.799	15.85	16.99	15.68	16.65
13C0400D	13C	G025YR24HR	11.79	41.71	-1.844	15.86	17.78	15.76	17.44
13C0400D	13C	G100YR24HR	22.56	53.89	1.769	18.08	19.03	16.22	18.55
13C0401D	13C	G002YR24HR	12.19	43.07	-0.445	15.65	15.73	15.54	15.36
13C0401D	13C	G010YR24HR	11.91	41.75	-0.441	15.85	16.99	15.68	16.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C0401D	13C	G025YR24HR	11.81	39.46	-0.442	15.86	17.78	15.76	17.44
13C0401D	13C	G100YR24HR	22.55	53.65	-0.445	18.08	19.03	16.22	18.55
13C0600	13C	G002YR24HR	15.83	171.83	0.052	15.67	15.83	15.65	15.73
13C0600	13C	G010YR24HR	17.82	286.83	0.052	15.87	17.10	15.85	16.99
13C0600	13C	G025YR24HR	17.70	353.99	0.052	15.88	17.88	15.86	17.78
13C0600	13C	G100YR24HR	22.18	657.63	0.052	20.64	19.19	18.08	19.03
13C0650C	13C	G002YR24HR	20.23	94.52	-11.405	15.83	15.96	15.67	15.83
13C0650C	13C	G010YR24HR	25.17	152.86	-11.405	16.67	17.33	15.87	17.10
13C0650C	13C	G025YR24HR	27.60	214.40	-11.405	17.17	18.14	15.88	17.88
13C0650C	13C	G100YR24HR	32.67	267.78	-11.405	22.17	19.86	20.64	19.19
13C0800	13C	G002YR24HR	15.04	110.65	0.344	15.22	16.96	15.67	15.83
13C0800	13C	G010YR24HR	15.20	212.71	0.344	15.39	17.78	15.87	17.10
13C0800	13C	G025YR24HR	14.64	300.12	0.344	15.40	18.34	15.88	17.88
13C0800	13C	G100YR24HR	14.33	456.17	0.344	17.69	19.36	20.64	19.19
13C0900C	13C	G002YR24HR	14.96	111.09	-0.522	15.11	17.31	15.22	16.96
13C0900C	13C	G010YR24HR	15.00	205.69	-0.531	15.15	19.56	15.39	17.78
13C0900C	13C	G025YR24HR	12.56	216.54	-0.535	14.65	19.95	15.40	18.34
13C0900C	13C	G100YR24HR	12.21	227.51	-0.537	14.32	20.30	17.69	19.36
13C1100	13C	G002YR24HR	14.88	110.25	-12.468	14.88	19.82	15.11	17.31
13C1100	13C	G010YR24HR	14.96	214.17	-12.489	15.03	21.02	15.15	19.56
13C1100	13C	G025YR24HR	14.50	304.46	-12.508	14.52	21.48	14.65	19.95
13C1100	13C	G100YR24HR	14.17	469.36	-12.536	14.18	22.05	14.32	20.30
13C1200	13C	G002YR24HR	14.70	106.01	-11.806	14.58	23.64	14.88	19.82
13C1200	13C	G010YR24HR	14.76	210.37	-12.414	14.35	24.19	15.03	21.02
13C1200	13C	G025YR24HR	14.27	296.20	-12.239	14.11	24.47	14.52	21.48
13C1200	13C	G100YR24HR	14.04	454.20	-11.430	13.89	24.91	14.18	22.05
13C1300	13C	G002YR24HR	14.30	105.39	-0.916	14.05	25.13	14.58	23.64
13C1300	13C	G010YR24HR	14.72	207.05	-3.790	14.45	25.72	14.35	24.19
13C1300	13C	G025YR24HR	14.13	290.79	2.455	14.14	26.04	14.11	24.47
13C1300	13C	G100YR24HR	13.93	446.10	2.678	13.94	26.52	13.89	24.91
13C1350	13C	G002YR24HR	14.26	102.63	0.974	14.26	26.26	14.05	25.13
13C1350	13C	G010YR24HR	14.31	203.83	1.296	14.31	26.82	14.45	25.72
13C1350	13C	G025YR24HR	14.05	287.82	1.266	14.06	27.17	14.14	26.04
13C1350	13C	G100YR24HR	13.81	436.80	1.290	13.83	27.63	13.94	26.52
13C1350W_1	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_1	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_1	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_1	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_2	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_2	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_2	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_2	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_3	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_3	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_3	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_3	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1350W_4	13C	G002YR24HR	0.00	0.00	0.000	14.26	26.26	14.05	25.13
13C1350W_4	13C	G010YR24HR	0.00	0.00	0.000	14.31	26.82	14.45	25.72
13C1350W_4	13C	G025YR24HR	0.00	0.00	0.000	14.06	27.17	14.14	26.04
13C1350W_4	13C	G100YR24HR	13.83	1.52	0.000	13.83	27.63	13.94	26.52
13C1400	13C	G002YR24HR	13.64	58.32	0.173	13.85	27.11	14.26	26.26
13C1400	13C	G010YR24HR	13.82	113.45	0.173	13.98	27.55	14.31	26.82
13C1400	13C	G025YR24HR	13.36	176.59	0.173	13.61	27.83	14.06	27.17
13C1400	13C	G100YR24HR	13.08	288.54	0.173	13.35	28.21	13.83	27.63
13C1500	13C	G002YR24HR	13.60	57.44	1.595	13.58	28.08	13.85	27.11
13C1500	13C	G010YR24HR	13.68	113.06	1.595	13.62	28.72	13.98	27.55
13C1500	13C	G025YR24HR	13.29	177.14	1.595	13.21	29.15	13.61	27.83
13C1500	13C	G100YR24HR	13.04	288.67	1.595	12.92	29.60	13.35	28.21
13C1500X	13C	G002YR24HR	0.00	0.00	0.000	13.58	28.08	14.05	25.13
13C1500X	13C	G010YR24HR	0.00	0.00	0.000	13.62	28.72	14.45	25.72
13C1500X	13C	G025YR24HR	0.00	0.00	0.000	13.21	29.15	14.14	26.04
13C1500X	13C	G100YR24HR	0.00	0.00	0.000	12.92	29.60	13.94	26.52
13C1600C	13C	G002YR24HR	13.55	57.44	3.627	13.55	28.88	12.61	28.49
13C1600C	13C	G010YR24HR	13.19	83.16	3.624	13.62	30.13	13.62	28.72
13C1600C	13C	G025YR24HR	12.62	84.04	3.627	13.23	30.35	13.21	29.15
13C1600C	13C	G100YR24HR	12.28	84.98	3.627	12.99	30.58	12.92	29.60

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13C1800	13C	G002YR24HR	13.22	56.65	0.826	13.48	29.22	13.55	28.88
13C1800	13C	G010YR24HR	13.44	111.88	3.360	13.59	30.24	13.62	30.13
13C1800	13C	G025YR24HR	13.18	173.56	3.369	13.21	30.52	13.23	30.35
13C1800	13C	G100YR24HR	12.98	280.68	3.385	12.98	30.85	12.99	30.58
13C1850	13C	G002YR24HR	13.71	34.24	-5.191	13.55	29.41	13.48	29.22
13C1850	13C	G010YR24HR	14.31	64.77	-6.354	13.65	30.34	13.59	30.24
13C1850	13C	G025YR24HR	13.59	88.91	4.798	13.31	30.64	13.21	30.52
13C1850	13C	G100YR24HR	13.52	133.71	5.391	13.15	31.00	12.98	30.85
13C1900	13C	G002YR24HR	14.82	16.05	0.587	13.93	29.49	13.55	29.41
13C1900	13C	G010YR24HR	14.69	36.35	0.565	14.05	30.38	13.65	30.34
13C1900	13C	G025YR24HR	14.68	52.03	0.565	13.41	30.67	13.31	30.64
13C1900	13C	G100YR24HR	14.63	80.03	0.679	13.32	31.04	13.15	31.00
13C2000	13C	G002YR24HR	12.72	101.77	-96.376	13.48	31.28	13.93	29.49
13C2000	13C	G010YR24HR	31.74	25.87	-19.736	13.62	31.52	14.05	30.38
13C2000	13C	G025YR24HR	44.44	25.49	-19.356	13.58	31.66	13.41	30.67
13C2000	13C	G100YR24HR	11.71	113.47	-108.137	13.47	31.90	13.32	31.04
13C2100C	13C	G002YR24HR	13.15	10.23	0.241	13.16	31.96	13.15	31.13
13C2100C	13C	G010YR24HR	13.22	19.17	0.241	13.24	32.79	13.22	31.71
13C2100C	13C	G025YR24HR	13.36	25.04	0.241	13.37	33.32	13.04	32.45
13C2100C	13C	G100YR24HR	13.35	32.55	0.241	13.35	34.14	12.42	32.45
13C2300W	13C	G002YR24HR	24.12	2.66	-0.001	23.79	31.94	13.16	31.96
13C2300W	13C	G010YR24HR	26.26	6.35	0.041	20.43	32.80	13.24	32.79
13C2300W	13C	G025YR24HR	26.31	7.80	0.047	21.20	33.50	13.37	33.32
13C2300W	13C	G100YR24HR	26.67	10.01	-0.789	22.82	34.78	13.35	34.14
13C2301W	13C	G002YR24HR	0.00	0.00	0.000	23.79	31.94	13.16	31.96
13C2301W	13C	G010YR24HR	0.00	0.00	0.000	20.43	32.80	13.24	32.79
13C2301W	13C	G025YR24HR	0.00	0.00	0.000	21.20	33.50	13.37	33.32
13C2301W	13C	G100YR24HR	0.00	0.00	0.000	22.82	34.78	13.35	34.14
13D0150	13D	G002YR24HR	12.36	159.36	-0.793	14.17	32.24	14.18	32.24
13D0150	13D	G010YR24HR	12.26	295.38	-1.828	14.24	33.35	14.24	33.34
13D0150	13D	G025YR24HR	12.26	381.18	-2.208	14.11	33.97	14.11	33.97
13D0150	13D	G100YR24HR	12.24	540.66	-3.009	13.88	34.72	13.89	34.72
13D0150W	13D	G002YR24HR	0.00	0.00	0.000	14.17	32.24	14.18	32.24
13D0150W	13D	G010YR24HR	0.00	0.00	0.000	14.24	33.35	14.24	33.34
13D0150W	13D	G025YR24HR	13.19	36.69	0.021	14.11	33.97	14.11	33.97
13D0150W	13D	G100YR24HR	12.54	189.20	0.075	13.88	34.72	13.89	34.72
13D0160C_1	13D	G002YR24HR	12.07	0.59	-0.020	14.30	32.25	14.17	32.24
13D0160C_1	13D	G010YR24HR	11.27	0.35	-0.007	14.41	33.36	14.24	33.35
13D0160C_1	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_1	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_2	13D	G002YR24HR	12.07	0.59	-0.020	14.30	32.25	14.17	32.24
13D0160C_2	13D	G010YR24HR	11.27	0.35	-0.007	14.41	33.36	14.24	33.35
13D0160C_2	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_2	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_3	13D	G002YR24HR	12.07	0.59	-0.020	14.30	32.25	14.17	32.24
13D0160C_3	13D	G010YR24HR	11.27	0.35	-0.007	14.41	33.36	14.24	33.35
13D0160C_3	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_3	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_4	13D	G002YR24HR	12.07	0.59	-0.020	14.30	32.25	14.17	32.24
13D0160C_4	13D	G010YR24HR	11.27	0.35	-0.007	14.41	33.36	14.24	33.35
13D0160C_4	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_4	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160C_5	13D	G002YR24HR	12.07	0.59	-0.020	14.30	32.25	14.17	32.24
13D0160C_5	13D	G010YR24HR	11.27	0.35	-0.007	14.41	33.36	14.24	33.35
13D0160C_5	13D	G025YR24HR	10.31	0.32	-0.005	14.30	33.98	14.11	33.97
13D0160C_5	13D	G100YR24HR	8.74	0.30	-0.005	14.10	34.74	13.88	34.72
13D0160W	13D	G002YR24HR	15.56	3.93	-0.001	14.30	32.25	14.17	32.24
13D0160W	13D	G010YR24HR	15.81	9.50	-0.005	14.41	33.36	14.24	33.35
13D0160W	13D	G025YR24HR	16.38	11.48	-0.006	14.30	33.98	14.11	33.97
13D0160W	13D	G100YR24HR	16.06	11.74	-0.008	14.10	34.74	13.88	34.72
13D0200	13D	G002YR24HR	12.35	166.60	-0.074	12.36	33.44	14.17	32.24
13D0200	13D	G010YR24HR	12.26	320.04	-0.322	12.27	34.73	14.24	33.35
13D0200	13D	G025YR24HR	12.25	422.81	-0.365	12.26	35.38	14.11	33.97
13D0200	13D	G100YR24HR	12.23	602.90	-0.633	12.25	36.24	13.88	34.72
13D0300S	13D	G002YR24HR	12.31	85.84	3.788	12.31	37.15	12.31	33.56

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13D0300S	13D	G010YR24HR	12.23	90.68	3.812	12.23	37.45	12.23	33.63
13D0300S	13D	G025YR24HR	12.20	93.34	4.020	12.20	37.62	15.85	33.69
13D0300S	13D	G100YR24HR	12.06	96.15	9.148	12.22	38.07	12.25	36.24
13D0320S	13D	G002YR24HR	12.39	84.39	3.704	12.34	38.82	12.31	37.15
13D0320S	13D	G010YR24HR	12.28	87.78	-3.696	12.25	39.26	12.23	37.45
13D0320S	13D	G025YR24HR	12.28	89.47	3.681	12.24	39.50	12.20	37.62
13D0320S	13D	G100YR24HR	12.57	90.76	-3.708	12.22	39.88	12.22	38.07
13D0340S	13D	G002YR24HR	13.36	55.88	0.213	12.35	38.92	12.34	38.82
13D0340S	13D	G010YR24HR	13.99	56.33	-0.219	12.25	39.38	12.25	39.26
13D0340S	13D	G025YR24HR	14.28	56.87	-0.209	12.23	39.64	12.24	39.50
13D0340S	13D	G100YR24HR	14.91	56.37	-0.213	12.22	40.05	12.22	39.88
13D0500	13D	G002YR24HR	12.37	118.56	3.924	12.35	39.00	12.35	38.92
13D0500	13D	G010YR24HR	12.25	229.41	-3.922	12.25	39.56	12.25	39.38
13D0500	13D	G025YR24HR	12.22	303.56	3.922	12.23	39.89	12.23	39.64
13D0500	13D	G100YR24HR	12.21	433.19	3.922	12.21	40.28	12.22	40.05
13D0600C	13D	G002YR24HR	12.41	94.27	-0.096	12.40	40.26	12.35	39.00
13D0600C	13D	G010YR24HR	12.67	121.37	-0.097	12.25	41.54	12.25	39.56
13D0600C	13D	G025YR24HR	12.89	121.49	-0.089	12.22	41.70	12.23	39.89
13D0600C	13D	G100YR24HR	13.18	121.60	-0.089	12.21	41.90	12.21	40.28
13D0750	13D	G002YR24HR	12.35	90.37	0.022	12.39	40.56	12.40	40.26
13D0750	13D	G010YR24HR	12.26	172.09	0.046	12.26	41.87	12.25	41.54
13D0750	13D	G025YR24HR	12.25	227.45	0.071	12.23	42.16	12.22	41.70
13D0750	13D	G100YR24HR	12.22	324.59	0.077	12.22	42.61	12.21	41.90
13D0800	13D	G002YR24HR	12.35	51.84	0.007	12.37	41.21	12.39	40.56
13D0800	13D	G010YR24HR	12.34	96.39	0.016	12.28	42.30	12.26	41.87
13D0800	13D	G025YR24HR	12.34	128.01	0.021	12.27	42.66	12.23	42.16
13D0800	13D	G100YR24HR	12.33	183.71	0.025	12.26	43.20	12.22	42.61
13F0200	13F	G002YR24HR	25.37	14.83	0.376	24.91	46.03	12.55	44.39
13F0200	13F	G010YR24HR	25.87	25.35	0.376	32.20	46.40	35.30	45.45
13F0200	13F	G025YR24HR	24.62	45.03	0.376	24.99	46.89	31.96	46.22
13F0200	13F	G100YR24HR	19.35	90.46	0.376	24.33	47.61	27.36	47.27
13F0300C	13F	G002YR24HR	25.36	6.98	0.557	25.36	46.93	25.36	46.43
13F0300C	13F	G010YR24HR	25.90	12.42	0.557	25.90	47.65	25.14	46.75
13F0300C	13F	G025YR24HR	24.58	15.50	0.557	24.58	48.02	24.31	46.90
13F0300C	13F	G100YR24HR	15.86	17.08	0.557	20.11	48.37	24.33	47.61
13F0301C	13F	G002YR24HR	25.36	7.85	0.992	25.36	46.93	25.36	46.32
13F0301C	13F	G010YR24HR	25.90	12.95	0.992	25.90	47.65	25.60	46.62
13F0301C	13F	G025YR24HR	24.69	16.13	0.992	24.58	48.02	24.99	46.89
13F0301C	13F	G100YR24HR	15.44	16.84	0.992	20.11	48.37	24.33	47.61
13F0405W_1	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_1	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_1	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.58	48.02
13F0405W_1	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.11	48.37
13F0405W_2	13F	G002YR24HR	12.62	3.18	0.001	12.62	49.40	25.36	46.93
13F0405W_2	13F	G010YR24HR	12.30	10.64	0.003	12.30	49.76	25.90	47.65
13F0405W_2	13F	G025YR24HR	12.23	15.83	0.003	12.23	49.94	24.58	48.02
13F0405W_2	13F	G100YR24HR	12.19	24.35	0.004	12.19	50.17	20.11	48.37
13F0415C_1	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_1	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_1	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_1	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_2	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_2	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_2	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_2	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_3	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_3	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_3	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_3	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0415C_4	13F	G002YR24HR	12.78	1.14	0.000	12.78	49.43	12.78	48.27
13F0415C_4	13F	G010YR24HR	12.65	2.66	0.001	12.65	49.72	12.65	48.45
13F0415C_4	13F	G025YR24HR	12.64	3.62	0.001	12.64	49.91	12.64	48.54
13F0415C_4	13F	G100YR24HR	12.75	4.02	-0.002	12.75	50.28	12.71	48.58
13F0425C_1	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_1	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_1	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F0425C_1	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_2	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_2	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_2	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_2	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_3	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_3	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_3	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_3	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_4	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_4	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_4	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_4	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_5	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_5	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_5	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_5	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_6	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_6	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_6	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_6	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_7	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_7	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_7	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_7	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0425C_8	13F	G002YR24HR	13.03	2.44	0.001	13.03	49.76	13.03	49.36
13F0425C_8	13F	G010YR24HR	12.83	5.16	0.001	12.83	50.03	12.83	49.56
13F0425C_8	13F	G025YR24HR	12.77	7.18	0.003	12.77	50.19	12.77	49.67
13F0425C_8	13F	G100YR24HR	12.71	10.76	0.003	12.71	50.44	12.71	49.85
13F0435W	13F	G002YR24HR	14.20	5.76	0.000	14.20	49.18	25.36	46.93
13F0435W	13F	G010YR24HR	13.51	14.90	0.001	13.51	49.48	25.90	47.65
13F0435W	13F	G025YR24HR	13.40	20.98	0.002	13.40	49.62	24.58	48.02
13F0435W	13F	G100YR24HR	13.37	30.31	-0.002	13.37	49.82	20.11	48.37
13F0445C	13F	G002YR24HR	12.93	7.04	0.103	14.10	49.21	14.20	49.18
13F0445C	13F	G010YR24HR	13.16	15.45	0.103	13.34	49.71	13.51	49.48
13F0445C	13F	G025YR24HR	13.15	21.26	0.103	13.24	50.09	13.40	49.62
13F0445C	13F	G100YR24HR	13.18	30.26	-0.103	13.22	50.77	13.37	49.82
13F0445W	13F	G002YR24HR	0.00	0.00	0.000	14.10	49.21	25.36	46.93
13F0445W	13F	G010YR24HR	0.00	0.00	0.000	13.34	49.71	25.90	47.65
13F0445W	13F	G025YR24HR	0.00	0.00	0.000	13.24	50.09	24.58	48.02
13F0445W	13F	G100YR24HR	0.00	0.00	0.000	13.22	50.77	20.11	48.37
13F0600D	13F	G002YR24HR	12.92	9.53	0.001	12.92	50.76	25.36	46.93
13F0600D	13F	G010YR24HR	12.78	12.31	0.001	12.78	50.99	25.90	47.65
13F0600D	13F	G025YR24HR	12.67	13.22	0.001	12.67	51.09	24.58	48.02
13F0600D	13F	G100YR24HR	12.50	14.21	0.001	12.50	51.21	20.11	48.37
13F0750	13F	G002YR24HR	17.58	9.82	0.003	1.06	53.51	12.92	50.76
13F0750	13F	G010YR24HR	15.64	23.48	0.003	15.69	53.71	12.78	50.99
13F0750	13F	G025YR24HR	16.69	32.53	0.003	16.99	53.81	12.67	51.09
13F0750	13F	G100YR24HR	16.71	52.33	0.005	17.47	54.00	12.50	51.21
13F0800	13F	G002YR24HR	17.67	9.51	0.009	17.69	54.11	1.06	53.51
13F0800	13F	G010YR24HR	15.93	22.72	0.009	15.94	54.50	15.69	53.71
13F0800	13F	G025YR24HR	16.90	31.68	0.009	16.90	54.70	16.99	53.81
13F0800	13F	G100YR24HR	17.04	51.12	0.009	17.02	54.95	17.47	54.00
13F0900C	13F	G002YR24HR	17.62	9.51	9.006	17.64	54.37	17.69	54.11
13F0900C	13F	G010YR24HR	15.90	22.72	9.006	15.90	55.14	15.94	54.50
13F0900C	13F	G025YR24HR	16.84	31.68	9.006	16.82	55.72	16.90	54.70
13F0900C	13F	G100YR24HR	17.02	51.12	9.006	17.02	56.77	16.44	55.09
13F1200D	13F	G002YR24HR	12.98	6.54	0.001	12.98	55.23	17.64	54.37
13F1200D	13F	G010YR24HR	12.22	9.89	0.006	12.30	55.45	15.90	55.14
13F1200D	13F	G025YR24HR	12.05	10.21	0.005	16.79	55.72	16.82	55.72
13F1200D	13F	G100YR24HR	11.91	9.50	-0.002	17.00	56.78	17.02	56.77
13F1200W	13F	G002YR24HR	12.98	15.71	0.007	12.98	55.23	17.64	54.37
13F1200W	13F	G010YR24HR	12.30	107.27	0.061	12.30	55.45	15.90	55.14
13F1200W	13F	G025YR24HR	12.19	164.08	0.060	16.79	55.72	16.82	55.72
13F1200W	13F	G100YR24HR	12.17	245.72	-0.110	17.00	56.78	17.02	56.77

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13F1374W	13F	G002YR24HR	17.70	0.75	0.000	17.70	64.97	72.00	60.78
13F1374W	13F	G010YR24HR	12.66	13.72	0.009	12.66	65.10	72.00	64.17
13F1374W	13F	G025YR24HR	12.38	27.40	-0.166	22.52	65.50	22.52	65.50
13F1374W	13F	G100YR24HR	12.22	47.40	-0.166	13.54	65.65	13.54	65.66
13G0100	13G	G002YR24HR	12.86	21.34	0.223	12.77	46.28	12.66	46.13
13G0100	13G	G010YR24HR	12.82	36.78	0.634	35.41	47.41	35.40	47.41
13G0100	13G	G025YR24HR	33.91	54.71	-3.273	33.50	48.12	33.47	48.07
13G0100	13G	G100YR24HR	45.96	95.32	13.684	29.70	49.47	29.68	49.44
13G0200	13G	G002YR24HR	12.80	21.15	-0.116	12.79	47.05	12.77	46.28
13G0200	13G	G010YR24HR	12.75	36.96	0.243	12.77	47.76	35.41	47.41
13G0200	13G	G025YR24HR	33.77	54.70	0.011	33.60	48.55	33.50	48.12
13G0200	13G	G100YR24HR	31.69	75.25	-0.313	29.83	49.70	29.70	49.47
13G0300C	13G	G002YR24HR	12.74	21.19	-0.468	12.79	47.08	12.79	47.05
13G0300C	13G	G010YR24HR	12.70	37.09	-0.788	12.76	47.80	12.77	47.76
13G0300C	13G	G025YR24HR	33.72	54.70	-0.772	33.63	48.80	33.60	48.55
13G0300C	13G	G100YR24HR	31.55	75.24	-0.327	30.06	50.16	29.83	49.70
13G0500	13G	G002YR24HR	12.68	20.39	-0.072	12.75	47.25	12.79	47.08
13G0500	13G	G010YR24HR	12.65	35.66	0.202	12.73	47.99	12.76	47.80
13G0500	13G	G025YR24HR	33.21	54.71	-0.023	33.57	48.91	33.63	48.80
13G0500	13G	G100YR24HR	30.15	75.17	0.022	30.06	50.17	30.06	50.16
13G0550W	13G	G002YR24HR	0.00	0.00	0.000	12.75	47.25	38.44	47.12
13G0550W	13G	G010YR24HR	0.00	0.00	-0.000	12.73	47.99	35.14	48.46
13G0550W	13G	G025YR24HR	12.70	2.82	0.001	33.57	48.91	33.52	48.97
13G0550W	13G	G100YR24HR	12.59	31.75	-0.075	30.06	50.17	30.05	50.20
13G0600	13G	G002YR24HR	12.16	5.32	-0.037	12.74	47.28	12.75	47.25
13G0600	13G	G010YR24HR	12.14	9.90	-0.145	12.71	48.02	12.73	47.99
13G0600	13G	G025YR24HR	12.13	13.29	-0.427	33.57	48.91	33.57	48.91
13G0600	13G	G100YR24HR	12.13	19.29	-1.006	30.02	50.17	30.06	50.17
13G1000W	13G	G002YR24HR	14.94	6.19	0.823	38.44	47.12	38.42	47.12
13G1000W	13G	G010YR24HR	60.29	7.62	3.325	35.14	48.46	35.11	48.46
13G1000W	13G	G025YR24HR	72.00	7.89	-3.925	33.52	48.97	33.49	48.97
13G1000W	13G	G100YR24HR	8.40	4.61	0.195	30.05	50.20	30.02	50.20
13G2000	13G	G002YR24HR	12.23	6.26	1.398	38.36	47.12	38.42	47.12
13G2000	13G	G010YR24HR	12.23	6.92	4.730	35.11	48.46	35.11	48.46
13G2000	13G	G025YR24HR	13.93	4.36	7.020	33.49	48.97	33.49	48.97
13G2000	13G	G100YR24HR	11.33	1.91	-1.460	30.03	50.20	30.02	50.20
13G2100	13G	G002YR24HR	12.23	7.58	-0.804	38.44	47.12	38.36	47.12
13G2100	13G	G010YR24HR	12.22	11.41	1.934	35.12	48.46	35.11	48.46
13G2100	13G	G025YR24HR	12.05	10.84	2.600	33.51	48.97	33.49	48.97
13G2100	13G	G100YR24HR	11.83	7.82	-0.669	30.04	50.20	30.03	50.20
13G2200W	13G	G002YR24HR	48.57	0.57	0.047	38.44	47.12	38.44	47.12
13G2200W	13G	G010YR24HR	59.60	2.50	-0.969	35.14	48.46	35.12	48.46
13G2200W	13G	G025YR24HR	72.00	2.68	-1.123	33.52	48.97	33.51	48.97
13G2200W	13G	G100YR24HR	0.00	0.00	-0.020	30.05	50.20	30.04	50.20
13H0100W	13H	G002YR24HR	0.00	0.00	0.000	72.00	52.01	34.81	48.72
13H0100W	13H	G010YR24HR	0.00	0.00	0.000	72.00	52.55	32.54	50.34
13H0100W	13H	G025YR24HR	0.00	0.00	0.000	72.00	52.94	30.86	51.20
13H0100W	13H	G100YR24HR	21.89	13.46	0.000	21.89	53.24	26.51	52.65
13H0120D	13H	G002YR24HR	13.75	2.14	0.000	13.75	55.07	72.00	52.01
13H0120D	13H	G010YR24HR	13.90	3.51	0.001	13.90	56.19	72.00	52.55
13H0120D	13H	G025YR24HR	14.11	4.28	0.001	14.11	57.06	72.00	52.94
13H0120D	13H	G100YR24HR	12.92	15.52	0.003	12.92	58.19	21.89	53.24
13H0200W	13H	G002YR24HR	0.00	0.00	0.000	25.50	56.60	72.00	52.01
13H0200W	13H	G010YR24HR	0.00	0.00	0.000	25.50	57.85	72.00	52.55
13H0200W	13H	G025YR24HR	0.00	0.00	0.000	25.50	58.72	72.00	52.94
13H0200W	13H	G100YR24HR	0.00	0.00	0.000	25.50	60.11	21.89	53.24
13H0320D	13H	G002YR24HR	14.80	0.45	-0.487	24.37	55.88	25.50	55.87
13H0320D	13H	G010YR24HR	13.68	1.44	-0.487	24.11	56.59	27.16	56.55
13H0320D	13H	G025YR24HR	13.71	1.99	-0.487	18.67	57.17	29.47	57.02
13H0320D	13H	G100YR24HR	13.06	10.50	-0.487	13.07	57.84	25.50	57.81
13I0200C	13I	G002YR24HR	26.67	26.55	-36.989	33.52	51.69	33.77	51.65
13I0200C	13I	G010YR24HR	22.20	38.97	-36.989	31.54	52.79	31.64	52.72
13I0200C	13I	G025YR24HR	12.42	44.43	-36.989	30.39	53.35	30.19	53.25
13I0200C	13I	G100YR24HR	12.42	60.43	-36.989	26.45	54.11	26.27	53.93
13I0201C	13I	G002YR24HR	27.40	18.40	-20.324	33.52	51.69	33.77	51.65
13I0201C	13I	G010YR24HR	30.75	37.58	-20.324	31.54	52.79	31.64	52.72

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I0201C	13I	G025YR24HR	32.83	51.77	-20.324	30.39	53.35	30.19	53.25
13I0201C	13I	G100YR24HR	49.82	62.87	-20.324	26.45	54.11	26.27	53.93
13I0400	13I	G002YR24HR	27.03	44.96	2.020	27.03	53.51	27.03	51.87
13I0400	13I	G010YR24HR	30.38	74.21	2.020	30.42	54.08	31.54	52.79
13I0400	13I	G025YR24HR	33.17	91.00	2.020	32.84	54.37	30.39	53.35
13I0400	13I	G100YR24HR	33.99	112.13	2.020	31.21	54.80	26.45	54.11
13I0500C_1	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_1	13I	G010YR24HR	30.36	37.10	-2.014	30.38	55.31	30.42	54.08
13I0500C_1	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.48	54.21
13I0500C_1	13I	G100YR24HR	33.96	56.06	-2.033	33.96	58.51	15.32	54.23
13I0500C_2	13I	G002YR24HR	27.00	22.48	-2.051	27.01	53.96	27.03	53.51
13I0500C_2	13I	G010YR24HR	30.36	37.10	-2.014	30.38	55.31	30.42	54.08
13I0500C_2	13I	G025YR24HR	33.16	45.50	-2.000	33.16	56.45	21.48	54.21
13I0500C_2	13I	G100YR24HR	33.96	56.06	-2.033	33.96	58.51	15.32	54.23
13I0605D	13I	G002YR24HR	24.22	0.64	0.000	24.29	54.75	27.01	53.96
13I0605D	13I	G010YR24HR	15.40	4.79	-0.001	15.49	55.81	30.38	55.31
13I0605D	13I	G025YR24HR	14.58	9.86	-0.022	14.64	56.67	33.16	56.45
13I0605D	13I	G100YR24HR	13.97	20.56	-2.481	33.96	58.51	33.96	58.51
13I0615C	13I	G002YR24HR	24.50	0.57	-0.220	24.29	54.75	24.29	54.75
13I0615C	13I	G010YR24HR	14.79	4.00	-0.220	15.48	55.81	15.49	55.81
13I0615C	13I	G025YR24HR	13.94	8.64	-0.220	14.64	56.69	14.64	56.67
13I0615C	13I	G100YR24HR	13.71	18.72	-0.220	33.95	58.51	33.96	58.51
13I0630W	13I	G002YR24HR	0.00	0.00	0.000	26.43	62.60	19.08	59.22
13I0630W	13I	G010YR24HR	24.31	2.11	0.000	24.31	63.17	20.08	60.62
13I0630W	13I	G025YR24HR	17.86	8.24	0.000	17.86	63.28	20.50	61.49
13I0630W	13I	G100YR24HR	14.01	35.00	0.004	14.01	63.53	19.37	62.86
13I0700	13I	G002YR24HR	27.95	31.06	0.383	27.95	56.71	27.95	55.34
13I0700	13I	G010YR24HR	19.91	67.74	0.383	19.91	57.55	19.91	55.96
13I0700	13I	G025YR24HR	20.56	111.73	0.383	20.56	58.27	20.56	56.55
13I0700	13I	G100YR24HR	19.43	174.23	0.383	19.43	59.08	33.96	58.51
13I0800C_1	13I	G002YR24HR	28.47	22.23	15.987	27.92	56.85	27.95	56.71
13I0800C_1	13I	G010YR24HR	19.90	33.87	16.002	19.91	57.71	19.91	57.55
13I0800C_1	13I	G025YR24HR	20.54	55.87	15.960	20.55	59.69	20.56	58.27
13I0800C_1	13I	G100YR24HR	19.41	87.12	-16.365	19.41	62.55	19.43	59.08
13I0800C_2	13I	G002YR24HR	28.47	22.23	15.987	27.92	56.85	27.95	56.71
13I0800C_2	13I	G010YR24HR	19.90	33.87	16.002	19.91	57.71	19.91	57.55
13I0800C_2	13I	G025YR24HR	20.54	55.87	15.960	20.55	59.69	20.56	58.27
13I0800C_2	13I	G100YR24HR	19.41	87.12	-16.365	19.41	62.55	19.43	59.08
13I1000	13I	G002YR24HR	18.70	28.75	5.666	19.18	59.12	27.92	56.85
13I1000	13I	G010YR24HR	20.00	66.87	6.155	20.02	60.08	19.91	57.71
13I1000	13I	G025YR24HR	20.55	132.38	-56.460	20.55	60.81	20.55	59.69
13I1000	13I	G100YR24HR	13.73	196.43	-62.522	19.37	62.84	19.41	62.55
13I1100C_1	13I	G002YR24HR	31.09	20.41	-19.551	19.08	59.22	19.18	59.12
13I1100C_1	13I	G010YR24HR	20.19	32.79	17.150	20.08	60.62	20.02	60.08
13I1100C_1	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_1	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1100C_2	13I	G002YR24HR	31.09	20.41	-19.551	19.08	59.22	19.18	59.12
13I1100C_2	13I	G010YR24HR	20.19	32.79	17.150	20.08	60.62	20.02	60.08
13I1100C_2	13I	G025YR24HR	25.39	43.76	16.543	20.50	61.49	20.55	60.81
13I1100C_2	13I	G100YR24HR	13.43	42.16	16.432	19.37	62.86	19.37	62.84
13I1210W	13I	G002YR24HR	0.00	0.00	0.000	27.50	65.73	19.08	59.22
13I1210W	13I	G010YR24HR	13.94	38.15	0.007	13.94	66.46	20.08	60.62
13I1210W	13I	G025YR24HR	13.26	70.14	0.016	13.26	66.67	20.50	61.49
13I1210W	13I	G100YR24HR	12.81	144.89	0.031	12.81	67.06	19.37	62.86
13I1250W	13I	G002YR24HR	13.26	110.31	0.014	13.26	60.07	19.08	59.22
13I1250W	13I	G010YR24HR	12.87	228.21	0.032	19.91	60.63	20.08	60.62
13I1250W	13I	G025YR24HR	12.72	334.69	0.058	20.48	61.50	20.50	61.49
13I1250W	13I	G100YR24HR	12.66	527.99	0.087	19.34	62.86	19.37	62.86
13I1400D	13I	G002YR24HR	12.59	123.50	0.022	12.78	62.42	13.26	60.07
13I1400D	13I	G010YR24HR	12.47	157.34	-0.034	12.72	64.49	19.91	60.63
13I1400D	13I	G025YR24HR	12.28	157.92	-0.037	12.63	64.65	20.48	61.50
13I1400D	13I	G100YR24HR	12.11	157.23	0.013	12.65	64.84	19.34	62.86
13I1502S	13I	G002YR24HR	14.71	37.84	-0.580	12.80	62.94	12.78	62.42
13I1502S	13I	G010YR24HR	14.95	50.52	-0.591	13.57	65.03	12.72	64.49
13I1502S	13I	G025YR24HR	15.50	48.61	0.678	13.56	65.39	12.63	64.65
13I1502S	13I	G100YR24HR	13.63	47.11	-0.714	13.34	65.76	12.65	64.84

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13I1504S	13I	G002YR24HR	14.78	37.71	-0.612	12.82	63.35	12.80	62.94
13I1504S	13I	G010YR24HR	15.24	46.19	-0.612	13.66	65.55	13.57	65.03
13I1504S	13I	G025YR24HR	13.48	43.30	0.737	13.54	66.08	13.56	65.39
13I1504S	13I	G100YR24HR	13.02	47.33	-1.238	13.22	66.55	13.34	65.76
13I1506S	13I	G002YR24HR	14.83	37.51	3.006	12.96	64.94	12.82	63.35
13I1506S	13I	G010YR24HR	16.07	36.34	-2.645	13.31	66.00	13.66	65.55
13I1506S	13I	G025YR24HR	16.79	32.86	-2.693	13.24	66.26	13.54	66.08
13I1506S	13I	G100YR24HR	11.51	33.31	-2.711	13.12	66.59	13.22	66.55
13I1507S	13I	G002YR24HR	17.42	19.00	3.735	13.02	65.36	12.96	64.94
13I1507S	13I	G010YR24HR	16.45	17.79	-3.296	13.30	66.01	13.31	66.00
13I1507S	13I	G025YR24HR	11.02	17.06	-3.225	13.24	66.26	13.24	66.26
13I1507S	13I	G100YR24HR	9.91	16.92	-3.200	13.12	66.59	13.12	66.59
13I1507X	13I	G002YR24HR	13.02	0.00	0.000	13.02	65.36	12.96	64.94
13I1507X	13I	G010YR24HR	12.74	13.13	0.649	13.30	66.01	13.31	66.00
13I1507X	13I	G025YR24HR	12.51	16.09	0.632	13.24	66.26	13.24	66.26
13I1507X	13I	G100YR24HR	12.30	18.48	3.974	13.12	66.59	13.12	66.59
13I1508S	13I	G002YR24HR	14.37	19.21	7.653	12.97	65.10	12.96	64.94
13I1508S	13I	G010YR24HR	15.88	18.62	-7.643	13.31	66.00	13.31	66.00
13I1508S	13I	G025YR24HR	11.88	17.36	-7.730	13.26	66.26	13.24	66.26
13I1508S	13I	G100YR24HR	11.63	17.89	-7.734	13.14	66.59	13.12	66.59
13I1510S	13I	G002YR24HR	14.39	19.15	-0.171	12.98	65.35	12.97	65.10
13I1510S	13I	G010YR24HR	15.90	18.55	-0.234	13.30	66.00	13.31	66.00
13I1510S	13I	G025YR24HR	11.89	17.93	-0.346	13.29	66.25	13.26	66.26
13I1510S	13I	G100YR24HR	11.71	18.23	-0.398	13.15	66.60	13.14	66.59
13I1510X	13I	G002YR24HR	12.98	0.00	-0.000	12.98	65.35	12.98	63.95
13I1510X	13I	G010YR24HR	13.07	26.09	0.006	13.30	66.00	13.66	65.55
13I1510X	13I	G025YR24HR	12.90	47.72	0.007	13.29	66.25	13.54	66.08
13I1510X	13I	G100YR24HR	12.67	79.87	0.014	13.15	66.60	13.22	66.55
13I1512S	13I	G002YR24HR	16.15	14.54	-7.178	13.02	65.36	12.98	65.35
13I1512S	13I	G010YR24HR	17.17	13.85	-7.674	13.30	66.01	13.30	66.00
13I1512S	13I	G025YR24HR	11.24	12.44	-9.508	13.24	66.26	13.29	66.25
13I1512S	13I	G100YR24HR	10.24	12.36	9.799	13.12	66.59	13.15	66.60
13I1512W	13I	G002YR24HR	0.00	0.00	0.000	13.02	65.36	12.98	65.35
13I1512W	13I	G010YR24HR	0.00	0.00	0.000	13.30	66.01	13.30	66.00
13I1512W	13I	G025YR24HR	13.05	3.38	0.001	13.24	66.26	13.29	66.25
13I1512W	13I	G100YR24HR	12.69	10.50	-0.053	13.12	66.59	13.15	66.60
13I1514S	13I	G002YR24HR	15.77	32.19	0.027	13.62	65.72	13.02	65.36
13I1514S	13I	G010YR24HR	16.98	30.93	0.026	13.19	66.15	13.30	66.01
13I1514S	13I	G025YR24HR	17.53	27.14	0.024	13.01	66.32	13.24	66.26
13I1514S	13I	G100YR24HR	10.41	25.14	-0.111	12.98	66.59	13.12	66.59
13I1514W	13I	G002YR24HR	0.00	0.00	0.000	13.62	65.72	12.96	64.94
13I1514W	13I	G010YR24HR	13.19	6.05	0.001	13.19	66.15	13.31	66.00
13I1514W	13I	G025YR24HR	12.94	15.35	0.003	13.01	66.32	13.24	66.26
13I1514W	13I	G100YR24HR	12.61	28.56	-0.071	12.98	66.59	13.12	66.59
13J0200C_1	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_1	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_1	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_1	13J	G100YR24HR	12.18	34.92	1.131	12.18	61.87	11.65	59.12
13J0200C_2	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_2	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_2	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_2	13J	G100YR24HR	12.18	34.92	1.131	12.18	61.87	11.65	59.12
13J0200C_3	13J	G002YR24HR	12.36	24.76	1.131	12.36	60.44	12.36	58.69
13J0200C_3	13J	G010YR24HR	12.25	32.52	1.131	12.25	61.49	11.93	59.12
13J0200C_3	13J	G025YR24HR	12.21	33.63	1.134	12.21	61.66	11.81	59.12
13J0200C_3	13J	G100YR24HR	12.18	34.92	1.131	12.18	61.87	11.65	59.12
13J0315W	13J	G002YR24HR	12.44	68.62	0.093	12.44	62.10	12.36	60.44
13J0315W	13J	G010YR24HR	12.25	114.06	-0.260	12.25	63.33	12.25	61.49
13J0315W	13J	G025YR24HR	12.20	141.88	-0.261	12.20	64.05	12.21	61.66
13J0315W	13J	G100YR24HR	12.17	165.81	-0.246	12.18	65.14	12.18	61.87
13J0316W	13J	G002YR24HR	0.00	0.00	0.000	12.44	62.10	12.36	60.44
13J0316W	13J	G010YR24HR	0.00	0.00	0.000	12.25	63.33	12.25	61.49
13J0316W	13J	G025YR24HR	0.00	0.00	0.000	12.20	64.05	12.21	61.66
13J0316W	13J	G100YR24HR	12.18	20.90	0.014	12.18	65.14	12.18	61.87
13J0340S_1	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0340S_1	13J	G010YR24HR	12.25	56.06	-4.365	12.25	64.98	12.25	63.33
13J0340S_1	13J	G025YR24HR	12.11	61.98	-4.390	12.20	66.02	12.20	64.05
13J0340S_1	13J	G100YR24HR	13.63	62.53	-4.158	12.17	66.70	12.18	65.14
13J0340S_2	13J	G002YR24HR	12.44	33.91	0.112	12.46	63.06	12.44	61.30
13J0340S_2	13J	G010YR24HR	12.25	56.06	-4.365	12.25	64.98	12.25	63.33
13J0340S_2	13J	G025YR24HR	12.11	61.98	-4.390	12.20	66.02	12.20	64.05
13J0340S_2	13J	G100YR24HR	13.63	62.53	-4.158	12.17	66.70	12.18	65.14
13J0340X	13J	G002YR24HR	0.00	0.00	0.000	12.46	63.06	12.44	62.10
13J0340X	13J	G010YR24HR	0.00	0.00	0.000	12.25	64.98	12.25	63.33
13J0340X	13J	G025YR24HR	12.20	16.96	0.014	12.20	66.02	12.20	65.23
13J0340X	13J	G100YR24HR	12.17	73.84	0.043	12.17	66.70	12.17	65.78
13J0360S_1	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_1	13J	G010YR24HR	12.95	43.10	-3.900	12.28	65.83	12.25	64.98
13J0360S_1	13J	G025YR24HR	13.30	52.43	-3.771	13.05	67.23	12.20	66.02
13J0360S_1	13J	G100YR24HR	14.26	53.52	-3.965	12.88	67.82	12.17	66.70
13J0360S_2	13J	G002YR24HR	12.86	28.27	0.137	12.86	63.74	12.35	63.06
13J0360S_2	13J	G010YR24HR	12.95	43.10	-3.900	12.28	65.83	12.25	64.98
13J0360S_2	13J	G025YR24HR	13.30	52.43	-3.771	13.05	67.23	12.20	66.02
13J0360S_2	13J	G100YR24HR	14.26	53.52	-3.965	12.88	67.82	12.17	66.70
13J0360X	13J	G002YR24HR	0.00	0.00	0.000	12.86	63.74	12.46	63.06
13J0360X	13J	G010YR24HR	0.00	0.00	0.000	12.28	65.83	12.25	64.98
13J0360X	13J	G025YR24HR	12.99	5.96	-0.973	13.05	67.23	12.20	66.02
13J0360X	13J	G100YR24HR	12.88	62.94	-2.251	12.88	67.82	12.17	66.70
13J0400S_1	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_1	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_1	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_1	13J	G100YR24HR	12.92	58.72	-2.213	12.88	73.24	12.88	67.82
13J0400S_2	13J	G002YR24HR	12.84	28.29	0.141	12.84	68.23	12.84	64.31
13J0400S_2	13J	G010YR24HR	12.84	41.46	0.141	12.84	68.86	12.84	64.84
13J0400S_2	13J	G025YR24HR	13.04	53.72	-2.227	13.05	71.77	13.05	67.23
13J0400S_2	13J	G100YR24HR	12.92	58.72	-2.213	12.88	73.24	12.88	67.82
13J0400X	13J	G002YR24HR	0.00	0.00	0.000	12.84	68.23	12.86	63.74
13J0400X	13J	G010YR24HR	0.00	0.00	0.000	12.84	68.86	12.28	65.83
13J0400X	13J	G025YR24HR	0.00	0.00	0.000	13.05	71.77	13.05	67.23
13J0400X	13J	G100YR24HR	12.88	29.85	0.007	12.88	73.24	12.88	67.82
13J0500C_1	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_1	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_1	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_1	13J	G100YR24HR	13.60	40.14	0.141	12.92	74.58	12.88	73.24
13J0500C_2	13J	G002YR24HR	12.50	22.15	0.141	12.51	71.55	12.50	69.00
13J0500C_2	13J	G010YR24HR	12.21	30.70	0.141	12.21	72.22	12.21	69.20
13J0500C_2	13J	G025YR24HR	12.17	35.20	0.141	13.09	72.88	13.05	71.77
13J0500C_2	13J	G100YR24HR	13.60	40.14	0.141	12.92	74.58	12.88	73.24
13J0500X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.36	60.44
13J0500X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.25	61.49
13J0500X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	12.21	61.66
13J0500X	13J	G100YR24HR	12.92	9.91	0.052	12.92	74.58	12.92	62.17
13J0501X	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	27.01	53.96
13J0501X	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	30.38	55.31
13J0501X	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	33.16	56.45
13J0501X	13J	G100YR24HR	12.92	5.67	0.031	12.92	74.58	12.92	73.14
13J0640	13J	G002YR24HR	15.10	40.62	0.379	15.39	73.10	12.51	71.55
13J0640	13J	G010YR24HR	12.33	49.07	0.379	13.70	73.25	12.21	72.22
13J0640	13J	G025YR24HR	12.97	63.09	32.506	13.09	73.40	13.09	72.88
13J0640	13J	G100YR24HR	12.93	236.28	-154.581	12.93	75.55	12.92	74.58
13J0680S	13J	G002YR24HR	21.18	43.47	-7.707	15.35	73.47	15.39	73.10
13J0680S	13J	G010YR24HR	13.65	46.73	-7.426	13.67	73.77	13.70	73.25
13J0680S	13J	G025YR24HR	13.28	54.65	-7.638	13.09	74.10	13.09	73.40
13J0680S	13J	G100YR24HR	14.41	54.49	-7.572	12.92	75.80	12.93	75.55
13J0700S	13J	G002YR24HR	15.19	40.34	0.136	15.28	74.25	15.35	73.47
13J0700S	13J	G010YR24HR	13.64	46.74	1.060	13.66	75.15	13.67	73.77
13J0700S	13J	G025YR24HR	12.85	54.65	1.072	13.01	76.18	13.09	74.10
13J0700S	13J	G100YR24HR	14.42	54.45	-2.296	12.91	76.56	12.92	75.80
13J0700W	13J	G002YR24HR	0.00	0.00	0.000	15.28	74.25	15.39	73.10
13J0700W	13J	G010YR24HR	0.00	0.00	0.000	13.66	75.15	13.70	73.25
13J0700W	13J	G025YR24HR	13.01	6.92	0.007	13.01	76.18	13.09	73.40

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J0700W	13J	G100YR24HR	12.91	50.72	0.025	12.91	76.56	12.93	75.55
13J0800C_1	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_1	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_1	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_1	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800C_2	13J	G002YR24HR	15.18	20.17	0.099	15.24	75.07	15.28	74.25
13J0800C_2	13J	G010YR24HR	13.30	23.22	0.099	13.64	76.22	13.66	75.15
13J0800C_2	13J	G025YR24HR	12.53	23.92	0.099	12.99	76.47	13.01	76.18
13J0800C_2	13J	G100YR24HR	17.13	23.11	0.099	12.91	76.61	12.91	76.56
13J0800X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.39	73.10
13J0800X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	13.70	73.25
13J0800X	13J	G025YR24HR	12.99	0.01	0.000	12.99	76.47	12.99	75.95
13J0800X	13J	G100YR24HR	12.91	0.47	0.000	12.91	76.61	12.91	75.99
13J0801X	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	27.01	53.96
13J0801X	13J	G010YR24HR	0.00	0.00	0.000	13.64	76.22	30.38	55.31
13J0801X	13J	G025YR24HR	12.99	0.03	0.000	12.99	76.47	12.99	69.96
13J0801X	13J	G100YR24HR	12.91	1.03	0.000	12.91	76.61	12.91	70.02
13J0900	13J	G002YR24HR	15.26	39.84	-0.071	15.24	75.26	15.24	75.07
13J0900	13J	G010YR24HR	12.95	66.11	-21.344	13.64	76.24	13.64	76.22
13J0900	13J	G025YR24HR	16.08	62.72	-20.310	12.99	76.50	12.99	76.47
13J0900	13J	G100YR24HR	12.94	79.54	-20.328	12.92	76.65	12.91	76.61
13J1000C	13J	G002YR24HR	14.99	21.47	1.628	15.17	76.22	15.24	75.26
13J1000C	13J	G010YR24HR	16.82	22.21	1.628	13.39	76.75	13.64	76.24
13J1000C	13J	G025YR24HR	18.91	22.36	1.628	12.93	76.84	12.99	76.50
13J1000C	13J	G100YR24HR	24.50	22.45	1.628	12.86	76.93	12.92	76.65
13J1000X	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.07
13J1000X	13J	G010YR24HR	0.00	0.00	0.000	13.39	76.75	13.64	76.22
13J1000X	13J	G025YR24HR	0.00	0.00	0.000	12.93	76.84	12.99	76.47
13J1000X	13J	G100YR24HR	0.00	0.00	0.000	12.86	76.93	12.91	76.61
13J1001C	13J	G002YR24HR	14.99	18.38	1.722	15.17	76.22	15.24	75.26
13J1001C	13J	G010YR24HR	16.82	19.02	1.722	13.39	76.75	13.64	76.24
13J1001C	13J	G025YR24HR	18.91	19.14	1.722	12.93	76.84	12.99	76.50
13J1001C	13J	G100YR24HR	24.50	19.22	1.722	12.86	76.93	12.92	76.65
13J1100	13J	G002YR24HR	17.59	37.87	1.579	15.18	76.23	15.17	76.22
13J1100	13J	G010YR24HR	25.50	39.40	-1.274	13.40	76.76	13.39	76.75
13J1100	13J	G025YR24HR	26.00	40.07	-1.541	12.93	76.84	12.93	76.84
13J1100	13J	G100YR24HR	13.24	41.73	1.548	12.87	76.94	12.86	76.93
13J1200C_1	13J	G002YR24HR	17.59	18.93	5.648	15.62	76.61	15.18	76.23
13J1200C_1	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_1	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_1	13J	G100YR24HR	13.24	20.85	5.649	13.11	77.41	12.87	76.94
13J1200C_2	13J	G002YR24HR	17.59	18.93	5.648	15.62	76.61	15.18	76.23
13J1200C_2	13J	G010YR24HR	25.50	19.69	5.492	13.76	77.06	13.40	76.76
13J1200C_2	13J	G025YR24HR	26.02	20.03	5.492	13.43	77.17	12.93	76.84
13J1200C_2	13J	G100YR24HR	13.24	20.85	5.649	13.11	77.41	12.87	76.94
13J1400	13J	G002YR24HR	17.79	37.28	0.145	15.68	76.65	15.62	76.61
13J1400	13J	G010YR24HR	25.52	39.24	0.145	13.88	77.08	13.76	77.06
13J1400	13J	G025YR24HR	26.50	39.98	0.145	13.48	77.19	13.43	77.17
13J1400	13J	G100YR24HR	27.06	40.71	0.282	13.12	77.42	13.11	77.41
13J1400X	13J	G002YR24HR	15.68	1.24	0.000	15.68	76.65	15.68	67.99
13J1400X	13J	G010YR24HR	13.88	18.91	0.003	13.88	77.08	13.88	68.21
13J1400X	13J	G025YR24HR	13.48	25.80	0.005	13.48	77.19	13.48	68.27
13J1400X	13J	G100YR24HR	13.12	43.36	0.008	13.12	77.42	13.12	68.40
13J1500C	13J	G002YR24HR	16.36	37.81	29.941	15.83	76.86	15.68	76.65
13J1500C	13J	G010YR24HR	14.32	49.04	29.941	14.11	77.42	13.88	77.08
13J1500C	13J	G025YR24HR	14.04	54.60	29.941	13.73	77.61	13.48	77.19
13J1500C	13J	G100YR24HR	17.80	57.98	29.941	13.03	77.84	13.12	77.42
13J1800	13J	G002YR24HR	14.66	38.23	0.039	15.66	77.15	15.83	76.86
13J1800	13J	G010YR24HR	12.37	63.52	0.039	13.89	77.73	14.11	77.42
13J1800	13J	G025YR24HR	12.31	79.05	0.039	13.37	77.92	13.73	77.61
13J1800	13J	G100YR24HR	12.50	96.19	-0.079	12.64	78.26	13.03	77.84
13J1805W	13J	G002YR24HR	0.00	0.00	0.000	15.66	77.15	27.50	65.73
13J1805W	13J	G010YR24HR	13.89	27.96	0.004	13.89	77.73	13.94	66.46
13J1805W	13J	G025YR24HR	13.37	48.07	0.009	13.37	77.92	13.26	66.67
13J1805W	13J	G100YR24HR	12.64	100.76	0.014	12.64	78.26	12.81	67.06

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J1810C_1	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_1	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_1	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_1	13J	G100YR24HR	12.53	18.70	2.359	12.53	82.18	12.53	78.96
13J1810C_2	13J	G002YR24HR	13.52	4.57	-0.011	13.53	80.12	13.52	78.44
13J1810C_2	13J	G010YR24HR	13.76	12.28	2.359	13.13	81.23	13.76	78.75
13J1810C_2	13J	G025YR24HR	13.05	17.68	2.358	13.05	82.01	13.05	78.93
13J1810C_2	13J	G100YR24HR	12.53	18.70	2.359	12.53	82.18	12.53	78.96
13J1810W	13J	G002YR24HR	0.00	0.00	0.000	13.53	80.12	15.66	77.15
13J1810W	13J	G010YR24HR	0.00	0.00	0.000	13.13	81.23	13.89	77.73
13J1810W	13J	G025YR24HR	0.00	0.00	0.000	13.05	82.01	13.37	77.92
13J1810W	13J	G100YR24HR	12.53	37.18	0.039	12.53	82.18	12.64	78.26
13J1900	13J	G002YR24HR	16.89	31.87	0.766	15.95	77.46	15.66	77.15
13J1900	13J	G010YR24HR	16.53	56.83	0.766	15.50	78.09	13.89	77.73
13J1900	13J	G025YR24HR	16.41	72.44	0.766	15.47	78.34	13.37	77.92
13J1900	13J	G100YR24HR	17.09	98.10	0.766	16.57	78.65	12.64	78.26
13J2000C	13J	G002YR24HR	16.91	31.51	0.771	16.39	77.81	15.95	77.46
13J2000C	13J	G010YR24HR	16.56	56.25	0.771	16.33	78.65	15.50	78.09
13J2000C	13J	G025YR24HR	16.47	71.71	9.863	16.47	79.30	13.45	78.70
13J2000C	13J	G100YR24HR	17.10	97.21	9.874	17.10	80.24	13.03	78.70
13J2200	13J	G002YR24HR	16.87	31.49	0.151	16.97	80.13	16.39	77.81
13J2200	13J	G010YR24HR	16.54	56.24	0.151	16.55	81.16	16.33	78.65
13J2200	13J	G025YR24HR	16.44	71.71	0.151	16.44	81.65	16.47	79.30
13J2200	13J	G100YR24HR	17.06	97.21	0.151	17.06	82.31	17.10	80.24
13J2220C	13J	G002YR24HR	14.06	18.73	-0.846	14.08	81.30	14.06	80.09
13J2220C	13J	G010YR24HR	14.06	37.15	2.480	14.08	82.77	16.55	81.16
13J2220C	13J	G025YR24HR	13.54	43.59	3.891	14.63	83.49	16.44	81.65
13J2220C	13J	G100YR24HR	12.69	44.91	2.640	15.19	84.43	17.06	82.31
13J2221D	13J	G002YR24HR	14.60	2.49	0.000	14.60	87.10	14.08	81.30
13J2221D	13J	G010YR24HR	12.86	16.33	0.003	12.86	87.46	14.08	82.77
13J2221D	13J	G025YR24HR	12.47	21.07	0.005	12.47	87.55	14.63	83.49
13J2221D	13J	G100YR24HR	12.25	25.36	0.006	12.25	87.63	15.19	84.43
13J2221W	13J	G002YR24HR	0.00	0.00	0.000	14.60	87.10	14.08	81.30
13J2221W	13J	G010YR24HR	12.86	0.50	0.000	12.86	87.46	14.08	82.77
13J2221W	13J	G025YR24HR	12.47	20.34	0.013	12.47	87.55	14.63	83.49
13J2221W	13J	G100YR24HR	12.25	47.93	0.025	12.25	87.63	15.19	84.43
13J2222D	13J	G002YR24HR	12.36	13.17	0.003	12.36	88.39	14.60	87.10
13J2222D	13J	G010YR24HR	12.24	25.56	0.004	12.24	88.64	12.86	87.46
13J2222D	13J	G025YR24HR	12.23	33.08	0.005	12.23	88.76	12.47	87.55
13J2222D	13J	G100YR24HR	12.22	45.94	0.007	12.22	88.97	12.25	87.63
13J2222W	13J	G002YR24HR	0.00	0.00	0.000	12.36	88.39	14.60	87.10
13J2222W	13J	G010YR24HR	0.00	0.00	0.000	12.24	88.64	12.86	87.46
13J2222W	13J	G025YR24HR	0.00	0.00	0.000	12.23	88.76	12.47	87.55
13J2222W	13J	G100YR24HR	0.00	0.00	0.000	12.22	88.97	12.25	87.63
13J2231S	13J	G002YR24HR	12.50	42.26	-0.801	16.59	80.18	16.97	80.13
13J2231S	13J	G010YR24HR	12.54	57.17	-0.777	13.80	81.39	16.55	81.16
13J2231S	13J	G025YR24HR	12.68	56.58	-0.827	14.05	82.00	16.44	81.65
13J2231S	13J	G100YR24HR	12.66	56.98	-3.165	14.70	82.76	17.06	82.31
13J2232S	13J	G002YR24HR	12.50	41.68	1.854	13.48	80.48	16.59	80.18
13J2232S	13J	G010YR24HR	12.54	56.24	1.857	13.19	82.30	13.80	81.39
13J2232S	13J	G025YR24HR	12.79	55.82	1.881	13.42	82.94	14.05	82.00
13J2232S	13J	G100YR24HR	12.86	55.95	3.548	13.83	83.71	14.70	82.76
13J2232W	13J	G002YR24HR	0.00	0.00	0.000	13.48	80.48	16.97	80.13
13J2232W	13J	G010YR24HR	13.19	22.41	0.008	13.19	82.30	16.55	81.16
13J2232W	13J	G025YR24HR	13.42	32.20	0.008	13.42	82.94	16.44	81.65
13J2232W	13J	G100YR24HR	13.42	40.54	-2.254	13.83	83.71	17.06	82.31
13J2233D	13J	G002YR24HR	13.08	10.41	-0.001	13.52	81.94	13.48	80.48
13J2233D	13J	G010YR24HR	11.99	8.54	-0.003	13.20	82.33	13.19	82.30
13J2233D	13J	G025YR24HR	11.83	8.75	-0.003	13.42	82.96	13.42	82.94
13J2233D	13J	G100YR24HR	11.50	9.13	0.068	13.84	83.73	13.83	83.71
13J2233W	13J	G002YR24HR	13.52	8.06	0.002	13.52	81.94	13.48	80.48
13J2233W	13J	G010YR24HR	13.49	42.64	0.013	13.20	82.33	13.19	82.30
13J2233W	13J	G025YR24HR	13.92	52.40	0.005	13.42	82.96	13.42	82.94
13J2233W	13J	G100YR24HR	14.77	60.09	-1.464	13.84	83.73	13.83	83.71
13J2234W	13J	G002YR24HR	14.05	4.19	0.000	14.05	82.85	13.52	81.94
13J2234W	13J	G010YR24HR	13.25	13.01	0.002	13.25	83.29	13.20	82.33

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13J2234W	13J	G025YR24HR	13.00	17.22	-0.007	13.26	83.56	13.42	82.96
13J2234W	13J	G100YR24HR	12.84	21.84	-0.007	13.55	84.01	13.84	83.73
13K0200S_1	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_1	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_1	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_1	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0200S_2	13K	G002YR24HR	12.22	40.25	0.114	12.22	58.04	12.22	55.04
13K0200S_2	13K	G010YR24HR	12.10	45.15	0.114	12.10	58.36	12.10	55.14
13K0200S_2	13K	G025YR24HR	12.09	46.52	0.114	12.09	58.46	12.09	55.16
13K0200S_2	13K	G100YR24HR	12.09	48.58	0.114	12.09	58.61	12.09	55.20
13K0300S	13K	G002YR24HR	12.32	37.64	0.016	12.26	60.27	12.22	58.04
13K0300S	13K	G010YR24HR	12.60	40.34	0.011	12.15	60.85	12.10	58.36
13K0300S	13K	G025YR24HR	15.95	41.59	0.008	12.10	60.90	12.09	58.46
13K0300S	13K	G100YR24HR	13.84	43.14	0.006	13.74	61.21	12.09	58.61
13K0301S	13K	G002YR24HR	12.31	36.75	0.015	12.26	60.27	12.22	58.04
13K0301S	13K	G010YR24HR	12.60	39.41	0.012	12.15	60.85	12.10	58.36
13K0301S	13K	G025YR24HR	15.95	40.62	0.007	12.10	60.90	12.09	58.46
13K0301S	13K	G100YR24HR	13.84	42.14	0.006	13.74	61.21	12.09	58.61
13K0500S	13K	G002YR24HR	12.54	72.63	-22.392	12.24	61.08	12.26	60.27
13K0500S	13K	G010YR24HR	12.21	74.96	-4.910	12.20	61.87	12.15	60.85
13K0500S	13K	G025YR24HR	15.80	88.28	3.213	15.89	62.30	12.10	60.90
13K0500S	13K	G100YR24HR	12.42	96.52	3.350	13.64	62.76	13.74	61.21
13K0600S	13K	G002YR24HR	12.09	62.59	4.970	12.24	61.68	12.24	61.08
13K0600S	13K	G010YR24HR	14.54	72.25	-11.580	12.61	63.02	12.20	61.87
13K0600S	13K	G025YR24HR	15.96	87.27	-11.655	15.92	64.46	15.89	62.30
13K0600S	13K	G100YR24HR	13.92	89.31	-11.706	13.75	65.02	13.64	62.76
13K0700S	13K	G002YR24HR	12.09	62.88	10.249	12.23	62.69	12.24	61.68
13K0700S	13K	G010YR24HR	13.52	72.14	10.248	12.80	64.37	12.61	63.02
13K0700S	13K	G025YR24HR	19.61	76.54	10.248	15.88	65.25	15.92	64.46
13K0700S	13K	G100YR24HR	22.31	76.55	10.248	13.72	65.73	13.75	65.02
13K0800S	13K	G002YR24HR	13.34	34.09	-1.848	12.76	63.23	12.23	62.69
13K0800S	13K	G010YR24HR	24.64	34.60	-2.089	12.82	64.41	12.80	64.37
13K0800S	13K	G025YR24HR	26.55	35.94	-2.531	15.88	65.27	15.88	65.25
13K0800S	13K	G100YR24HR	28.80	36.10	-2.287	13.72	65.77	13.72	65.73
13K0830W	13K	G002YR24HR	15.04	2.22	-0.307	12.85	63.37	12.76	63.23
13K0830W	13K	G010YR24HR	27.61	2.21	-0.101	12.81	64.40	12.82	64.41
13K0830W	13K	G025YR24HR	30.53	2.21	-0.212	15.88	65.26	15.88	65.27
13K0830W	13K	G100YR24HR	32.77	2.21	0.154	13.72	65.76	13.72	65.77
13K0831W	13K	G002YR24HR	13.10	19.13	0.006	12.85	63.37	12.76	63.23
13K0831W	13K	G010YR24HR	23.00	22.10	0.021	12.81	64.40	12.82	64.41
13K0831W	13K	G025YR24HR	26.55	23.60	0.008	15.88	65.26	15.88	65.27
13K0831W	13K	G100YR24HR	28.80	23.71	-0.032	13.72	65.76	13.72	65.77
13K0840S	13K	G002YR24HR	19.07	20.66	0.221	12.84	63.42	12.76	63.23
13K0840S	13K	G010YR24HR	29.46	20.65	0.221	12.87	64.51	12.82	64.41
13K0840S	13K	G025YR24HR	32.15	20.64	0.221	15.88	65.43	15.88	65.27
13K0840S	13K	G100YR24HR	34.44	20.64	0.221	13.73	65.91	13.72	65.77
13K0870W	13K	G002YR24HR	11.78	0.88	-0.301	12.85	63.37	12.84	63.42
13K0870W	13K	G010YR24HR	11.60	1.12	-0.304	12.81	64.40	12.87	64.51
13K0870W	13K	G025YR24HR	11.18	1.16	-0.303	15.88	65.26	15.88	65.43
13K0870W	13K	G100YR24HR	10.16	1.20	0.311	13.72	65.76	13.73	65.91
13K0871W	13K	G002YR24HR	24.83	0.64	-0.008	12.85	63.37	12.84	63.42
13K0871W	13K	G010YR24HR	32.22	0.68	-0.011	12.81	64.40	12.87	64.51
13K0871W	13K	G025YR24HR	34.52	0.71	-0.009	15.88	65.26	15.88	65.43
13K0871W	13K	G100YR24HR	10.86	0.67	-0.008	13.72	65.76	13.73	65.91
13K1000S	13K	G002YR24HR	13.34	26.60	0.426	12.93	64.34	12.84	63.42
13K1000S	13K	G010YR24HR	14.32	34.37	0.426	13.45	65.90	12.87	64.51
13K1000S	13K	G025YR24HR	22.31	37.21	0.426	15.73	67.20	15.88	65.43
13K1000S	13K	G100YR24HR	25.09	37.27	0.426	13.60	67.52	13.73	65.91
13K1125D	13K	G002YR24HR	13.27	6.05	-0.603	12.95	64.69	12.93	64.34
13K1125D	13K	G010YR24HR	14.26	7.85	0.582	13.70	66.47	13.45	65.90
13K1125D	13K	G025YR24HR	14.82	8.49	-0.601	15.56	67.87	15.73	67.20
13K1125D	13K	G100YR24HR	21.48	8.46	-0.601	13.33	68.13	13.60	67.52
13K1175W	13K	G002YR24HR	12.24	20.10	0.447	12.94	64.69	12.95	64.69
13K1175W	13K	G010YR24HR	12.17	38.29	-0.119	13.69	66.48	13.70	66.47
13K1175W	13K	G025YR24HR	12.19	50.91	1.507	15.54	67.87	15.56	67.87
13K1175W	13K	G100YR24HR	12.28	75.77	1.817	13.33	68.13	13.33	68.13

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K1200S	13K	G002YR24HR	13.03	20.31	2.065	12.94	64.69	12.93	64.34
13K1200S	13K	G010YR24HR	14.23	26.39	2.065	13.69	66.48	13.45	65.90
13K1200S	13K	G025YR24HR	14.75	28.67	2.065	15.54	67.87	15.73	67.20
13K1200S	13K	G100YR24HR	12.63	28.65	2.065	13.33	68.13	13.60	67.52
13K1500	13K	G002YR24HR	12.25	23.20	0.041	12.25	73.73	12.25	65.94
13K1500	13K	G010YR24HR	12.15	39.00	-1.142	12.15	74.31	13.69	66.48
13K1500	13K	G025YR24HR	12.14	46.97	-0.876	12.14	74.57	15.54	67.87
13K1500	13K	G100YR24HR	13.59	78.06	-1.460	12.12	74.94	13.33	68.13
13K1600	13K	G002YR24HR	18.53	19.46	0.299	18.50	74.62	12.25	73.73
13K1600	13K	G010YR24HR	17.04	25.31	0.299	16.00	74.97	12.15	74.31
13K1600	13K	G025YR24HR	14.63	27.52	0.299	12.16	75.10	12.14	74.57
13K1600	13K	G100YR24HR	12.34	33.20	0.299	12.14	75.39	12.12	74.94
13K1700W	13K	G002YR24HR	18.79	18.80	2.486	18.51	74.72	18.50	74.62
13K1700W	13K	G010YR24HR	18.00	24.08	2.486	16.01	75.07	16.00	74.97
13K1700W	13K	G025YR24HR	15.17	24.87	2.486	14.67	75.13	12.16	75.10
13K1700W	13K	G100YR24HR	13.92	27.52	2.486	13.60	75.46	12.14	75.39
13K1710W	13K	G002YR24HR	0.00	0.00	0.000	18.51	74.72	12.25	73.73
13K1710W	13K	G010YR24HR	0.00	0.00	0.000	16.01	75.07	12.15	74.31
13K1710W	13K	G025YR24HR	0.00	0.00	0.000	14.67	75.13	12.14	74.57
13K1710W	13K	G100YR24HR	0.00	0.00	0.000	13.60	75.46	12.12	74.94
13K1720X	13K	G002YR24HR	18.51	0.11	0.000	18.51	74.72	18.51	66.96
13K1720X	13K	G010YR24HR	16.01	16.56	-3.623	16.01	75.07	16.01	67.20
13K1720X	13K	G025YR24HR	14.67	21.28	3.621	14.67	75.13	14.67	67.24
13K1720X	13K	G100YR24HR	13.60	50.31	3.623	13.60	75.46	13.60	67.44
13K1800D	13K	G002YR24HR	18.19	18.89	0.136	18.25	75.48	18.51	74.72
13K1800D	13K	G010YR24HR	16.60	38.77	-1.570	16.24	76.23	16.01	75.07
13K1800D	13K	G025YR24HR	14.82	44.31	-1.569	14.76	76.51	14.67	75.13
13K1800D	13K	G100YR24HR	13.45	46.03	-1.570	13.59	76.86	13.60	75.46
13K2000	13K	G002YR24HR	20.17	4.15	1.701	20.17	79.09	20.17	78.64
13K2000	13K	G010YR24HR	20.23	6.54	1.701	20.23	79.38	20.23	78.76
13K2000	13K	G025YR24HR	20.22	8.24	1.701	20.22	79.53	20.22	78.84
13K2000	13K	G100YR24HR	20.31	10.80	1.701	20.31	79.73	20.31	78.95
13K2100C	13K	G002YR24HR	20.09	4.15	1.888	20.15	79.21	20.17	79.09
13K2100C	13K	G010YR24HR	20.14	6.54	1.888	20.18	79.70	20.23	79.38
13K2100C	13K	G025YR24HR	20.14	8.24	1.888	20.17	80.04	20.22	79.53
13K2100C	13K	G100YR24HR	20.23	10.80	1.888	20.25	80.60	20.31	79.73
13K2220W	13K	G002YR24HR	12.41	14.19	0.004	12.41	80.33	20.15	79.21
13K2220W	13K	G010YR24HR	12.23	31.00	0.005	12.23	80.59	20.18	79.70
13K2220W	13K	G025YR24HR	12.21	40.50	0.006	12.21	80.72	20.17	80.04
13K2220W	13K	G100YR24HR	12.19	56.64	-0.031	12.19	80.91	20.25	80.60
13K3000W	13K	G002YR24HR	12.57	23.12	0.003	12.57	78.23	18.25	75.48
13K3000W	13K	G010YR24HR	12.99	62.21	0.006	12.99	78.44	16.24	76.23
13K3000W	13K	G025YR24HR	12.70	90.26	0.011	12.70	78.54	14.76	76.51
13K3000W	13K	G100YR24HR	12.46	137.93	0.019	12.46	78.68	13.59	76.86
13K3100W	13K	G002YR24HR	12.56	32.01	0.004	12.56	80.87	12.57	78.23
13K3100W	13K	G010YR24HR	12.53	51.78	0.006	12.53	81.38	12.99	78.44
13K3100W	13K	G025YR24HR	12.52	65.71	0.007	12.52	81.69	12.70	78.54
13K3100W	13K	G100YR24HR	12.42	82.24	0.010	12.42	82.02	12.46	78.68
13K3101W	13K	G002YR24HR	0.00	0.00	0.000	12.56	80.87	12.57	78.23
13K3101W	13K	G010YR24HR	0.00	0.00	0.000	12.53	81.38	12.99	78.44
13K3101W	13K	G025YR24HR	0.00	0.00	0.000	12.52	81.69	12.70	78.54
13K3101W	13K	G100YR24HR	12.42	11.45	0.016	12.42	82.02	12.46	78.68
13K4000W	13K	G002YR24HR	14.37	1.11	0.000	14.37	78.23	18.25	75.48
13K4000W	13K	G010YR24HR	13.01	28.15	0.005	13.01	78.44	16.24	76.23
13K4000W	13K	G025YR24HR	12.71	59.12	0.010	12.71	78.54	14.76	76.51
13K4000W	13K	G100YR24HR	12.46	125.19	0.023	12.46	78.68	13.59	76.86
13K4025W	13K	G002YR24HR	15.06	10.16	0.034	14.37	78.23	12.57	78.23
13K4025W	13K	G010YR24HR	14.63	21.49	0.143	13.01	78.44	12.99	78.44
13K4025W	13K	G025YR24HR	15.48	23.64	0.306	12.71	78.54	12.70	78.54
13K4025W	13K	G100YR24HR	15.90	25.67	0.376	12.46	78.68	12.46	78.68
13K4100C_1	13K	G002YR24HR	12.18	12.09	0.087	12.20	80.56	14.37	78.23
13K4100C_1	13K	G010YR24HR	12.94	12.60	0.087	12.97	81.70	13.01	78.44
13K4100C_1	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_1	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4100C_2	13K	G002YR24HR	12.18	12.09	0.087	12.20	80.56	14.37	78.23

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13K4100C_2	13K	G010YR24HR	12.94	12.60	0.087	12.97	81.70	13.01	78.44
13K4100C_2	13K	G025YR24HR	13.24	13.65	0.087	13.08	82.32	12.71	78.54
13K4100C_2	13K	G100YR24HR	13.60	14.79	0.169	13.23	83.01	12.46	78.68
13K4300C	13K	G002YR24HR	12.71	7.72	-0.402	12.72	81.20	12.20	80.56
13K4300C	13K	G010YR24HR	14.63	9.78	0.215	12.60	82.46	12.97	81.70
13K4300C	13K	G025YR24HR	16.18	9.50	0.238	12.35	82.63	13.08	82.32
13K4300C	13K	G100YR24HR	18.89	9.40	-0.548	13.22	83.02	13.23	83.01
13K4325W	13K	G002YR24HR	0.00	0.00	0.000	12.72	81.20	12.20	80.56
13K4325W	13K	G010YR24HR	12.60	8.87	0.004	12.60	82.46	12.97	81.70
13K4325W	13K	G025YR24HR	12.35	27.04	0.015	12.35	82.63	13.08	82.32
13K4325W	13K	G100YR24HR	12.17	55.06	0.036	13.22	83.02	13.23	83.01
13L0010S	13L	G002YR24HR	12.10	9.09	0.003	12.10	53.44	12.10	52.36
13L0010S	13L	G010YR24HR	12.08	11.89	-0.012	12.08	54.08	31.64	52.72
13L0010S	13L	G025YR24HR	12.08	12.17	-0.012	12.08	54.15	30.19	53.25
13L0010S	13L	G100YR24HR	13.93	14.54	0.182	14.34	54.50	26.27	53.93
13L0030S	13L	G002YR24HR	4.04	2.95	-2.949	24.30	53.05	12.10	53.44
13L0030S	13L	G010YR24HR	23.19	3.41	-2.949	24.28	53.82	12.08	54.08
13L0030S	13L	G025YR24HR	59.72	2.99	-2.949	18.72	54.13	12.08	54.15
13L0030S	13L	G100YR24HR	1.70	18.64	-18.645	14.33	54.57	14.34	54.50
13L0031W	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	24.30	53.05
13L0031W	13L	G010YR24HR	12.08	5.26	0.014	12.08	54.08	24.28	53.82
13L0031W	13L	G025YR24HR	12.08	10.18	0.014	12.08	54.15	18.72	54.13
13L0031W	13L	G100YR24HR	12.08	18.26	0.019	14.34	54.50	14.33	54.57
13L0200	13L	G002YR24HR	26.43	78.55	0.297	30.98	51.85	33.77	51.65
13L0200	13L	G010YR24HR	24.42	154.38	0.297	29.34	52.98	31.64	52.72
13L0200	13L	G025YR24HR	26.87	194.01	0.442	29.11	53.54	30.19	53.25
13L0200	13L	G100YR24HR	28.44	285.45	0.453	27.62	54.26	26.27	53.93
13L0300C_1	13L	G002YR24HR	26.43	28.25	-0.564	30.72	51.87	30.98	51.85
13L0300C_1	13L	G010YR24HR	25.49	56.36	-0.835	29.08	53.01	29.34	52.98
13L0300C_1	13L	G025YR24HR	42.86	81.79	26.100	28.54	53.74	29.11	53.54
13L0300C_1	13L	G100YR24HR	28.43	97.60	25.446	28.01	54.72	27.62	54.26
13L0300C_2	13L	G002YR24HR	26.43	28.25	-0.564	30.72	51.87	30.98	51.85
13L0300C_2	13L	G010YR24HR	25.49	56.36	-0.835	29.08	53.01	29.34	52.98
13L0300C_2	13L	G025YR24HR	42.86	81.79	26.100	28.54	53.74	29.11	53.54
13L0300C_2	13L	G100YR24HR	28.43	97.60	25.446	28.01	54.72	27.62	54.26
13L0301C	13L	G002YR24HR	26.29	22.09	-0.456	30.72	51.87	30.98	51.85
13L0301C	13L	G010YR24HR	25.48	43.40	-2.691	29.08	53.01	29.34	52.98
13L0301C	13L	G025YR24HR	26.85	61.34	-16.797	28.54	53.74	29.11	53.54
13L0301C	13L	G100YR24HR	28.43	90.23	15.791	28.01	54.72	27.62	54.26
13L0800	13L	G002YR24HR	28.56	69.42	-3.326	30.68	51.88	30.72	51.87
13L0800	13L	G010YR24HR	25.00	131.81	-4.201	29.04	53.02	29.08	53.01
13L0800	13L	G025YR24HR	26.68	166.57	-4.777	28.52	53.75	28.54	53.74
13L0800	13L	G100YR24HR	27.95	253.49	-6.197	28.01	54.73	28.01	54.72
13L0810W	13L	G002YR24HR	12.39	33.90	1.485	30.69	51.88	30.68	51.88
13L0810W	13L	G010YR24HR	12.33	59.70	-1.906	29.04	53.02	29.04	53.02
13L0810W	13L	G025YR24HR	12.31	77.50	-3.538	28.52	53.75	28.52	53.75
13L0810W	13L	G100YR24HR	12.25	104.20	-6.347	28.01	54.73	28.01	54.73
13L0900B	13L	G002YR24HR	26.18	72.72	-0.005	29.35	52.06	30.68	51.88
13L0900B	13L	G010YR24HR	23.14	143.03	-0.008	27.15	53.25	29.04	53.02
13L0900B	13L	G025YR24HR	21.45	187.62	-0.009	27.32	54.00	28.52	53.75
13L0900B	13L	G100YR24HR	25.41	259.97	-0.012	27.26	55.07	28.01	54.73
13L101PS	13L	G002YR24HR	12.21	4.90	4.900	14.70	54.65	29.35	52.06
13L101PS	13L	G010YR24HR	11.52	4.90	4.900	13.06	54.93	27.15	53.25
13L101PS	13L	G025YR24HR	10.60	4.90	4.900	12.80	55.03	27.32	54.00
13L101PS	13L	G100YR24HR	9.12	4.90	4.900	12.60	55.17	27.26	55.07
13L1200	13L	G002YR24HR	16.48	86.98	-0.503	29.21	52.06	29.35	52.06
13L1200	13L	G010YR24HR	15.93	189.17	-0.503	27.13	53.25	27.15	53.25
13L1200	13L	G025YR24HR	14.43	216.29	-0.503	27.31	54.00	27.32	54.00
13L1200	13L	G100YR24HR	16.83	261.07	-0.503	27.26	55.07	27.26	55.07
13L1200W	13L	G002YR24HR	0.00	0.00	0.000	29.21	52.06	29.35	52.06
13L1200W	13L	G010YR24HR	19.91	32.31	0.003	27.13	53.25	27.15	53.25
13L1200W	13L	G025YR24HR	17.13	47.61	0.005	27.31	54.00	27.32	54.00
13L1200W	13L	G100YR24HR	14.66	63.20	0.006	27.26	55.07	27.26	55.07
13L1202W	GEE	G002YR24HR	12.65	8.37	-0.003	12.88	60.54	12.88	60.50
13L1202W	GEE	G010YR24HR	12.09	9.43	-0.025	13.61	61.60	13.61	61.60
13L1202W	GEE	G025YR24HR	11.88	9.08	-0.014	13.98	62.26	13.97	62.26

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L1202W	GEE	G100YR24HR	11.68	8.57	-0.006	14.45	63.27	14.45	63.26
13L1203C	GEE	G002YR24HR	12.75	8.82	0.003	12.88	60.50	64.23	51.49
13L1203C	GEE	G010YR24HR	12.93	9.05	-0.005	13.61	61.60	16.75	52.45
13L1203C	GEE	G025YR24HR	12.99	9.14	-0.005	13.97	62.26	19.69	53.52
13L1203C	GEE	G100YR24HR	13.18	9.21	-0.006	14.45	63.26	25.46	55.05
13L1400	13L	G002YR24HR	15.14	118.67	0.135	24.55	52.18	29.21	52.06
13L1400	13L	G010YR24HR	15.62	245.64	0.135	24.96	53.31	27.13	53.25
13L1400	13L	G025YR24HR	15.11	321.67	0.135	25.73	54.05	27.31	54.00
13L1400	13L	G100YR24HR	14.17	448.38	5.979	26.25	55.12	27.26	55.07
13L1500B	13L	G002YR24HR	15.12	118.81	0.004	16.30	52.41	24.55	52.18
13L1500B	13L	G010YR24HR	15.61	245.85	0.008	16.90	53.62	24.96	53.31
13L1500B	13L	G025YR24HR	15.11	321.90	0.017	24.22	54.26	25.73	54.05
13L1500B	13L	G100YR24HR	14.17	448.80	0.044	24.51	55.36	26.25	55.12
13L1700	13L	G002YR24HR	15.11	118.87	-0.201	15.72	52.58	16.30	52.41
13L1700	13L	G010YR24HR	15.60	245.92	-0.201	16.51	53.76	16.90	53.62
13L1700	13L	G025YR24HR	15.10	321.97	-0.201	24.05	54.30	24.22	54.26
13L1700	13L	G100YR24HR	14.16	448.93	-0.201	24.41	55.39	24.51	55.36
13L1800D	13L	G002YR24HR	12.72	200.36	0.031	12.72	54.48	15.72	52.58
13L1800D	13L	G010YR24HR	13.10	318.16	27.239	13.10	55.25	16.51	53.76
13L1800D	13L	G025YR24HR	12.53	367.26	35.559	13.88	55.69	24.05	54.30
13L1800D	13L	G100YR24HR	12.75	473.52	34.792	13.73	56.94	24.41	55.39
13L1850B	13L	G002YR24HR	12.56	152.95	0.018	12.66	54.90	12.72	54.48
13L1850B	13L	G010YR24HR	13.14	227.61	0.202	13.10	55.84	13.10	55.25
13L1850B	13L	G025YR24HR	16.29	265.69	-59.060	13.85	56.28	13.88	55.69
13L1850B	13L	G100YR24HR	12.08	260.47	-61.809	13.74	57.03	13.73	56.94
13L1890C	13L	G002YR24HR	16.32	30.83	-0.246	16.32	55.79	12.66	54.90
13L1890C	13L	G010YR24HR	19.34	37.64	2.386	15.70	56.57	13.10	55.84
13L1890C	13L	G025YR24HR	24.72	35.78	1.454	15.11	56.97	13.85	56.28
13L1890C	13L	G100YR24HR	36.25	26.04	-0.307	15.09	57.94	13.74	57.03
13L1890D	13L	G002YR24HR	13.13	53.94	-0.828	12.89	55.07	12.72	54.48
13L1890D	13L	G010YR24HR	12.76	84.00	2.470	12.82	56.76	13.10	55.25
13L1890D	13L	G025YR24HR	12.32	85.67	2.049	12.48	57.10	13.88	55.69
13L1890D	13L	G100YR24HR	12.16	87.58	1.987	12.27	57.33	13.73	56.94
13L1890W_1	13L	G002YR24HR	0.00	0.00	0.000	12.89	55.07	15.72	52.58
13L1890W_1	13L	G010YR24HR	12.82	13.48	0.007	12.82	56.76	16.51	53.76
13L1890W_1	13L	G025YR24HR	12.48	119.26	0.065	12.48	57.10	24.05	54.30
13L1890W_1	13L	G100YR24HR	12.27	253.13	0.168	12.27	57.33	24.41	55.39
13L1890W_2	13L	G002YR24HR	0.00	0.00	0.000	12.89	55.07	12.72	54.48
13L1890W_2	13L	G010YR24HR	0.00	0.00	0.000	12.82	56.76	13.10	55.25
13L1890W_2	13L	G025YR24HR	12.48	8.78	0.009	12.48	57.10	13.88	55.69
13L1890W_2	13L	G100YR24HR	12.27	52.05	0.047	12.27	57.33	13.73	56.94
13L1900D	13L	G002YR24HR	16.31	49.42	0.006	16.31	55.80	12.66	54.90
13L1900D	13L	G010YR24HR	15.91	162.22	0.031	15.70	56.57	13.10	55.84
13L1900D	13L	G025YR24HR	15.58	209.73	0.041	15.11	56.98	13.85	56.28
13L1900D	13L	G100YR24HR	15.61	288.90	-13.208	15.09	57.94	13.74	57.03
13L1925W	13L	G002YR24HR	13.55	49.77	-0.020	16.31	55.80	16.32	55.79
13L1925W	13L	G010YR24HR	19.67	34.50	0.133	15.70	56.57	15.70	56.57
13L1925W	13L	G025YR24HR	24.73	33.13	0.304	15.11	56.98	15.11	56.97
13L1925W	13L	G100YR24HR	11.65	54.91	1.135	15.09	57.94	15.09	57.94
13L1945W	13L	G002YR24HR	0.00	0.00	0.000	16.31	55.80	12.66	54.90
13L1945W	13L	G010YR24HR	0.00	0.00	0.000	15.70	56.57	13.10	55.84
13L1945W	13L	G025YR24HR	0.00	0.00	0.000	15.11	56.98	13.85	56.28
13L1945W	13L	G100YR24HR	0.00	0.00	0.000	15.09	57.94	13.74	57.03
13L1960B	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1960B	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1960B	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1960B	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L1965W	13L	G002YR24HR	24.83	1.66	0.011	19.85	55.74	16.31	55.80
13L1965W	13L	G010YR24HR	16.24	24.29	0.193	15.72	56.58	15.70	56.57
13L1965W	13L	G025YR24HR	14.25	39.05	0.373	15.11	56.98	15.11	56.98
13L1965W	13L	G100YR24HR	14.25	162.02	0.817	15.08	57.95	15.09	57.94
13L1975W	13L	G002YR24HR	0.00	0.00	-0.001	19.85	55.74	13.32	56.44
13L1975W	13L	G010YR24HR	0.00	0.00	-0.003	15.72	56.58	13.42	56.77
13L1975W	13L	G025YR24HR	0.00	0.00	-0.003	15.11	56.98	15.04	57.12
13L1975W	13L	G100YR24HR	0.00	0.00	-0.004	15.08	57.95	15.07	58.00

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2000B	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2000B	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2000B	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2000B	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
13L2050W	13L	G002YR24HR	13.01	96.17	0.007	13.04	57.27	13.12	56.91
13L2050W	13L	G010YR24HR	13.77	149.67	0.012	13.30	58.07	13.27	57.88
13L2050W	13L	G025YR24HR	13.35	172.22	-0.011	13.12	58.41	13.06	58.23
13L2050W	13L	G100YR24HR	13.92	251.55	0.022	13.97	58.86	14.01	58.62
13L2100S	13L	G002YR24HR	12.49	92.73	0.174	12.49	60.60	12.49	57.44
13L2100S	13L	G010YR24HR	12.62	144.25	0.177	12.62	62.52	12.62	58.12
13L2100S	13L	G025YR24HR	12.54	151.89	0.179	12.54	62.87	12.54	58.23
13L2100S	13L	G100YR24HR	13.81	239.81	0.166	13.81	68.29	13.29	59.78
13L2200D	13L	G002YR24HR	12.49	92.73	0.011	12.49	65.03	12.49	60.60
13L2200D	13L	G010YR24HR	12.62	144.25	0.019	12.62	66.12	12.62	62.52
13L2200D	13L	G025YR24HR	12.54	151.89	0.022	12.54	66.87	12.54	62.87
13L2200D	13L	G100YR24HR	12.24	156.89	0.021	13.81	68.71	13.81	68.29
13L2300W	13L	G002YR24HR	0.00	0.00	0.000	12.49	65.03	12.49	60.60
13L2300W	13L	G010YR24HR	0.00	0.00	0.000	12.62	66.12	12.62	62.52
13L2300W	13L	G025YR24HR	0.00	0.00	0.000	12.54	66.87	12.54	62.87
13L2300W	13L	G100YR24HR	13.81	190.84	0.021	13.81	68.71	13.81	68.29
13L2350S	13L	G002YR24HR	12.56	84.96	-1.982	12.57	67.05	0.40	66.25
13L2350S	13L	G010YR24HR	12.43	135.39	-1.981	12.43	68.84	0.40	66.25
13L2350S	13L	G025YR24HR	12.19	153.51	-1.971	12.35	70.09	12.54	66.87
13L2350S	13L	G100YR24HR	12.01	164.67	-1.966	13.53	72.85	13.81	68.71
13L2400W	13L	G002YR24HR	0.00	0.00	0.000	12.57	67.05	12.49	65.03
13L2400W	13L	G010YR24HR	0.00	0.00	0.000	12.43	68.84	12.62	66.12
13L2400W	13L	G025YR24HR	0.00	0.00	0.000	12.35	70.09	12.54	66.87
13L2400W	13L	G100YR24HR	13.53	88.18	0.014	13.53	72.85	13.81	68.71
13L2450D	13L	G002YR24HR	12.94	71.57	-0.006	12.94	70.81	12.57	67.05
13L2450D	13L	G010YR24HR	13.78	117.27	0.009	13.54	71.74	12.43	68.84
13L2450D	13L	G025YR24HR	14.28	129.07	-0.012	13.88	72.95	12.35	70.09
13L2450D	13L	G100YR24HR	18.31	135.28	-0.031	13.42	74.40	13.53	72.85
13L2451W	13L	G002YR24HR	0.00	0.00	0.000	12.94	70.81	12.57	67.05
13L2451W	13L	G010YR24HR	0.00	0.00	0.000	13.54	71.74	12.43	68.84
13L2451W	13L	G025YR24HR	0.00	0.00	0.000	13.88	72.95	12.35	70.09
13L2451W	13L	G100YR24HR	13.42	152.39	0.023	13.42	74.40	13.53	72.85
13L2510W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	12.94	70.81
13L2510W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.54	71.74
13L2510W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	13.88	72.95
13L2510W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.42	74.40
13L2511W	13L	G002YR24HR	0.00	0.00	0.000	12.17	75.55	12.94	70.81
13L2511W	13L	G010YR24HR	0.00	0.00	0.000	12.17	75.72	13.54	71.74
13L2511W	13L	G025YR24HR	0.00	0.00	0.000	12.17	75.83	13.88	72.95
13L2511W	13L	G100YR24HR	0.00	0.00	0.000	12.11	76.01	13.42	74.40
13L2520W	13L	G002YR24HR	12.17	21.49	0.004	12.17	75.55	12.57	67.05
13L2520W	13L	G010YR24HR	12.17	42.51	0.007	12.17	75.72	12.43	68.84
13L2520W	13L	G025YR24HR	12.17	57.91	0.009	12.17	75.83	12.35	70.09
13L2520W	13L	G100YR24HR	12.11	85.52	0.013	12.11	76.01	13.53	72.85
13L2530D	13L	G002YR24HR	12.33	7.06	0.001	12.33	73.22	12.94	70.81
13L2530D	13L	G010YR24HR	12.28	11.77	0.002	12.30	73.96	13.54	71.74
13L2530D	13L	G025YR24HR	12.20	16.89	0.005	12.21	74.26	13.88	72.95
13L2530D	13L	G100YR24HR	12.11	21.96	0.007	12.33	74.92	13.42	74.40
13L2531W	13L	G002YR24HR	0.00	0.00	0.000	12.33	73.22	12.94	70.81
13L2531W	13L	G010YR24HR	0.00	0.00	0.000	12.30	73.96	13.54	71.74
13L2531W	13L	G025YR24HR	0.00	0.00	0.000	12.21	74.26	13.88	72.95
13L2531W	13L	G100YR24HR	0.00	0.00	0.000	12.33	74.92	13.42	74.40
13L2550D	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.94	70.81
13L2550D	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	13.54	71.74
13L2550D	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	13.88	72.95
13L2550D	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	13.42	74.40
13L2560W1	13L	G002YR24HR	12.18	26.54	0.005	12.18	82.32	12.94	70.81
13L2560W1	13L	G010YR24HR	12.17	44.82	0.007	12.17	82.41	13.54	71.74
13L2560W1	13L	G025YR24HR	12.16	57.64	0.009	12.16	82.47	13.88	72.95
13L2560W1	13L	G100YR24HR	12.15	80.09	0.012	12.15	82.56	13.42	74.40
13L2560W2	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.33	73.22
13L2560W2	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.30	73.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13L2560W2	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.21	74.26
13L2560W2	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.33	74.92
13L2560W3	13L	G002YR24HR	0.00	0.00	0.000	12.18	82.32	12.17	75.55
13L2560W3	13L	G010YR24HR	0.00	0.00	0.000	12.17	82.41	12.17	75.72
13L2560W3	13L	G025YR24HR	0.00	0.00	0.000	12.16	82.47	12.17	75.83
13L2560W3	13L	G100YR24HR	0.00	0.00	0.000	12.15	82.56	12.11	76.01
13L2600C	13L	G002YR24HR	12.49	39.92	12.814	15.96	71.18	12.94	70.81
13L2600C	13L	G010YR24HR	12.94	85.79	-12.641	12.95	72.43	12.18	70.86
13L2600C	13L	G025YR24HR	12.56	119.72	17.801	12.92	73.86	13.88	72.95
13L2600C	13L	G100YR24HR	12.18	137.21	17.038	12.99	74.62	13.42	74.40
13L2601C	13L	G002YR24HR	15.91	18.23	3.009	15.96	71.18	12.94	70.81
13L2601C	13L	G010YR24HR	12.12	23.67	5.132	12.95	72.43	13.54	71.74
13L2601C	13L	G025YR24HR	12.56	32.37	5.271	12.92	73.86	13.88	72.95
13L2601C	13L	G100YR24HR	12.18	37.10	5.084	12.99	74.62	13.42	74.40
13L2710D	13L	G002YR24HR	12.71	2.98	0.001	12.80	73.64	15.96	71.18
13L2710D	13L	G010YR24HR	12.44	3.02	0.001	13.14	74.65	12.95	72.43
13L2710D	13L	G025YR24HR	18.46	2.92	0.001	13.69	75.39	12.92	73.86
13L2710D	13L	G100YR24HR	23.58	2.88	-0.001	12.82	76.15	12.99	74.62
13L2711W	13L	G002YR24HR	0.00	0.00	0.000	12.80	73.64	15.96	71.18
13L2711W	13L	G010YR24HR	0.00	0.00	0.000	13.14	74.65	12.95	72.43
13L2711W	13L	G025YR24HR	0.00	0.00	0.000	13.69	75.39	12.92	73.86
13L2711W	13L	G100YR24HR	12.82	6.14	0.003	12.82	76.15	12.99	74.62
13L2750W_1	13L	G002YR24HR	16.97	0.84	0.000	16.97	77.95	15.96	71.18
13L2750W_1	13L	G010YR24HR	12.88	0.89	0.000	12.88	78.41	12.95	72.43
13L2750W_1	13L	G025YR24HR	12.58	0.91	0.000	12.58	78.68	12.92	73.86
13L2750W_1	13L	G100YR24HR	12.16	0.93	0.000	12.38	79.02	12.99	74.62
13L2750W_2	13L	G002YR24HR	16.97	2.08	0.000	16.97	77.95	15.96	71.18
13L2750W_2	13L	G010YR24HR	12.88	37.54	0.010	12.88	78.41	12.95	72.43
13L2750W_2	13L	G025YR24HR	12.58	72.00	0.021	12.58	78.68	12.92	73.86
13L2750W_2	13L	G100YR24HR	12.38	129.10	0.030	12.38	79.02	12.99	74.62
13L2800	13L	G002YR24HR	15.80	45.50	-0.370	15.90	72.42	15.96	71.18
13L2800	13L	G010YR24HR	13.77	67.70	-0.370	13.01	73.01	12.95	72.43
13L2800	13L	G025YR24HR	13.64	85.52	-0.370	13.00	74.12	12.92	73.86
13L2800	13L	G100YR24HR	13.02	148.41	-0.370	13.01	75.00	12.99	74.62
13L2900C_1	13L	G002YR24HR	15.63	22.67	0.004	15.67	74.26	15.63	73.25
13L2900C_1	13L	G010YR24HR	13.75	33.76	0.006	13.79	74.79	13.75	73.57
13L2900C_1	13L	G025YR24HR	13.58	42.65	0.007	13.61	75.22	13.58	73.83
13L2900C_1	13L	G100YR24HR	13.01	74.20	0.007	13.01	77.54	13.01	75.00
13L2900C_2	13L	G002YR24HR	15.63	22.67	0.004	15.67	74.26	15.63	73.25
13L2900C_2	13L	G010YR24HR	13.75	33.76	0.006	13.79	74.79	13.75	73.57
13L2900C_2	13L	G025YR24HR	13.58	42.65	0.007	13.61	75.22	13.58	73.83
13L2900C_2	13L	G100YR24HR	13.01	74.20	0.007	13.01	77.54	13.01	75.00
13L3100	13L	G002YR24HR	15.66	45.14	-0.150	15.67	74.89	15.67	74.26
13L3100	13L	G010YR24HR	13.83	66.98	-0.149	13.81	75.41	13.79	74.79
13L3100	13L	G025YR24HR	13.65	84.53	-0.154	13.62	75.80	13.61	75.22
13L3100	13L	G100YR24HR	12.95	146.90	-0.155	13.01	77.75	13.01	77.54
13L3110C	13L	G002YR24HR	13.64	13.11	0.003	13.66	82.67	4.38	79.11
13L3110C	13L	G010YR24HR	13.51	24.08	0.004	13.53	83.46	3.03	79.11
13L3110C	13L	G025YR24HR	13.51	31.21	0.005	13.51	84.00	2.48	79.11
13L3110C	13L	G100YR24HR	12.88	32.89	0.006	12.88	84.51	1.88	79.11
13L3111W	13L	G002YR24HR	0.00	0.00	0.000	13.66	82.67	15.67	74.89
13L3111W	13L	G010YR24HR	0.00	0.00	0.000	13.53	83.46	13.81	75.41
13L3111W	13L	G025YR24HR	0.00	0.00	0.000	13.51	84.00	13.62	75.80
13L3111W	13L	G100YR24HR	12.88	55.04	0.015	12.88	84.51	13.01	77.75
13L3200D	13L	G002YR24HR	0.00	0.00	0.000	12.92	77.06	15.67	74.89
13L3200D	13L	G010YR24HR	12.94	1.67	0.000	12.94	77.41	13.81	75.41
13L3200D	13L	G025YR24HR	12.96	8.35	0.001	12.96	77.71	13.62	75.80
13L3200D	13L	G100YR24HR	13.50	25.11	-0.005	13.22	78.24	13.01	77.75
13L3201W	13L	G002YR24HR	0.00	0.00	0.000	12.92	77.06	15.67	74.89
13L3201W	13L	G010YR24HR	0.00	0.00	0.000	12.94	77.41	13.81	75.41
13L3201W	13L	G025YR24HR	0.00	0.00	0.000	12.96	77.71	13.62	75.80
13L3201W	13L	G100YR24HR	0.00	0.00	0.000	13.22	78.24	13.01	77.75
13M0200D	13M	G002YR24HR	14.91	20.98	0.924	15.83	52.08	30.72	51.87
13M0200D	13M	G010YR24HR	14.68	35.59	4.705	27.82	53.34	29.08	53.01
13M0200D	13M	G025YR24HR	14.11	39.50	4.826	30.28	54.31	28.54	53.74
13M0200D	13M	G100YR24HR	46.12	41.56	0.924	36.91	55.57	28.01	54.72

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M0400	13M	G002YR24HR	14.83	21.04	3.635	15.80	52.08	15.83	52.08
13M0400	13M	G010YR24HR	14.23	35.81	3.635	27.80	53.35	27.82	53.34
13M0400	13M	G025YR24HR	13.95	40.07	3.635	30.29	54.31	30.28	54.31
13M0400	13M	G100YR24HR	46.01	41.40	3.635	36.92	55.57	36.91	55.57
13M0800S	13M	G002YR24HR	12.21	52.04	5.488	12.22	52.41	15.80	52.08
13M0800S	13M	G010YR24HR	12.19	76.24	5.488	12.19	53.67	27.80	53.35
13M0800S	13M	G025YR24HR	12.12	81.00	5.488	26.96	54.52	30.29	54.31
13M0800S	13M	G100YR24HR	12.17	86.53	5.488	36.23	55.88	36.92	55.57
13M0900S	13M	G002YR24HR	12.21	49.69	0.868	12.21	54.39	13.23	51.91
13M0900S	13M	G010YR24HR	12.20	72.13	0.293	12.20	55.25	26.00	53.46
13M0900S	13M	G025YR24HR	12.29	75.65	1.809	12.16	55.67	26.96	54.52
13M0900S	13M	G100YR24HR	12.31	79.38	3.419	12.20	56.46	36.23	55.88
13M0960S	13M	G002YR24HR	12.17	11.55	0.060	12.19	55.35	12.21	54.39
13M0960S	13M	G010YR24HR	12.12	15.78	-0.521	12.16	57.03	12.20	55.25
13M0960S	13M	G025YR24HR	12.01	15.85	0.678	12.13	57.42	12.16	55.67
13M0960S	13M	G100YR24HR	11.89	15.77	-0.373	12.16	57.79	12.20	56.46
13M0980D	13M	G002YR24HR	12.12	11.83	0.002	12.12	58.17	12.19	55.35
13M0980D	13M	G010YR24HR	12.09	16.28	0.002	12.11	58.30	12.16	57.03
13M0980D	13M	G025YR24HR	11.97	16.91	0.003	12.11	58.40	12.13	57.42
13M0980D	13M	G100YR24HR	11.86	17.02	0.003	12.10	58.54	12.16	57.79
13M0985W	13M	G002YR24HR	12.12	2.39	0.001	12.12	58.17	12.23	54.68
13M0985W	13M	G010YR24HR	12.11	7.42	0.002	12.11	58.30	12.29	56.36
13M0985W	13M	G025YR24HR	12.11	14.11	0.004	12.11	58.40	12.44	56.82
13M0985W	13M	G100YR24HR	12.10	27.48	0.008	12.10	58.54	12.56	57.72
13M1000S	13M	G002YR24HR	12.26	28.03	-5.187	12.23	54.68	12.21	54.39
13M1000S	13M	G010YR24HR	12.36	41.38	-6.360	12.29	56.36	12.20	55.25
13M1000S	13M	G025YR24HR	12.78	48.11	7.484	12.44	56.82	12.16	55.67
13M1000S	13M	G100YR24HR	13.20	49.90	-6.241	12.56	57.72	12.20	56.46
13M1100W	13M	G002YR24HR	0.00	0.00	0.000	12.23	54.68	15.80	52.08
13M1100W	13M	G010YR24HR	0.00	0.00	0.000	12.29	56.36	27.80	53.35
13M1100W	13M	G025YR24HR	0.00	0.00	0.000	12.44	56.82	30.29	54.31
13M1100W	13M	G100YR24HR	12.56	16.26	0.004	12.56	57.72	36.92	55.57
13M1200	13M	G002YR24HR	12.23	25.93	1.192	12.23	55.48	12.23	54.68
13M1200	13M	G010YR24HR	12.25	35.79	-5.199	12.28	56.46	12.29	56.36
13M1200	13M	G025YR24HR	19.03	43.87	-6.040	12.43	56.88	12.44	56.82
13M1200	13M	G100YR24HR	12.44	56.95	5.197	12.55	57.75	12.56	57.72
13M1300C	13M	G002YR24HR	12.21	23.18	0.660	12.21	56.12	12.21	55.66
13M1300C	13M	G010YR24HR	12.07	30.35	0.660	12.28	56.64	12.28	56.46
13M1300C	13M	G025YR24HR	18.62	34.25	0.660	12.41	56.98	12.43	56.88
13M1300C	13M	G100YR24HR	11.89	32.49	0.660	12.53	57.85	12.55	57.75
13M1400W	13M	G002YR24HR	0.00	0.00	0.000	12.21	56.12	12.23	55.48
13M1400W	13M	G010YR24HR	12.28	4.86	0.002	12.28	56.64	12.28	56.46
13M1400W	13M	G025YR24HR	12.37	13.41	0.007	12.41	56.98	12.43	56.88
13M1400W	13M	G100YR24HR	12.39	39.20	0.012	12.53	57.85	12.55	57.75
13M1500	13M	G002YR24HR	12.16	19.09	-0.605	12.17	56.67	12.21	56.12
13M1500	13M	G010YR24HR	12.10	26.33	-0.603	12.29	57.05	12.28	56.64
13M1500	13M	G025YR24HR	19.61	37.49	-3.049	12.38	57.30	12.41	56.98
13M1500	13M	G100YR24HR	13.39	49.03	3.140	12.49	58.04	12.53	57.85
13M1510D	13M	G002YR24HR	12.11	10.89	0.004	12.11	61.37	12.17	56.67
13M1510D	13M	G010YR24HR	11.93	12.80	-0.010	12.34	61.63	12.29	57.05
13M1510D	13M	G025YR24HR	11.84	12.77	-0.012	12.41	61.82	12.38	57.30
13M1510D	13M	G100YR24HR	11.73	12.55	-0.009	12.35	62.03	12.49	58.04
13M1515W	13M	G002YR24HR	0.00	0.00	0.000	12.11	61.37	12.17	56.67
13M1515W	13M	G010YR24HR	0.00	0.00	0.000	12.34	61.63	12.29	57.05
13M1515W	13M	G025YR24HR	12.41	1.23	0.001	12.41	61.82	12.38	57.30
13M1515W	13M	G100YR24HR	12.35	9.40	0.003	12.35	62.03	12.49	58.04
13M1550S	13M	G002YR24HR	24.40	8.32	0.642	24.56	56.69	12.17	56.67
13M1550S	13M	G010YR24HR	21.48	24.70	0.642	21.36	57.73	12.29	57.05
13M1550S	13M	G025YR24HR	20.07	36.15	0.642	19.85	58.69	12.38	57.30
13M1550S	13M	G100YR24HR	19.18	44.04	-1.382	21.29	60.00	12.49	58.04
13M1650S	13M	G002YR24HR	24.33	8.32	0.007	24.38	57.96	12.17	56.67
13M1650S	13M	G010YR24HR	21.28	24.70	-0.469	21.47	59.08	25.01	57.66
13M1650S	13M	G025YR24HR	19.81	36.15	-1.560	19.92	59.78	14.18	57.67
13M1650S	13M	G100YR24HR	19.18	44.05	-11.507	20.52	61.09	21.29	60.00
13M1900D	13M	G002YR24HR	12.86	8.11	0.001	12.86	63.39	24.38	57.96

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M1900D	13M	G010YR24HR	12.88	12.36	0.002	12.88	64.93	21.47	59.08
13M1900D	13M	G025YR24HR	12.94	14.13	0.003	12.94	66.13	19.92	59.78
13M1900D	13M	G100YR24HR	12.69	16.05	0.004	12.69	67.62	20.52	61.09
13M1910W	13M	G002YR24HR	0.00	0.00	0.000	12.86	63.39	24.38	57.96
13M1910W	13M	G010YR24HR	0.00	0.00	0.000	12.88	64.93	21.47	59.08
13M1910W	13M	G025YR24HR	0.00	0.00	0.000	12.94	66.13	19.92	59.78
13M1910W	13M	G100YR24HR	12.69	12.67	0.005	12.69	67.62	20.52	61.09
13M2317S	13M	G002YR24HR	13.93	25.64	-0.012	13.93	59.45	24.38	57.96
13M2317S	13M	G010YR24HR	13.53	32.34	0.149	13.22	59.92	21.47	59.08
13M2317S	13M	G025YR24HR	12.87	34.13	0.535	16.34	59.97	19.92	59.78
13M2317S	13M	G100YR24HR	12.69	34.60	0.851	17.00	61.35	20.52	61.09
13M2318S	13M	G002YR24HR	13.88	25.67	0.879	13.90	60.11	13.93	59.45
13M2318S	13M	G010YR24HR	12.41	36.27	-12.235	15.05	60.22	13.22	59.92
13M2318S	13M	G025YR24HR	12.26	36.38	-16.277	12.26	60.20	16.34	59.97
13M2318S	13M	G100YR24HR	12.10	36.48	-16.283	16.13	61.58	17.00	61.35
13M2319S	13M	G002YR24HR	12.34	30.86	-10.019	12.34	60.27	13.90	60.11
13M2319S	13M	G010YR24HR	13.05	32.14	8.933	13.07	60.32	15.05	60.22
13M2319S	13M	G025YR24HR	12.88	33.57	8.993	12.90	60.38	12.26	60.20
13M2319S	13M	G100YR24HR	12.71	35.16	9.138	16.06	61.64	16.13	61.58
13M2320S	13M	G002YR24HR	12.93	25.84	-18.649	12.34	60.44	5.15	62.02
13M2320S	13M	G010YR24HR	13.04	32.14	-18.649	13.06	60.67	3.76	62.02
13M2320S	13M	G025YR24HR	12.87	33.57	-18.649	12.89	60.73	3.19	62.02
13M2320S	13M	G100YR24HR	12.70	35.17	-18.649	15.96	61.73	2.54	62.02
13M2325W	13M	G002YR24HR	0.00	0.00	0.000	13.25	68.78	24.38	57.96
13M2325W	13M	G010YR24HR	12.92	21.78	0.005	12.92	69.91	21.47	59.08
13M2325W	13M	G025YR24HR	12.75	47.90	0.011	12.75	70.23	19.92	59.78
13M2325W	13M	G100YR24HR	12.62	94.10	0.021	12.62	70.67	20.52	61.09
13M2330D	13M	G002YR24HR	14.89	16.45	0.004	13.25	68.78	12.92	66.99
13M2330D	13M	G010YR24HR	16.50	16.36	0.004	12.92	69.91	13.01	68.42
13M2330D	13M	G025YR24HR	16.98	16.27	0.001	12.75	70.23	12.83	68.80
13M2330D	13M	G100YR24HR	17.77	16.08	0.001	12.62	70.67	12.66	69.24
13M2331S	13M	G002YR24HR	13.66	11.94	2.411	13.24	68.77	13.66	66.56
13M2331S	13M	G010YR24HR	12.92	18.66	2.411	12.92	69.91	12.92	66.74
13M2331S	13M	G025YR24HR	12.74	20.40	2.411	12.74	70.23	12.74	66.78
13M2331S	13M	G100YR24HR	12.42	22.28	2.411	12.61	70.67	12.66	69.24
13M2331W	13M	G002YR24HR	12.17	12.71	0.002	12.17	74.04	13.24	68.77
13M2331W	13M	G010YR24HR	12.16	21.14	0.003	12.16	74.26	12.92	69.91
13M2331W	13M	G025YR24HR	12.14	27.05	0.004	12.14	74.38	12.74	70.23
13M2331W	13M	G100YR24HR	12.13	37.43	0.005	12.13	74.55	12.61	70.67
13M2331W2	13M	G002YR24HR	12.13	13.16	0.091	13.24	68.77	13.25	68.78
13M2331W2	13M	G010YR24HR	12.08	26.63	-0.704	12.92	69.91	12.92	69.91
13M2331W2	13M	G025YR24HR	12.02	30.73	1.424	12.74	70.23	12.75	70.23
13M2331W2	13M	G100YR24HR	12.09	37.44	2.310	12.61	70.67	12.62	70.67
13M2333S	13M	G002YR24HR	12.92	26.05	0.005	12.92	66.99	11.79	64.78
13M2333S	13M	G010YR24HR	13.01	32.15	0.004	13.01	68.42	11.26	64.78
13M2333S	13M	G025YR24HR	12.83	33.59	-0.002	12.83	68.80	10.59	64.78
13M2333S	13M	G100YR24HR	12.66	35.18	-0.002	12.66	69.24	9.33	64.78
13M2334S	13M	G002YR24HR	11.91	7.96	-17.160	13.23	68.81	13.25	68.78
13M2334S	13M	G010YR24HR	11.67	8.09	-17.160	12.91	69.95	12.92	69.91
13M2334S	13M	G025YR24HR	11.53	8.06	-17.160	12.74	70.29	12.75	70.23
13M2334S	13M	G100YR24HR	10.67	8.06	-17.160	12.61	70.75	12.62	70.67
13M2334W	13M	G002YR24HR	12.72	21.88	0.004	13.23	68.81	13.25	68.78
13M2334W	13M	G010YR24HR	12.59	40.96	0.009	12.91	69.95	12.92	69.91
13M2334W	13M	G025YR24HR	12.59	55.76	0.012	12.74	70.29	12.75	70.23
13M2334W	13M	G100YR24HR	12.56	82.33	0.009	12.61	70.75	12.62	70.67
13M2335S	13M	G002YR24HR	14.86	8.40	-0.058	12.83	70.49	13.23	68.81
13M2335S	13M	G010YR24HR	16.33	8.17	-0.066	12.73	70.75	12.91	69.95
13M2335S	13M	G025YR24HR	16.81	8.22	-0.072	12.68	70.92	12.74	70.29
13M2335S	13M	G100YR24HR	11.43	8.54	-0.079	12.64	71.17	12.61	70.75
13M2335W	13M	G002YR24HR	12.83	13.58	0.005	12.83	70.49	13.23	68.81
13M2335W	13M	G010YR24HR	12.73	32.69	0.009	12.73	70.75	12.91	69.95
13M2335W	13M	G025YR24HR	12.68	46.94	0.008	12.68	70.92	12.74	70.29
13M2335W	13M	G100YR24HR	12.64	71.69	0.007	12.64	71.17	12.61	70.75
13M2340	13M	G002YR24HR	12.77	19.26	1.090	12.78	71.19	12.83	70.49
13M2340	13M	G010YR24HR	12.72	33.76	-1.090	12.72	71.50	12.73	70.75
13M2340	13M	G025YR24HR	12.67	45.67	1.090	12.67	71.67	12.68	70.92

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13M2340	13M	G100YR24HR	12.62	66.42	-1.090	12.62	71.90	12.64	71.17
13M2360D	13M	G002YR24HR	19.73	0.87	0.000	19.73	62.66	24.38	57.96
13M2360D	13M	G010YR24HR	19.86	1.28	0.000	20.14	63.18	21.47	59.08
13M2360D	13M	G025YR24HR	13.45	1.39	0.000	23.12	63.60	19.92	59.78
13M2360D	13M	G100YR24HR	12.36	1.45	0.000	24.12	64.35	20.52	61.09
13M2360W	13M	G002YR24HR	0.00	0.00	0.000	19.73	62.66	24.38	57.96
13M2360W	13M	G010YR24HR	0.00	0.00	0.000	20.14	63.18	21.47	59.08
13M2360W	13M	G025YR24HR	0.00	0.00	0.000	23.12	63.60	19.92	59.78
13M2360W	13M	G100YR24HR	0.00	0.00	0.000	24.12	64.35	20.52	61.09
13N0100D	13N	G002YR24HR	14.04	8.64	0.001	14.04	53.66	14.08	52.74
13N0100D	13N	G010YR24HR	13.86	17.34	0.003	13.88	54.38	13.89	53.75
13N0100D	13N	G025YR24HR	14.11	20.29	0.005	14.04	54.96	13.96	54.09
13N0100D	13N	G100YR24HR	12.53	20.70	0.009	14.02	55.45	27.25	55.07
13N0100W	13N	G002YR24HR	12.50	1.26	-66.560	14.04	53.66	0.00	54.01
13N0100W	13N	G010YR24HR	12.09	9.05	-66.560	13.88	54.38	13.86	54.39
13N0100W	13N	G025YR24HR	11.97	8.75	-66.560	14.04	54.96	14.02	54.97
13N0100W	13N	G100YR24HR	12.08	10.56	-66.560	14.02	55.45	14.01	55.45
13N0150S	13N	G002YR24HR	14.07	8.64	0.002	14.08	52.74	14.13	52.27
13N0150S	13N	G010YR24HR	13.88	17.34	-0.013	13.89	53.75	27.06	53.25
13N0150S	13N	G025YR24HR	14.13	20.30	-0.111	13.96	54.09	27.32	54.00
13N0150S	13N	G100YR24HR	12.52	20.57	0.104	27.25	55.07	27.27	55.07
13N0200	13N	G002YR24HR	14.19	23.49	0.124	29.33	52.06	29.35	52.06
13N0200	13N	G010YR24HR	13.72	45.62	0.173	27.12	53.25	27.15	53.25
13N0200	13N	G025YR24HR	13.28	57.02	0.098	27.31	54.00	27.32	54.00
13N0200	13N	G100YR24HR	17.69	61.73	0.098	27.26	55.07	27.26	55.07
13N0200D	13N	G002YR24HR	0.00	0.00	0.000	0.00	54.01	14.13	52.27
13N0200D	13N	G010YR24HR	13.86	0.12	0.000	13.86	54.39	27.06	53.25
13N0200D	13N	G025YR24HR	14.02	1.16	0.000	14.02	54.97	27.32	54.00
13N0200D	13N	G100YR24HR	14.01	15.03	-0.007	14.01	55.45	27.27	55.07
13N0200W	13N	G002YR24HR	0.00	0.00	0.000	0.00	54.01	29.33	52.06
13N0200W	13N	G010YR24HR	0.00	0.00	0.000	13.86	54.39	27.12	53.25
13N0200W	13N	G025YR24HR	0.00	0.00	0.000	14.02	54.97	27.31	54.00
13N0200W	13N	G100YR24HR	0.00	0.00	0.000	14.01	55.45	27.26	55.07
13N0250S	13N	G002YR24HR	14.13	8.63	0.004	14.13	52.27	0.15	53.70
13N0250S	13N	G010YR24HR	13.93	17.46	0.161	27.06	53.25	0.15	53.70
13N0250S	13N	G025YR24HR	14.05	21.52	0.192	27.32	54.00	27.31	54.00
13N0250S	13N	G100YR24HR	13.76	33.95	0.192	27.27	55.07	27.26	55.07
13N0300	13N	G002YR24HR	12.62	43.96	20.342	26.18	52.12	29.33	52.06
13N0300	13N	G010YR24HR	12.46	67.05	20.342	25.57	53.31	27.12	53.25
13N0300	13N	G025YR24HR	15.41	82.22	20.342	26.58	54.05	27.31	54.00
13N0300	13N	G100YR24HR	15.39	115.32	20.342	27.01	55.09	27.26	55.07
13N0301D	13N	G002YR24HR	13.50	6.10	0.001	13.50	58.25	0.00	54.01
13N0301D	13N	G010YR24HR	12.85	19.68	0.003	12.85	58.56	13.86	54.39
13N0301D	13N	G025YR24HR	12.49	26.20	0.004	12.84	58.76	14.02	54.97
13N0301D	13N	G100YR24HR	12.42	26.31	0.004	12.87	59.12	14.01	55.45
13N0301W	13N	G002YR24HR	0.00	0.00	0.000	13.50	58.25	25.50	54.29
13N0301W	13N	G010YR24HR	0.00	0.00	0.000	12.85	58.56	25.50	55.62
13N0301W	13N	G025YR24HR	0.00	0.00	0.000	12.84	58.76	25.50	56.47
13N0301W	13N	G100YR24HR	12.87	9.68	0.002	12.87	59.12	25.50	57.82
13N0350S	13N	G002YR24HR	12.58	44.06	0.010	12.59	53.18	0.00	54.40
13N0350S	13N	G010YR24HR	12.42	66.96	0.015	12.43	53.68	0.00	54.40
13N0350S	13N	G025YR24HR	15.37	81.99	0.016	24.64	54.14	0.00	54.40
13N0350S	13N	G100YR24HR	15.32	115.37	1.157	24.51	55.39	27.01	55.09
13N0350W	13N	G002YR24HR	0.00	0.00	0.000	12.59	53.18	26.18	52.12
13N0350W	13N	G010YR24HR	0.00	0.00	0.000	12.43	53.68	25.57	53.31
13N0350W	13N	G025YR24HR	0.00	0.00	0.000	24.64	54.14	26.58	54.05
13N0350W	13N	G100YR24HR	0.00	0.00	0.000	24.51	55.39	27.01	55.09
13N0400	13N	G002YR24HR	12.56	37.11	1.136	12.57	53.66	12.59	53.18
13N0400	13N	G010YR24HR	14.06	57.25	1.136	12.42	54.17	12.43	53.68
13N0400	13N	G025YR24HR	14.11	76.14	1.136	14.21	54.53	24.64	54.14
13N0400	13N	G100YR24HR	16.07	99.84	1.136	24.27	55.50	24.51	55.39
13N0500S	13N	G002YR24HR	12.48	37.63	0.061	12.56	53.77	12.57	53.66
13N0500S	13N	G010YR24HR	14.04	57.22	0.061	12.37	54.61	12.42	54.17
13N0500S	13N	G025YR24HR	14.08	76.33	0.061	14.18	55.38	14.21	54.53
13N0500S	13N	G100YR24HR	16.11	99.78	0.197	15.80	56.57	24.27	55.50

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13N0500W	13N	G002YR24HR	0.00	0.00	0.000	12.56	53.77	12.57	53.66
13N0500W	13N	G010YR24HR	0.00	0.00	0.000	12.37	54.61	12.42	54.17
13N0500W	13N	G025YR24HR	0.00	0.00	0.000	14.18	55.38	14.21	54.53
13N0500W	13N	G100YR24HR	0.00	0.00	0.000	15.80	56.57	24.27	55.50
13N0501P	13N	G002YR24HR	12.62	27.27	0.008	12.62	57.52	12.62	53.65
13N0501P	13N	G010YR24HR	12.72	42.23	0.010	12.67	58.57	13.08	54.77
13N0501P	13N	G025YR24HR	12.69	41.29	1.955	13.48	59.47	14.18	55.38
13N0501P	13N	G100YR24HR	12.59	39.27	1.444	14.23	60.18	15.80	56.57
13N0700	13N	G002YR24HR	18.31	20.86	0.089	17.70	53.79	12.56	53.77
13N0700	13N	G010YR24HR	18.15	47.18	-0.262	16.07	54.86	12.37	54.61
13N0700	13N	G025YR24HR	18.04	62.33	0.413	15.99	55.54	14.18	55.38
13N0700	13N	G100YR24HR	17.07	83.07	4.840	16.15	56.59	15.80	56.57
13N0700W	13N	G002YR24HR	12.33	7.97	0.001	12.33	54.29	12.59	53.18
13N0700W	13N	G010YR24HR	12.32	12.75	0.002	12.32	54.39	12.43	53.68
13N0700W	13N	G025YR24HR	12.30	16.36	0.002	12.30	54.45	24.64	54.14
13N0700W	13N	G100YR24HR	12.28	23.01	-0.507	24.50	55.39	24.51	55.39
13N0750D	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	12.33	54.29
13N0750D	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	12.32	54.39
13N0750D	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	12.30	54.45
13N0750D	13N	G100YR24HR	0.00	0.00	-0.000	31.10	54.72	24.50	55.39
13N0750W	13N	G002YR24HR	0.00	0.00	0.000	25.50	53.16	24.59	53.85
13N0750W	13N	G010YR24HR	0.00	0.00	0.000	25.50	53.50	21.51	55.25
13N0750W	13N	G025YR24HR	0.00	0.00	0.000	25.50	53.74	14.95	55.46
13N0750W	13N	G100YR24HR	0.00	0.00	0.000	31.10	54.72	13.74	56.16
13N0800S	13N	G002YR24HR	24.45	0.32	-0.000	24.60	53.85	24.64	53.57
13N0800S	13N	G010YR24HR	17.86	0.50	-0.005	21.62	55.25	24.21	54.65
13N0800S	13N	G025YR24HR	13.94	0.53	-0.002	15.01	55.34	24.29	54.87
13N0800S	13N	G100YR24HR	12.58	0.53	-0.001	13.07	55.47	25.05	55.29
13N0800W	13N	G002YR24HR	0.00	0.00	0.000	24.60	53.85	12.33	54.29
13N0800W	13N	G010YR24HR	21.62	1.37	0.000	21.62	55.25	12.32	54.39
13N0800W	13N	G025YR24HR	15.01	7.10	0.001	15.01	55.34	12.30	54.45
13N0800W	13N	G100YR24HR	13.07	18.53	0.006	13.07	55.47	24.50	55.39
13N0805W_1	13N	G002YR24HR	0.00	0.00	0.000	24.64	53.57	25.89	52.17
13N0805W_1	13N	G010YR24HR	0.00	0.00	0.000	24.21	54.65	25.43	53.42
13N0805W_1	13N	G025YR24HR	0.00	0.00	0.000	24.29	54.87	26.51	54.11
13N0805W_1	13N	G100YR24HR	0.00	0.00	0.000	25.05	55.29	26.85	55.11
13N0805W_2	13N	G002YR24HR	24.64	0.32	0.000	24.64	53.57	25.89	52.17
13N0805W_2	13N	G010YR24HR	17.78	0.50	0.000	24.21	54.65	25.43	53.42
13N0805W_2	13N	G025YR24HR	14.02	0.52	0.000	24.29	54.87	26.51	54.11
13N0805W_2	13N	G100YR24HR	12.78	0.51	0.000	25.05	55.29	26.85	55.11
13N0810S	13N	G002YR24HR	24.78	0.32	0.005	25.89	52.17	26.18	52.12
13N0810S	13N	G010YR24HR	17.80	0.50	0.005	25.43	53.42	25.57	53.31
13N0810S	13N	G025YR24HR	14.32	0.51	-0.006	26.51	54.11	26.58	54.05
13N0810S	13N	G100YR24HR	12.71	0.50	-0.004	26.85	55.11	27.01	55.09
13N0900S	13N	G002YR24HR	12.82	1.43	-31.073	24.59	53.85	24.60	53.85
13N0900S	13N	G010YR24HR	12.81	3.99	-31.073	21.51	55.25	21.62	55.25
13N0900S	13N	G025YR24HR	14.92	6.28	-31.073	14.95	55.46	15.01	55.34
13N0900S	13N	G100YR24HR	13.77	15.62	-31.073	13.74	56.16	13.07	55.47
13P0300C_1	13P	G002YR24HR	12.13	1.20	-0.020	12.14	55.56	12.13	54.39
13P0300C_1	13P	G010YR24HR	20.11	5.38	-0.020	20.20	56.09	20.11	54.62
13P0300C_1	13P	G025YR24HR	16.40	8.32	-0.020	16.54	56.35	16.40	54.73
13P0300C_1	13P	G100YR24HR	13.86	18.00	-0.020	13.86	57.04	13.86	55.01
13P0300C_2	13P	G002YR24HR	12.13	1.20	-0.020	12.14	55.56	12.13	54.39
13P0300C_2	13P	G010YR24HR	20.11	5.38	-0.020	20.20	56.09	20.11	54.62
13P0300C_2	13P	G025YR24HR	16.40	8.32	-0.020	16.54	56.35	16.40	54.73
13P0300C_2	13P	G100YR24HR	13.86	18.00	-0.020	13.86	57.04	13.86	55.01
13P0300C_3	13P	G002YR24HR	12.13	1.20	-0.020	12.14	55.56	12.13	54.39
13P0300C_3	13P	G010YR24HR	20.11	5.38	-0.020	20.20	56.09	20.11	54.62
13P0300C_3	13P	G025YR24HR	16.40	8.32	-0.020	16.54	56.35	16.40	54.73
13P0300C_3	13P	G100YR24HR	13.86	18.00	-0.020	13.86	57.04	13.86	55.01
13P0400W	13P	G002YR24HR	0.00	0.00	0.000	12.14	55.56	0.00	54.10
13P0400W	13P	G010YR24HR	0.00	0.00	0.000	20.20	56.09	22.07	54.52
13P0400W	13P	G025YR24HR	0.00	0.00	0.000	16.54	56.35	22.74	54.82
13P0400W	13P	G100YR24HR	0.00	0.00	0.000	13.86	57.04	24.30	55.26
13P0401C	13P	G002YR24HR	0.00	0.00	0.000	0.00	59.00	12.14	55.56
13P0401C	13P	G010YR24HR	20.23	15.93	0.000	20.23	59.48	20.20	56.09

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P0401C	13P	G025YR24HR	16.54	24.55	0.001	16.54	59.61	16.54	56.35
13P0401C	13P	G100YR24HR	13.85	52.86	0.006	13.85	59.96	13.86	57.04
13P0450C	13P	G002YR24HR	0.00	5.37	5.368	0.00	54.10	29.35	52.06
13P0450C	13P	G010YR24HR	20.28	16.09	5.368	22.07	54.52	27.15	53.25
13P0450C	13P	G025YR24HR	16.62	24.87	5.368	22.74	54.82	27.32	54.00
13P0450C	13P	G100YR24HR	13.88	53.84	5.368	24.30	55.26	27.26	55.07
13P0500C	13P	G002YR24HR	12.35	37.72	0.012	12.35	59.96	12.35	53.94
13P0500C	13P	G010YR24HR	12.33	69.07	0.022	12.33	60.41	12.33	54.29
13P0500C	13P	G025YR24HR	12.32	91.83	0.031	12.32	60.66	12.98	55.16
13P0500C	13P	G100YR24HR	12.43	157.28	0.046	12.27	61.01	13.04	56.46
13P1152W	13P	G002YR24HR	0.00	0.00	0.000	12.24	71.32	72.00	69.77
13P1152W	13P	G010YR24HR	0.00	0.00	0.000	12.25	71.79	20.21	70.49
13P1152W	13P	G025YR24HR	0.00	0.00	0.000	12.24	72.09	16.52	70.66
13P1152W	13P	G100YR24HR	0.00	0.00	0.000	12.27	72.60	13.83	71.10
13P1200P	13P	G002YR24HR	12.24	16.65	8.453	12.24	71.32	12.24	65.59
13P1200P	13P	G010YR24HR	12.24	28.91	8.453	12.25	71.79	12.24	65.77
13P1200P	13P	G025YR24HR	12.24	37.67	8.453	12.24	72.09	12.24	65.88
13P1200P	13P	G100YR24HR	12.27	54.17	8.453	12.27	72.60	12.27	66.07
13P1200W	GEE	G002YR24HR	0.00	0.00	0.000	12.24	71.32	0.00	71.00
13P1200W	GEE	G010YR24HR	0.00	0.00	0.000	12.25	71.79	0.00	71.00
13P1200W	GEE	G025YR24HR	0.00	0.00	0.000	12.24	72.09	0.00	71.00
13P1200W	GEE	G100YR24HR	0.00	0.00	0.000	12.27	72.60	0.00	71.00
13P1300	13P	G002YR24HR	12.36	9.54	0.005	12.36	73.89	12.36	71.57
13P1300	13P	G010YR24HR	12.41	17.53	0.007	12.41	74.39	12.41	71.81
13P1300	13P	G025YR24HR	12.45	23.20	0.008	12.59	74.67	12.24	72.09
13P1300	13P	G100YR24HR	12.36	34.22	-0.140	12.80	75.03	12.27	72.60
13P1400	13P	G002YR24HR	12.69	7.84	2.074	12.73	74.84	12.36	73.89
13P1400	13P	G010YR24HR	12.59	14.63	2.074	12.59	75.22	12.41	74.39
13P1400	13P	G025YR24HR	12.62	20.30	2.074	12.62	75.51	12.59	74.67
13P1400	13P	G100YR24HR	12.59	30.49	2.074	12.64	75.85	12.80	75.03
13P1500C_1	13P	G002YR24HR	12.63	3.93	0.916	12.64	75.68	12.63	74.50
13P1500C_1	13P	G010YR24HR	12.55	7.32	0.916	12.55	76.03	12.59	75.22
13P1500C_1	13P	G025YR24HR	12.58	10.16	0.916	12.59	76.29	12.62	75.51
13P1500C_1	13P	G100YR24HR	12.56	15.28	0.916	12.58	76.70	12.64	75.85
13P1500C_2	13P	G002YR24HR	12.63	3.93	0.916	12.64	75.68	12.63	74.50
13P1500C_2	13P	G010YR24HR	12.55	7.32	0.916	12.55	76.03	12.59	75.22
13P1500C_2	13P	G025YR24HR	12.58	10.16	0.916	12.59	76.29	12.62	75.51
13P1500C_2	13P	G100YR24HR	12.56	15.28	0.916	12.58	76.70	12.64	75.85
13P1650	13P	G002YR24HR	12.60	7.87	4.611	12.61	75.97	12.64	75.68
13P1650	13P	G010YR24HR	12.48	14.66	4.611	12.49	76.39	12.55	76.03
13P1650	13P	G025YR24HR	12.54	20.34	4.611	12.56	76.68	12.59	76.29
13P1650	13P	G100YR24HR	12.53	30.59	4.611	12.55	77.13	12.58	76.70
13P1700	13P	G002YR24HR	12.98	6.53	0.906	12.98	76.47	12.61	75.97
13P1700	13P	G010YR24HR	13.00	12.10	0.998	12.91	76.86	12.49	76.39
13P1700	13P	G025YR24HR	13.02	17.21	0.977	12.90	77.17	12.56	76.68
13P1700	13P	G100YR24HR	13.25	27.60	0.950	13.23	77.67	12.55	77.13
13P1750W	13P	G002YR24HR	12.92	6.54	0.001	12.92	77.06	12.98	76.47
13P1750W	13P	G010YR24HR	12.95	12.09	0.001	12.94	77.41	12.91	76.86
13P1750W	13P	G025YR24HR	12.99	17.18	0.002	12.96	77.71	12.90	77.17
13P1750W	13P	G100YR24HR	13.21	27.60	0.002	13.22	78.24	13.23	77.67
13P1810S	13P	G002YR24HR	12.08	1.45	-57.287	25.50	81.14	0.00	82.50
13P1810S	13P	G010YR24HR	12.08	2.22	-57.287	24.38	82.97	24.38	82.97
13P1810S	13P	G025YR24HR	12.08	2.67	-57.287	24.25	83.87	24.25	83.87
13P1810S	13P	G100YR24HR	15.27	3.58	-57.287	15.31	84.53	15.32	84.50
13P1810W	13P	G002YR24HR	0.00	0.00	0.000	25.50	81.14	0.00	81.40
13P1810W	13P	G010YR24HR	0.00	0.00	0.000	24.38	82.97	0.00	81.40
13P1810W	13P	G025YR24HR	0.00	0.00	0.000	24.25	83.87	0.00	81.40
13P1810W	13P	G100YR24HR	0.00	0.00	0.000	15.31	84.53	15.73	81.41
13P1811W_1	13P	G002YR24HR	0.00	0.00	0.000	0.00	82.50	0.00	81.70
13P1811W_1	13P	G010YR24HR	0.00	0.00	0.000	24.38	82.97	24.75	81.97
13P1811W_1	13P	G025YR24HR	0.00	0.00	0.000	24.25	83.87	24.45	82.08
13P1811W_1	13P	G100YR24HR	15.32	2.94	0.000	15.32	84.50	15.44	82.68
13P1811W_2	13P	G002YR24HR	0.00	0.00	0.000	0.00	82.50	0.00	81.70
13P1811W_2	13P	G010YR24HR	24.38	0.25	0.000	24.38	82.97	24.75	81.97
13P1811W_2	13P	G025YR24HR	24.25	0.52	0.000	24.25	83.87	24.45	82.08
13P1811W_2	13P	G100YR24HR	15.04	0.64	0.000	15.32	84.50	15.44	82.68

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P1812S	13P	G002YR24HR	0.00	0.00	0.000	0.00	81.70	0.00	81.40
13P1812S	13P	G010YR24HR	24.75	0.25	-0.000	24.75	81.97	24.75	81.57
13P1812S	13P	G025YR24HR	24.45	0.52	0.000	24.45	82.08	24.45	81.65
13P1812S	13P	G100YR24HR	15.44	3.58	0.001	15.44	82.68	15.31	82.06
13P1813C	13P	G002YR24HR	0.00	3.21	3.205	0.00	81.40	0.00	78.76
13P1813C	13P	G010YR24HR	0.00	3.21	3.205	0.00	81.40	0.00	78.76
13P1813C	13P	G025YR24HR	0.00	3.21	3.205	0.00	81.40	16.00	78.76
13P1813C	13P	G100YR24HR	15.51	3.57	3.205	15.73	81.41	15.03	78.86
13P1813W	13P	G002YR24HR	0.00	0.00	0.000	0.00	81.40	12.92	77.06
13P1813W	13P	G010YR24HR	0.00	0.00	0.000	0.00	81.40	12.94	77.41
13P1813W	13P	G025YR24HR	0.00	0.00	0.000	0.00	81.40	12.96	77.71
13P1813W	13P	G100YR24HR	0.00	0.00	0.000	15.73	81.41	13.22	78.24
13P1814W	13P	G002YR24HR	0.00	0.00	0.000	16.35	78.55	12.92	77.06
13P1814W	13P	G010YR24HR	17.50	12.01	0.003	17.50	78.71	12.94	77.41
13P1814W	13P	G025YR24HR	16.00	19.46	0.005	16.00	78.76	12.96	77.71
13P1814W	13P	G100YR24HR	15.03	39.38	0.006	15.03	78.86	13.22	78.24
13P1815	13P	G002YR24HR	16.35	34.92	-5.189	16.35	78.55	16.36	76.90
13P1815	13P	G010YR24HR	17.50	43.65	-5.188	17.50	78.71	17.48	77.18
13P1815	13P	G025YR24HR	16.00	47.09	-5.188	16.00	78.76	16.05	77.29
13P1815	13P	G100YR24HR	15.00	54.24	-5.189	15.03	78.86	13.04	78.08
13P1815C	GEE	G002YR24HR	16.35	34.92	0.007	16.36	76.90	0.00	76.33
13P1815C	GEE	G010YR24HR	17.48	43.65	0.009	17.48	77.18	0.00	76.33
13P1815C	GEE	G025YR24HR	15.93	47.08	0.009	16.05	77.29	0.00	76.33
13P1815C	GEE	G100YR24HR	14.96	54.23	-0.021	13.04	78.08	13.01	77.75
13P1820S	13P	G002YR24HR	16.33	34.38	0.008	16.33	81.62	16.33	79.14
13P1820S	13P	G010YR24HR	17.62	54.90	0.008	17.62	82.46	17.62	79.58
13P1820S	13P	G025YR24HR	16.15	65.05	0.008	16.15	82.86	16.15	79.78
13P1820S	13P	G100YR24HR	15.07	88.21	0.009	15.10	83.79	15.07	80.24
13P1821S	13P	G002YR24HR	21.40	1.96	0.001	21.48	82.41	21.40	81.75
13P1821S	13P	G010YR24HR	17.35	2.96	0.011	17.63	82.63	17.62	82.46
13P1821S	13P	G025YR24HR	17.31	3.77	0.043	16.27	82.97	16.15	82.86
13P1821S	13P	G100YR24HR	18.13	4.42	0.472	15.10	83.91	15.10	83.79
13P1823S	13P	G002YR24HR	21.05	1.99	-0.002	21.05	83.31	21.05	82.36
13P1823S	13P	G010YR24HR	17.06	2.96	-0.002	17.06	83.47	17.06	82.50
13P1823S	13P	G025YR24HR	17.04	3.76	-0.002	17.04	83.59	17.04	82.61
13P1823S	13P	G100YR24HR	18.14	4.04	0.003	15.13	84.07	15.10	83.91
13P182PS	13P	G002YR24HR	20.81	1.97	1.970	20.81	83.95	21.05	83.31
13P182PS	13P	G010YR24HR	17.03	2.96	1.970	17.03	85.22	17.06	83.47
13P182PS	13P	G025YR24HR	16.98	3.76	1.970	16.98	86.25	17.04	83.59
13P182PS	13P	G100YR24HR	12.86	3.92	1.970	18.94	87.52	15.13	84.07
13P1890S	13P	G002YR24HR	16.30	34.38	5.478	16.32	84.28	16.30	83.11
13P1890S	13P	G010YR24HR	17.59	51.94	5.478	17.64	85.00	17.59	83.71
13P1890S	13P	G025YR24HR	16.03	61.29	5.478	16.12	85.37	16.03	84.06
13P1890S	13P	G100YR24HR	15.02	84.29	5.478	15.05	86.29	13.09	85.10
13P2000S	13P	G002YR24HR	13.02	21.40	-20.458	16.32	84.28	16.32	84.28
13P2000S	13P	G010YR24HR	12.19	24.09	-20.532	17.63	85.00	17.64	85.00
13P2000S	13P	G025YR24HR	11.99	23.03	-16.946	16.11	85.37	16.12	85.37
13P2000S	13P	G100YR24HR	12.48	26.23	-19.849	15.02	86.29	15.05	86.29
13P2020S	13P	G002YR24HR	12.48	9.42	0.003	12.49	85.44	12.48	84.86
13P2020S	13P	G010YR24HR	12.46	15.42	0.047	12.47	85.94	12.46	85.22
13P2020S	13P	G025YR24HR	12.46	19.51	0.031	12.46	86.25	12.46	85.46
13P2020S	13P	G100YR24HR	12.47	26.43	0.035	12.47	86.79	15.02	86.29
13P2020W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	16.32	84.28
13P2020W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	17.64	85.00
13P2020W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	16.12	85.37
13P2020W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	15.05	86.29
13P2100C	13P	G002YR24HR	12.93	0.38	0.034	12.49	85.44	12.49	85.44
13P2100C	13P	G010YR24HR	12.92	0.57	0.071	12.47	85.94	12.47	85.94
13P2100C	13P	G025YR24HR	12.92	0.70	0.091	12.46	86.25	12.46	86.25
13P2100C	13P	G100YR24HR	13.00	0.90	0.088	12.47	86.79	12.47	86.79
13P2100W	13P	G002YR24HR	0.00	0.00	0.000	12.49	85.44	12.49	85.44
13P2100W	13P	G010YR24HR	0.00	0.00	0.000	12.47	85.94	12.47	85.94
13P2100W	13P	G025YR24HR	0.00	0.00	0.000	12.46	86.25	12.46	86.25
13P2100W	13P	G100YR24HR	0.00	0.00	0.000	12.47	86.79	12.47	86.79
13P2250	13P	G002YR24HR	0.00	0.00	0.000	72.00	85.88	12.49	85.44

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P2250	13P	G010YR24HR	0.00	0.00	0.000	72.00	86.74	12.47	85.94
13P2250	13P	G025YR24HR	0.00	0.00	0.000	72.00	87.31	12.46	86.25
13P2250	13P	G100YR24HR	72.00	0.23	0.000	72.00	88.19	72.00	87.60
13P2300D	13P	G002YR24HR	12.08	4.56	0.001	15.19	89.47	15.16	89.43
13P2300D	13P	G010YR24HR	14.30	3.95	0.001	13.39	90.42	13.09	90.11
13P2300D	13P	G025YR24HR	14.91	5.16	0.094	13.39	91.09	13.01	90.61
13P2300D	13P	G100YR24HR	16.27	6.32	0.155	13.61	92.16	13.06	91.45
13P2300W	13P	G002YR24HR	0.00	0.00	0.000	15.19	89.47	72.00	85.88
13P2300W	13P	G010YR24HR	0.00	0.00	0.000	13.39	90.42	72.00	86.74
13P2300W	13P	G025YR24HR	0.00	0.00	0.000	13.39	91.09	72.00	87.31
13P2300W	13P	G100YR24HR	0.00	0.00	0.000	13.61	92.16	72.00	88.19
13P2350S	13P	G002YR24HR	12.10	2.95	-0.172	15.16	89.43	15.15	89.43
13P2350S	13P	G010YR24HR	14.29	4.02	-0.173	13.09	90.11	13.07	90.09
13P2350S	13P	G025YR24HR	14.86	5.27	-0.174	13.01	90.61	12.99	90.58
13P2350S	13P	G100YR24HR	16.27	6.45	-0.172	13.06	91.45	13.04	91.41
13P2400C	13P	G002YR24HR	13.86	3.75	1.079	72.00	85.88	72.00	85.88
13P2400C	13P	G010YR24HR	13.85	5.33	-1.286	72.00	86.74	72.00	86.74
13P2400C	13P	G025YR24HR	13.85	5.71	-1.448	72.00	87.31	72.00	87.31
13P2400C	13P	G100YR24HR	24.50	7.24	-1.598	72.00	88.19	72.00	88.19
13P2400S	13P	G002YR24HR	15.12	2.66	-44.513	15.15	89.43	15.16	89.41
13P2400S	13P	G010YR24HR	13.06	9.96	-44.513	13.07	90.09	13.09	89.76
13P2400S	13P	G025YR24HR	13.04	13.63	-44.513	12.99	90.58	12.98	89.97
13P2400S	13P	G100YR24HR	12.88	17.04	-44.513	13.04	91.41	13.49	90.50
13P2400W	13P	G002YR24HR	0.00	0.00	0.000	15.15	89.43	72.00	85.88
13P2400W	13P	G010YR24HR	0.00	0.00	0.000	13.07	90.09	72.00	86.74
13P2400W	13P	G025YR24HR	0.00	0.00	0.000	12.99	90.58	72.00	87.31
13P2400W	13P	G100YR24HR	0.00	0.00	0.000	13.04	91.41	72.00	88.19
13P2410W_1	13P	G002YR24HR	15.16	2.13	0.000	15.16	89.41	15.29	88.17
13P2410W_1	13P	G010YR24HR	13.09	9.57	0.002	13.09	89.76	13.18	89.08
13P2410W_1	13P	G025YR24HR	13.03	13.33	-0.006	12.98	89.97	12.95	89.51
13P2410W_1	13P	G100YR24HR	12.93	16.75	0.006	13.49	90.50	13.52	90.33
13P2410W_2	13P	G002YR24HR	13.46	0.56	0.000	15.16	89.41	15.29	88.17
13P2410W_2	13P	G010YR24HR	12.23	0.58	0.000	13.09	89.76	13.18	89.08
13P2410W_2	13P	G025YR24HR	12.03	0.59	-0.000	12.98	89.97	12.95	89.51
13P2410W_2	13P	G100YR24HR	11.72	0.57	-0.000	13.49	90.50	13.52	90.33
13P2420S	13P	G002YR24HR	15.24	2.66	0.001	15.29	88.17	15.24	85.18
13P2420S	13P	G010YR24HR	13.17	9.94	0.003	13.18	89.08	13.17	85.78
13P2420S	13P	G025YR24HR	13.02	13.74	0.006	12.95	89.51	72.00	87.31
13P2420S	13P	G100YR24HR	12.97	16.85	0.006	13.52	90.33	72.00	88.19
13P2610S	13P	G002YR24HR	12.35	36.56	-14.929	72.00	85.88	72.00	85.88
13P2610S	13P	G010YR24HR	12.09	41.58	-14.929	72.00	86.74	72.00	86.74
13P2610S	13P	G025YR24HR	12.01	43.51	-14.929	72.00	87.31	72.00	87.31
13P2610S	13P	G100YR24HR	11.89	42.29	-14.929	24.57	88.27	72.00	88.19
13P2630S	13P	G002YR24HR	12.34	36.68	-0.458	12.37	87.62	72.00	85.88
13P2630S	13P	G010YR24HR	12.09	41.80	-0.458	12.10	88.76	72.00	86.74
13P2630S	13P	G025YR24HR	11.99	43.85	-0.458	12.08	89.65	72.00	87.31
13P2630S	13P	G100YR24HR	11.90	42.56	-0.458	15.59	90.02	24.57	88.27
13P2635W	13P	G002YR24HR	0.00	0.00	0.000	12.37	87.62	72.00	85.88
13P2635W	13P	G010YR24HR	0.00	0.00	0.000	12.10	88.76	72.00	86.74
13P2635W	13P	G025YR24HR	0.00	0.00	0.000	12.08	89.65	72.00	87.31
13P2635W	13P	G100YR24HR	15.59	1.30	0.000	15.59	90.02	72.00	88.19
13P2643S	13P	G002YR24HR	12.10	24.33	-1.492	12.10	89.61	12.37	87.62
13P2643S	13P	G010YR24HR	12.02	26.21	-1.413	12.09	90.83	12.10	88.76
13P2643S	13P	G025YR24HR	11.91	25.94	-1.338	12.08	90.89	12.08	89.65
13P2643S	13P	G100YR24HR	11.79	25.42	-1.284	12.08	90.92	15.59	90.02
13P2643W1	13P	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.37	87.62
13P2643W1	13P	G010YR24HR	12.09	3.13	0.018	12.09	90.83	12.10	88.76
13P2643W1	13P	G025YR24HR	12.08	13.08	0.041	12.08	90.89	12.08	89.65
13P2643W1	13P	G100YR24HR	12.08	22.51	0.039	12.08	90.92	15.59	90.02
13P2643W2	13P	G002YR24HR	0.00	0.00	0.000	12.10	89.61	12.79	87.74
13P2643W2	13P	G010YR24HR	0.00	0.00	0.000	12.09	90.83	14.73	88.42
13P2643W2	13P	G025YR24HR	0.00	0.00	0.000	12.08	90.89	16.90	89.05
13P2643W2	13P	G100YR24HR	0.00	0.00	0.000	12.08	90.92	15.62	90.05
13P2644S	13P	G002YR24HR	12.00	15.90	0.709	12.09	92.63	12.10	89.61
13P2644S	13P	G010YR24HR	11.83	15.79	0.666	12.08	92.82	12.09	90.83
13P2644S	13P	G025YR24HR	14.33	15.78	-0.793	13.63	92.92	12.08	90.89

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P2644S	13P	G100YR24HR	11.68	15.37	-0.701	12.53	93.17	12.08	90.92
13P2644W1	13P	G002YR24HR	0.00	0.00	0.000	12.09	92.63	72.00	85.88
13P2644W1	13P	G010YR24HR	0.00	0.00	0.000	12.08	92.82	72.00	86.74
13P2644W1	13P	G025YR24HR	0.00	0.00	0.000	13.63	92.92	72.00	87.31
13P2644W1	13P	G100YR24HR	0.00	0.00	0.000	12.53	93.17	72.00	88.19
13P2644W2	13P	G002YR24HR	0.00	0.00	0.000	12.09	92.63	15.41	86.14
13P2644W2	13P	G010YR24HR	0.00	0.00	0.000	12.08	92.82	17.90	88.05
13P2644W2	13P	G025YR24HR	0.00	0.00	0.000	13.63	92.92	20.17	88.82
13P2644W2	13P	G100YR24HR	0.00	0.00	0.000	12.53	93.17	23.70	90.07
13P2646S	13P	G002YR24HR	12.68	1.64	0.263	12.09	92.61	12.09	92.63
13P2646S	13P	G010YR24HR	14.62	8.48	0.029	12.08	92.80	12.08	92.82
13P2646S	13P	G025YR24HR	19.95	8.41	-0.046	13.66	92.92	13.63	92.92
13P2646S	13P	G100YR24HR	24.91	7.24	0.278	12.55	93.16	12.53	93.17
13P2646W	13P	G002YR24HR	0.00	0.00	-0.077	12.09	92.61	12.09	92.63
13P2646W	13P	G010YR24HR	12.91	4.53	-0.092	12.08	92.80	12.08	92.82
13P2646W	13P	G025YR24HR	17.98	13.17	-0.114	13.66	92.92	13.63	92.92
13P2646W	13P	G100YR24HR	20.70	10.84	-0.236	12.55	93.16	12.53	93.17
13P2647W	13P	G002YR24HR	0.00	0.00	-0.111	25.50	92.42	12.09	92.61
13P2647W	13P	G010YR24HR	13.69	9.14	-0.135	13.69	92.62	12.08	92.80
13P2647W	13P	G025YR24HR	18.00	13.84	-0.169	13.73	92.94	13.66	92.92
13P2647W	13P	G100YR24HR	23.84	11.49	-0.212	12.59	93.14	12.55	93.16
13P2647W2	13P	G002YR24HR	0.00	0.00	0.000	25.50	92.42	12.79	87.74
13P2647W2	13P	G010YR24HR	0.00	0.00	0.000	13.69	92.62	14.73	88.42
13P2647W2	13P	G025YR24HR	0.00	0.00	0.000	13.73	92.94	16.90	89.05
13P2647W2	13P	G100YR24HR	12.59	82.85	0.034	12.59	93.14	15.62	90.05
13P2650S	13P	G002YR24HR	13.42	17.71	-0.833	12.79	87.74	12.37	87.62
13P2650S	13P	G010YR24HR	18.00	14.36	-0.955	14.73	88.42	12.10	88.76
13P2650S	13P	G025YR24HR	25.00	14.89	-0.427	16.90	89.05	12.08	89.65
13P2650S	13P	G100YR24HR	28.18	15.68	0.075	15.62	90.05	15.59	90.02
13P2660W	13P	G002YR24HR	0.00	0.00	0.000	12.79	87.74	12.37	87.62
13P2660W	13P	G010YR24HR	0.00	0.00	0.000	14.73	88.42	12.10	88.76
13P2660W	13P	G025YR24HR	0.00	0.00	-0.020	16.90	89.05	12.08	89.65
13P2660W	13P	G100YR24HR	24.93	17.09	-0.026	15.62	90.05	15.59	90.02
13P270PS	13P	G002YR24HR	12.89	21.04	21.040	15.41	86.14	72.00	85.88
13P270PS	13P	G010YR24HR	12.21	21.04	21.040	17.90	88.05	72.00	86.74
13P270PS	13P	G025YR24HR	11.99	21.04	21.040	20.17	88.82	72.00	87.31
13P270PS	13P	G100YR24HR	11.36	21.04	21.040	23.70	90.07	72.00	88.19
13P31200S	GEE	G002YR24HR	12.05	12.77	-0.006	12.07	91.64	12.07	91.39
13P31200S	GEE	G010YR24HR	12.05	17.19	-0.006	12.06	92.83	12.06	92.17
13P31200S	GEE	G025YR24HR	12.06	20.89	-0.006	12.07	93.85	12.07	92.88
13P31200S	GEE	G100YR24HR	12.08	27.49	-0.006	12.09	96.12	12.09	94.43
13P3150S	GEE	G002YR24HR	12.07	12.76	0.012	12.07	91.39	12.05	89.78
13P3150S	GEE	G010YR24HR	12.06	17.18	-0.014	12.06	92.17	12.04	89.98
13P3150S	GEE	G025YR24HR	12.07	20.89	0.015	12.07	92.88	12.07	90.13
13P3150S	GEE	G100YR24HR	12.09	27.47	0.016	12.09	94.43	12.08	90.31
13P3250S	GEE	G002YR24HR	12.02	12.82	-0.092	12.06	91.72	12.07	91.64
13P3250S	GEE	G010YR24HR	12.04	17.22	-0.092	12.06	93.08	12.06	92.83
13P3250S	GEE	G025YR24HR	12.05	20.93	-0.092	12.07	94.22	12.07	93.85
13P3250S	GEE	G100YR24HR	12.06	27.55	-0.092	12.08	96.75	12.09	96.12
13P3300S	GEE	G002YR24HR	12.00	12.94	-1.685	12.06	91.79	12.06	91.72
13P3300S	GEE	G010YR24HR	12.00	17.31	-1.524	12.06	93.20	12.06	93.08
13P3300S	GEE	G025YR24HR	12.02	21.04	-1.367	12.07	94.41	12.07	94.22
13P3300S	GEE	G100YR24HR	12.00	27.74	-1.365	12.08	97.08	12.08	96.75
13P3350S	GEE	G002YR24HR	12.00	13.10	-3.320	12.06	91.83	12.06	91.79
13P3350S	GEE	G010YR24HR	12.00	17.58	-3.239	12.05	93.28	12.06	93.20
13P3350S	GEE	G025YR24HR	12.00	21.44	1.949	12.06	94.52	12.07	94.41
13P3350S	GEE	G100YR24HR	12.00	28.46	1.978	12.08	97.27	12.08	97.08
13P3400D	13P	G002YR24HR	12.01	5.56	-0.349	12.06	91.85	12.07	91.72
13P3400D	13P	G010YR24HR	12.00	10.24	-0.349	12.05	93.32	12.06	92.94
13P3400D	13P	G025YR24HR	12.00	13.02	-0.349	12.06	94.58	12.08	93.98
13P3400D	13P	G100YR24HR	12.00	17.81	-0.349	12.08	97.37	12.09	96.27
13P3400S	GEE	G002YR24HR	12.00	13.26	9.493	12.06	91.85	12.06	91.83
13P3400S	GEE	G010YR24HR	12.00	17.86	-8.086	12.05	93.32	12.05	93.28
13P3400S	GEE	G025YR24HR	12.00	21.86	6.467	12.06	94.58	12.06	94.52
13P3400S	GEE	G100YR24HR	12.00	29.22	6.465	12.08	97.37	12.08	97.27

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13P3400W1	13P	G002YR24HR	12.00	23.19	0.810	12.06	91.85	12.07	91.72
13P3400W1	13P	G010YR24HR	12.00	38.41	0.749	12.05	93.32	12.06	92.94
13P3400W1	13P	G025YR24HR	12.00	48.81	0.381	12.06	94.58	12.08	93.98
13P3400W1	13P	G100YR24HR	12.00	66.78	0.353	12.08	97.37	12.09	96.27
13P3450S	GEE	G002YR24HR	12.07	27.72	0.008	12.07	91.72	72.00	85.88
13P3450S	GEE	G010YR24HR	12.06	47.03	0.011	12.06	92.94	72.00	86.74
13P3450S	GEE	G025YR24HR	12.08	59.25	0.011	12.08	93.98	72.00	87.31
13P3450S	GEE	G100YR24HR	12.09	79.91	0.015	12.09	96.27	72.00	88.19
13P3500S	GEE	G002YR24HR	12.08	27.69	-8.506	72.00	85.88	72.00	85.88
13P3500S	GEE	G010YR24HR	12.07	47.01	-8.506	72.00	86.74	72.00	86.74
13P3500S	GEE	G025YR24HR	12.08	59.23	-8.506	72.00	87.31	72.00	87.31
13P3500S	GEE	G100YR24HR	12.09	79.88	-8.506	72.00	88.19	72.00	88.19
13Q0450W	13Q	G002YR24HR	0.00	0.00	0.000	25.50	84.52	16.32	84.28
13Q0450W	13Q	G010YR24HR	0.00	0.00	0.000	25.50	84.91	17.64	85.00
13Q0450W	13Q	G025YR24HR	0.00	0.00	0.000	25.50	86.47	16.12	85.37
13Q0450W	13Q	G100YR24HR	13.66	25.94	0.007	13.66	88.89	15.05	86.29
13Q0810D	13Q	G002YR24HR	12.92	38.21	0.006	12.94	88.19	14.05	87.39
13Q0810D	13Q	G010YR24HR	12.65	63.54	0.010	13.14	89.55	14.17	88.60
13Q0810D	13Q	G025YR24HR	12.46	68.04	0.008	12.75	89.97	14.29	89.17
13Q0810D	13Q	G100YR24HR	12.25	67.09	-0.007	12.50	90.22	14.07	89.70
13Q0820D	13Q	G002YR24HR	12.91	14.82	0.006	12.94	88.19	14.05	87.39
13Q0820D	13Q	G010YR24HR	12.63	21.03	0.007	13.14	89.55	14.17	88.60
13Q0820D	13Q	G025YR24HR	12.43	22.28	0.006	12.75	89.97	14.29	89.17
13Q0820D	13Q	G100YR24HR	12.24	21.85	0.006	12.50	90.22	14.07	89.70
13Q0820W	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	25.50	84.52
13Q0820W	13Q	G010YR24HR	0.00	0.00	0.000	13.14	89.55	25.50	84.91
13Q0820W	13Q	G025YR24HR	12.75	52.10	0.023	12.75	89.97	25.50	86.47
13Q0820W	13Q	G100YR24HR	12.50	168.02	0.069	12.50	90.22	13.66	88.89
13Q0821S	13Q	G002YR24HR	14.04	11.13	0.013	14.05	87.39	14.07	85.68
13Q0821S	13Q	G010YR24HR	14.25	13.79	0.020	14.17	88.60	13.87	85.99
13Q0821S	13Q	G025YR24HR	14.21	14.86	-0.006	14.29	89.17	14.56	86.14
13Q0821S	13Q	G100YR24HR	12.61	14.06	-0.009	14.07	89.70	13.66	88.88
13Q0821W	13Q	G002YR24HR	13.55	31.41	-0.006	14.05	87.39	14.07	87.35
13Q0821W	13Q	G010YR24HR	12.57	39.51	-0.088	14.17	88.60	14.17	88.58
13Q0821W	13Q	G025YR24HR	12.31	43.02	0.104	14.29	89.17	14.30	89.16
13Q0821W	13Q	G100YR24HR	11.90	41.42	0.126	14.07	89.70	14.08	89.69
13Q0822S	13Q	G002YR24HR	14.07	11.13	-0.006	14.07	85.68	14.07	84.46
13Q0822S	13Q	G010YR24HR	14.27	13.80	0.007	13.87	85.99	17.64	85.00
13Q0822S	13Q	G025YR24HR	14.24	14.85	-0.006	14.56	86.14	16.12	85.37
13Q0822S	13Q	G100YR24HR	13.44	29.90	0.018	13.66	88.88	15.05	86.29
13Q0822W1	13Q	G002YR24HR	0.00	0.00	0.000	14.07	85.68	25.50	84.52
13Q0822W1	13Q	G010YR24HR	0.00	0.00	0.000	13.87	85.99	25.50	84.91
13Q0822W1	13Q	G025YR24HR	0.00	0.00	0.000	14.56	86.14	25.50	86.47
13Q0822W1	13Q	G100YR24HR	0.00	0.00	0.241	13.66	88.88	13.66	88.89
13Q0822W2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	85.68	14.49	85.83
13Q0822W2	13Q	G010YR24HR	0.00	0.00	0.000	13.87	85.99	14.41	86.23
13Q0822W2	13Q	G025YR24HR	0.00	0.00	0.000	14.56	86.14	14.80	86.70
13Q0822W2	13Q	G100YR24HR	0.00	0.00	0.000	13.66	88.88	14.71	87.60
13Q0830W_1	13Q	G002YR24HR	14.89	7.44	-0.268	14.07	87.39	14.05	87.39
13Q0830W_1	13Q	G010YR24HR	19.47	13.87	1.892	14.17	88.60	14.17	88.60
13Q0830W_1	13Q	G025YR24HR	22.21	13.71	-2.295	14.30	89.17	14.29	89.17
13Q0830W_1	13Q	G100YR24HR	26.55	16.63	-2.766	14.08	89.70	14.07	89.70
13Q0830W_2	13Q	G002YR24HR	0.00	0.00	0.000	14.07	87.39	14.07	87.35
13Q0830W_2	13Q	G010YR24HR	14.23	13.44	-0.003	14.17	88.60	14.17	88.58
13Q0830W_2	13Q	G025YR24HR	14.43	19.89	-0.009	14.30	89.17	14.30	89.16
13Q0830W_2	13Q	G100YR24HR	14.07	21.28	-0.016	14.08	89.70	14.08	89.69
13Q0850D	13Q	G002YR24HR	12.97	2.46	0.000	12.97	87.92	14.03	87.53
13Q0850D	13Q	G010YR24HR	12.33	4.96	-0.003	12.82	88.04	13.21	88.04
13Q0850D	13Q	G025YR24HR	12.12	5.31	-0.005	12.79	88.15	12.80	88.15
13Q0850D	13Q	G100YR24HR	11.87	4.75	-0.005	22.67	88.34	22.62	88.34
13Q0860W	13Q	G002YR24HR	12.97	0.00	0.000	12.97	87.92	14.03	87.53
13Q0860W	13Q	G010YR24HR	12.54	4.68	-0.015	12.82	88.04	13.21	88.04
13Q0860W	13Q	G025YR24HR	12.24	7.06	-0.031	12.79	88.15	12.80	88.15
13Q0860W	13Q	G100YR24HR	11.97	5.64	-0.056	22.67	88.34	22.62	88.34
13Q0861S	13Q	G002YR24HR	13.10	2.44	0.125	14.03	87.53	14.09	87.37
13Q0861S	13Q	G010YR24HR	12.36	5.46	0.144	13.21	88.04	15.42	88.37

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q0861S	13Q	G025YR24HR	12.17	5.78	0.148	12.80	88.15	15.94	88.84
13Q0861S	13Q	G100YR24HR	27.37	4.96	-0.152	22.62	88.34	16.81	89.40
13Q0865S	13Q	G002YR24HR	15.29	3.73	0.745	14.09	87.37	14.09	87.35
13Q0865S	13Q	G010YR24HR	20.13	4.51	0.901	15.42	88.37	14.47	88.44
13Q0865S	13Q	G025YR24HR	20.08	6.36	0.889	15.94	88.84	14.64	88.96
13Q0865S	13Q	G100YR24HR	25.43	7.59	0.931	16.81	89.40	14.24	89.53
13Q0870D	13Q	G002YR24HR	15.98	5.50	-0.003	14.91	87.38	14.09	87.35
13Q0870D	13Q	G010YR24HR	20.54	9.89	-0.529	15.45	88.38	14.47	88.44
13Q0870D	13Q	G025YR24HR	23.34	10.08	0.455	15.97	88.85	14.64	88.96
13Q0870D	13Q	G100YR24HR	27.59	9.53	0.504	16.84	89.40	14.24	89.53
13Q0870W	13Q	G002YR24HR	0.00	0.00	0.000	14.91	87.38	14.09	87.37
13Q0870W	13Q	G010YR24HR	16.89	6.41	0.031	15.45	88.38	15.42	88.37
13Q0870W	13Q	G025YR24HR	19.13	9.18	-0.154	15.97	88.85	15.94	88.84
13Q0870W	13Q	G100YR24HR	21.43	9.86	0.362	16.84	89.40	16.81	89.40
13Q0875S	13Q	G002YR24HR	15.40	8.32	-0.145	14.09	87.35	14.07	87.35
13Q0875S	13Q	G010YR24HR	20.14	12.93	1.184	14.47	88.44	14.17	88.58
13Q0875S	13Q	G025YR24HR	22.93	13.01	1.210	14.64	88.96	14.30	89.16
13Q0875S	13Q	G100YR24HR	27.28	15.35	1.438	14.24	89.53	14.08	89.69
13Q0875W	13Q	G002YR24HR	0.00	0.00	0.000	14.09	87.35	14.07	87.35
13Q0875W	13Q	G010YR24HR	0.00	0.00	0.000	14.47	88.44	14.17	88.58
13Q0875W	13Q	G025YR24HR	0.00	0.00	0.000	14.64	88.96	14.30	89.16
13Q0875W	13Q	G100YR24HR	0.00	0.00	-0.001	14.24	89.53	14.08	89.69
13Q0880S	13Q	G002YR24HR	13.43	29.15	0.006	14.07	87.35	14.48	86.15
13Q0880S	13Q	G010YR24HR	14.03	32.58	1.436	14.17	88.58	14.33	86.65
13Q0880S	13Q	G025YR24HR	13.59	33.68	1.721	14.30	89.16	14.67	87.14
13Q0880S	13Q	G100YR24HR	11.89	32.44	1.921	14.08	89.69	14.61	87.96
13Q0885S	13Q	G002YR24HR	13.65	28.36	0.006	14.48	86.15	14.49	85.83
13Q0885S	13Q	G010YR24HR	14.10	32.54	0.488	14.33	86.65	14.41	86.23
13Q0885S	13Q	G025YR24HR	13.86	33.48	0.689	14.67	87.14	14.80	86.70
13Q0885S	13Q	G100YR24HR	13.43	31.32	0.751	14.61	87.96	14.71	87.60
13Q0890S	13Q	G002YR24HR	14.48	28.25	0.003	14.49	85.83	14.52	85.06
13Q0890S	13Q	G010YR24HR	14.16	32.51	0.005	14.41	86.23	16.29	85.30
13Q0890S	13Q	G025YR24HR	14.00	33.34	0.006	14.80	86.70	15.68	85.58
13Q0890S	13Q	G100YR24HR	13.50	31.06	-0.011	14.71	87.60	14.99	86.44
13Q0895S	13Q	G002YR24HR	14.50	28.25	-98.595	14.52	85.06	14.52	85.01
13Q0895S	13Q	G010YR24HR	14.18	32.47	-98.595	16.29	85.30	16.51	85.25
13Q0895S	13Q	G025YR24HR	14.04	33.28	-98.595	15.68	85.58	15.82	85.52
13Q0895S	13Q	G100YR24HR	12.76	31.86	-98.595	14.99	86.44	15.01	86.38
13Q0895W	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.06	14.52	85.01
13Q0895W	13Q	G010YR24HR	0.00	0.00	0.000	16.29	85.30	16.51	85.25
13Q0895W	13Q	G025YR24HR	0.00	0.00	0.000	15.68	85.58	15.82	85.52
13Q0895W	13Q	G100YR24HR	0.00	0.00	0.000	14.99	86.44	15.01	86.38
13Q0896W_1	13Q	G002YR24HR	14.52	27.05	0.004	14.52	85.01	16.32	84.28
13Q0896W_1	13Q	G010YR24HR	14.23	31.66	0.007	16.51	85.25	17.64	85.00
13Q0896W_1	13Q	G025YR24HR	14.11	32.68	0.005	15.82	85.52	16.12	85.37
13Q0896W_1	13Q	G100YR24HR	12.76	36.84	-12.326	15.01	86.38	15.05	86.29
13Q0896W_2	13Q	G002YR24HR	13.55	1.30	-0.411	14.52	85.01	16.32	84.28
13Q0896W_2	13Q	G010YR24HR	33.81	1.25	-0.411	16.51	85.25	17.64	85.00
13Q0896W_2	13Q	G025YR24HR	35.94	1.25	-0.411	15.82	85.52	16.12	85.37
13Q0896W_2	13Q	G100YR24HR	39.88	1.28	-0.411	15.01	86.38	15.05	86.29
13Q0896W_3	13Q	G002YR24HR	0.00	0.00	0.000	14.52	85.01	16.32	84.28
13Q0896W_3	13Q	G010YR24HR	0.00	0.00	0.000	16.51	85.25	17.64	85.00
13Q0896W_3	13Q	G025YR24HR	0.00	0.00	0.000	15.82	85.52	16.12	85.37
13Q0896W_3	13Q	G100YR24HR	0.00	0.00	0.000	15.01	86.38	15.05	86.29
13Q0924S	13Q	G002YR24HR	12.88	21.57	0.144	13.14	88.70	13.25	88.46
13Q0924S	13Q	G010YR24HR	12.23	18.54	0.142	13.13	89.61	13.13	89.59
13Q0924S	13Q	G025YR24HR	12.04	18.08	0.142	12.76	90.04	12.76	90.01
13Q0924S	13Q	G100YR24HR	11.81	18.86	-0.143	12.51	90.34	12.51	90.30
13Q0940S	13Q	G002YR24HR	13.37	25.12	0.179	13.25	88.46	12.94	88.19
13Q0940S	13Q	G010YR24HR	15.46	21.24	0.157	13.13	89.59	13.14	89.55
13Q0940S	13Q	G025YR24HR	12.16	16.36	0.157	12.76	90.01	12.75	89.97
13Q0940S	13Q	G100YR24HR	11.96	18.48	0.157	12.51	90.30	12.50	90.22
13Q2290S	13Q	G002YR24HR	12.77	1.86	-0.001	24.84	80.83	24.84	80.83
13Q2290S	13Q	G010YR24HR	17.14	6.33	0.001	17.84	83.28	17.87	83.11
13Q2290S	13Q	G025YR24HR	18.94	7.38	0.001	20.44	85.48	20.48	85.24
13Q2290S	13Q	G100YR24HR	12.82	9.40	0.002	22.70	88.33	22.74	88.01

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
13Q2291D	13Q	G002YR24HR	24.84	0.35	0.000	24.84	80.83	25.06	77.01
13Q2291D	13Q	G010YR24HR	17.83	6.30	0.000	17.87	83.11	17.94	78.23
13Q2291D	13Q	G025YR24HR	20.44	7.36	0.001	20.48	85.24	20.78	78.44
13Q2291D	13Q	G100YR24HR	22.71	8.60	0.003	22.74	88.01	22.79	78.81
13Q2291W	13Q	G002YR24HR	0.00	0.00	-0.000	24.84	80.83	12.97	87.92
13Q2291W	13Q	G010YR24HR	0.00	0.00	-0.001	17.84	83.28	12.82	88.04
13Q2291W	13Q	G025YR24HR	0.00	0.00	-0.002	20.44	85.48	12.79	88.15
13Q2291W	13Q	G100YR24HR	0.00	0.00	-0.005	22.70	88.33	22.67	88.34
13Q2292S	13Q	G002YR24HR	24.76	0.35	0.000	25.06	77.01	24.76	76.13
13Q2292S	13Q	G010YR24HR	17.85	6.30	0.001	17.94	78.23	17.85	77.08
13Q2292S	13Q	G025YR24HR	20.55	7.36	-0.002	20.78	78.44	15.89	77.40
13Q2292S	13Q	G100YR24HR	23.15	8.60	0.003	22.79	78.81	13.20	77.40
13Q2293S	13Q	G002YR24HR	24.53	0.36	0.004	16.52	76.06	16.45	76.05
13Q2293S	13Q	G010YR24HR	18.04	6.30	0.023	17.79	76.84	17.65	76.43
13Q2293S	13Q	G025YR24HR	20.54	7.36	0.026	20.18	77.02	19.81	76.52
13Q2293S	13Q	G100YR24HR	24.58	8.61	0.033	20.06	77.30	12.20	76.79
13Q2294W_1	13Q	G002YR24HR	24.51	0.38	0.004	16.45	76.05	16.42	76.05
13Q2294W_1	13Q	G010YR24HR	18.01	6.31	0.008	17.65	76.43	17.63	76.36
13Q2294W_1	13Q	G025YR24HR	20.48	7.37	0.007	19.81	76.52	12.41	76.50
13Q2294W_1	13Q	G100YR24HR	24.54	8.63	0.003	12.20	76.79	12.19	76.78
13Q2295S	13Q	G002YR24HR	24.50	0.39	-1.692	16.42	76.05	16.41	76.05
13Q2295S	13Q	G010YR24HR	17.98	6.31	-2.805	17.63	76.36	12.51	76.32
13Q2295S	13Q	G025YR24HR	20.44	7.37	-2.989	12.41	76.50	12.34	76.51
13Q2295S	13Q	G100YR24HR	24.53	8.65	-2.782	12.19	76.78	12.18	76.78
13Q2295W	13Q	G002YR24HR	16.41	1.44	0.000	16.41	76.05	24.38	57.96
13Q2295W	13Q	G010YR24HR	12.49	17.09	0.007	12.49	76.33	21.47	59.08
13Q2295W	13Q	G025YR24HR	12.29	33.49	0.016	12.29	76.52	19.92	59.78
13Q2295W	13Q	G100YR24HR	12.18	60.63	0.015	12.18	76.78	20.52	61.09
13Q2296S	13Q	G002YR24HR	24.50	0.41	-1.107	16.41	76.05	16.41	76.05
13Q2296S	13Q	G010YR24HR	17.94	6.31	-2.072	12.51	76.32	12.49	76.33
13Q2296S	13Q	G025YR24HR	20.40	7.37	-2.586	12.34	76.51	12.29	76.52
13Q2296S	13Q	G100YR24HR	24.51	8.67	-2.554	12.18	76.78	12.18	76.78
A_ALTON	13A	G002YR24HR	0.00	0.00	0.000	14.94	17.01	15.04	15.92
A_ALTON	13A	G010YR24HR	15.03	67.10	0.008	15.03	20.09	15.30	17.34
A_ALTON	13A	G025YR24HR	15.10	249.49	0.013	15.10	20.77	15.43	18.06
A_ALTON	13A	G100YR24HR	15.44	517.08	0.055	15.44	21.51	15.96	19.03
A_COSTA	13A	G002YR24HR	0.00	0.00	0.000	14.32	31.19	14.35	30.62
A_COSTA	13A	G010YR24HR	14.28	27.53	0.004	14.28	32.68	13.62	31.85
A_COSTA	13A	G025YR24HR	14.14	229.12	0.018	14.14	33.38	14.19	32.59
A_COSTA	13A	G100YR24HR	13.95	666.13	0.065	13.95	34.09	14.08	33.64
A_EDGEM1	13A	G002YR24HR	0.00	0.00	0.000	12.64	39.08	12.64	38.98
A_EDGEM1	13A	G010YR24HR	12.76	8.69	0.003	12.76	40.32	12.74	40.10
A_EDGEM1	13A	G025YR24HR	12.83	73.98	0.018	12.83	40.85	12.79	40.62
A_EDGEM1	13A	G100YR24HR	13.09	177.63	0.042	12.98	41.50	12.88	41.27
A_EDGEM2	13A	G002YR24HR	15.40	3.17	0.000	15.40	50.51	13.10	42.83
A_EDGEM2	13A	G010YR24HR	12.64	24.82	0.007	12.64	50.88	13.08	44.80
A_EDGEM2	13A	G025YR24HR	12.45	44.93	0.012	12.45	51.12	13.27	46.43
A_EDGEM2	13A	G100YR24HR	12.34	80.08	0.014	12.34	51.47	13.65	48.43
A_FOOTBR	13A	G002YR24HR	0.00	0.00	0.000	14.42	29.73	14.43	29.50
A_FOOTBR	13A	G010YR24HR	0.00	0.00	0.000	13.62	31.39	14.35	31.11
A_FOOTBR	13A	G025YR24HR	14.20	27.09	0.004	14.20	32.08	14.21	31.81
A_FOOTBR	13A	G100YR24HR	14.15	395.36	0.036	14.17	33.18	14.24	32.96
A_HAYES	13A	G002YR24HR	0.00	0.00	0.000	14.58	26.07	14.60	25.32
A_HAYES	13A	G010YR24HR	14.59	154.84	0.026	14.59	27.55	14.69	26.64
A_HAYES	13A	G025YR24HR	14.66	480.69	0.043	14.66	28.08	14.81	27.64
A_HAYES	13A	G100YR24HR	14.10	1024.10	0.108	15.14	30.63	15.14	30.61
A_LAURA	13A	G002YR24HR	0.00	0.00	0.000	34.31	50.01	34.44	49.33
A_LAURA	13A	G010YR24HR	0.00	0.00	0.000	32.24	51.42	32.37	50.72
A_LAURA	13A	G025YR24HR	0.00	0.00	0.000	30.72	52.46	30.86	51.71
A_LAURA	13A	G100YR24HR	26.53	165.63	-0.004	26.53	53.41	26.52	52.93
A_MOSS	13A	G002YR24HR	12.61	143.39	0.036	12.91	37.68	12.92	37.65
A_MOSS	13A	G010YR24HR	12.60	283.28	0.051	13.06	38.53	13.07	38.49
A_MOSS	13A	G025YR24HR	12.43	378.08	0.048	13.10	39.03	13.12	38.98
A_MOSS	13A	G100YR24HR	12.33	508.20	0.087	13.19	39.73	13.20	39.67
A_MURPHY	13A	G002YR24HR	0.00	0.00	0.000	12.67	39.99	12.67	39.90

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
A_MURPHY	13A	G010YR24HR	0.00	0.00	0.000	12.82	41.04	12.81	40.95
A_MURPHY	13A	G025YR24HR	0.00	0.00	0.000	12.93	41.56	12.92	41.47
A_MURPHY	13A	G100YR24HR	0.00	0.00	0.000	13.17	42.52	13.13	42.11
A_TRADEW	13A	G002YR24HR	0.00	0.00	0.000	15.40	50.51	18.66	45.43
A_TRADEW	13A	G010YR24HR	12.64	15.81	0.005	12.64	50.88	20.41	47.13
A_TRADEW	13A	G025YR24HR	12.45	33.69	0.010	12.45	51.12	22.28	47.85
A_TRADEW	13A	G100YR24HR	12.34	66.24	0.013	12.34	51.47	24.43	48.97
C_ALTON	13C	G002YR24HR	0.00	0.00	0.000	15.11	17.31	15.22	16.96
C_ALTON	13C	G010YR24HR	15.15	9.17	0.001	15.15	19.56	15.39	17.78
C_ALTON	13C	G025YR24HR	14.65	107.44	0.012	14.65	19.95	15.40	18.34
C_ALTON	13C	G100YR24HR	14.32	306.40	0.055	14.32	20.30	17.69	19.36
C_HAYES	13C	G002YR24HR	0.00	0.00	0.000	13.16	31.96	13.48	31.28
C_HAYES	13C	G010YR24HR	0.00	0.00	0.000	13.24	32.79	13.62	31.52
C_HAYES	13C	G025YR24HR	0.00	0.00	0.000	13.37	33.32	13.58	31.66
C_HAYES	13C	G100YR24HR	13.35	8.30	0.002	13.35	34.14	13.47	31.90
C_JEEP	13C	G002YR24HR	15.70	104.81	0.009	15.65	15.73	15.54	15.36
C_JEEP	13C	G010YR24HR	16.47	218.11	0.011	15.85	16.99	15.68	16.65
C_JEEP	13C	G025YR24HR	17.71	284.65	0.012	15.86	17.78	15.76	17.44
C_JEEP	13C	G100YR24HR	22.22	552.41	0.013	18.08	19.03	16.22	18.55
C_SHORE	13C	G002YR24HR	0.00	0.00	0.000	13.55	28.88	13.58	28.08
C_SHORE	13C	G010YR24HR	13.62	37.05	0.006	13.62	30.13	13.62	28.72
C_SHORE	13C	G025YR24HR	13.23	113.21	0.019	13.23	30.35	13.21	29.15
C_SHORE	13C	G100YR24HR	12.99	229.54	0.040	12.99	30.58	12.92	29.60
D_FLAMIN	13D	G002YR24HR	0.00	0.00	0.000	12.40	40.26	12.35	39.00
D_FLAMIN	13D	G010YR24HR	12.25	63.71	0.064	12.25	41.54	12.25	39.56
D_FLAMIN	13D	G025YR24HR	12.22	127.75	0.104	12.22	41.70	12.23	39.89
D_FLAMIN	13D	G100YR24HR	12.21	236.90	0.114	12.21	41.90	12.21	40.28
D_MOSS1	13D	G002YR24HR	0.00	0.00	0.000	12.31	37.15	12.36	33.44
D_MOSS1	13D	G010YR24HR	0.00	0.00	0.000	12.23	37.45	12.27	34.73
D_MOSS1	13D	G025YR24HR	0.00	0.00	0.000	12.20	37.62	12.26	35.38
D_MOSS1	13D	G100YR24HR	0.00	0.00	0.000	12.22	38.07	12.25	36.24
D_MOSS2	13D	G002YR24HR	12.34	81.09	0.100	12.34	38.82	12.36	33.44
D_MOSS2	13D	G010YR24HR	12.25	229.89	0.121	12.25	39.26	12.27	34.73
D_MOSS2	13D	G025YR24HR	12.24	330.09	0.116	12.24	39.50	12.26	35.38
D_MOSS2	13D	G100YR24HR	12.22	510.42	0.132	12.22	39.88	12.25	36.24
D_MOSS3	13D	G002YR24HR	12.37	99.16	0.126	12.35	38.92	12.34	38.82
D_MOSS3	13D	G010YR24HR	12.26	207.80	0.140	12.25	39.38	12.25	39.26
D_MOSS3	13D	G025YR24HR	12.23	280.07	0.134	12.23	39.64	12.24	39.50
D_MOSS3	13D	G100YR24HR	12.22	407.11	-0.167	12.22	40.05	12.22	39.88
F_EDGEMO	13F	G002YR24HR	0.00	0.00	0.000	12.92	50.76	13.10	42.83
F_EDGEMO	13F	G010YR24HR	0.00	0.00	0.000	12.78	50.99	13.08	44.80
F_EDGEMO	13F	G025YR24HR	12.67	0.57	0.000	12.67	51.09	13.27	46.43
F_EDGEMO	13F	G100YR24HR	12.50	4.64	0.001	12.50	51.21	13.65	48.43
F_LAKE1	13F	G002YR24HR	0.00	0.00	0.000	29.00	62.88	12.98	55.23
F_LAKE1	13F	G010YR24HR	17.80	3.57	0.000	17.80	63.60	12.30	55.45
F_LAKE1	13F	G025YR24HR	14.62	14.82	0.002	14.62	63.69	16.79	55.72
F_LAKE1	13F	G100YR24HR	13.44	41.97	0.010	13.44	63.83	17.00	56.78
F_LAKE2	13F	G002YR24HR	0.00	0.00	0.000	17.70	64.97	12.98	55.23
F_LAKE2	13F	G010YR24HR	0.00	0.00	0.000	12.66	65.10	12.30	55.45
F_LAKE2	13F	G025YR24HR	22.52	2.85	0.000	22.52	65.50	16.79	55.72
F_LAKE2	13F	G100YR24HR	13.54	24.91	0.008	13.54	65.65	17.00	56.78
F_LAKE3	13F	G002YR24HR	0.00	0.00	0.000	72.00	60.78	12.98	55.23
F_LAKE3	13F	G010YR24HR	0.00	0.00	0.000	72.00	64.17	12.30	55.45
F_LAKE3	13F	G025YR24HR	0.00	0.00	0.000	22.52	65.50	16.79	55.72
F_LAKE3	13F	G100YR24HR	0.00	0.00	0.000	13.54	65.66	17.00	56.78
F_MURPHY	13F	G002YR24HR	12.92	2.44	0.000	12.92	50.76	25.36	46.93
F_MURPHY	13F	G010YR24HR	12.78	19.19	0.003	12.78	50.99	25.90	47.65
F_MURPHY	13F	G025YR24HR	12.67	35.66	0.006	12.67	51.09	24.58	48.02
F_MURPHY	13F	G100YR24HR	12.50	63.47	0.011	12.50	51.21	20.11	48.37
F_SEVENT	13F	G002YR24HR	0.00	0.00	0.000	25.36	46.93	24.91	46.03
F_SEVENT	13F	G010YR24HR	0.00	0.00	0.000	25.90	47.65	32.20	46.40
F_SEVENT	13F	G025YR24HR	24.58	13.43	0.000	24.58	48.02	24.99	46.89
F_SEVENT	13F	G100YR24HR	20.11	64.41	0.002	20.11	48.37	24.33	47.61
I_CHURCH	13I	G002YR24HR	0.00	0.00	0.000	25.50	71.57	12.78	62.42
I_CHURCH	13I	G010YR24HR	0.00	0.00	0.000	25.50	72.12	12.72	64.49
I_CHURCH	13I	G025YR24HR	0.00	0.00	0.000	25.50	72.50	12.63	64.65

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
I_CHURCH	13I	G100YR24HR	0.00	0.00	0.000	25.50	73.14	12.65	64.84
I_CR434	13I	G002YR24HR	0.00	0.00	0.000	12.78	62.42	13.26	60.07
I_CR434	13I	G010YR24HR	12.72	72.72	0.047	12.72	64.49	19.91	60.63
I_CR434	13I	G025YR24HR	12.63	174.33	0.110	12.63	64.65	20.48	61.50
I_CR434	13I	G100YR24HR	12.65	363.77	0.171	12.65	64.84	19.34	62.86
I_EAST	13I	G002YR24HR	13.69	3.89	0.003	13.69	62.67	26.43	62.60
I_EAST	13I	G010YR24HR	12.67	23.33	0.058	24.25	63.17	24.31	63.17
I_EAST	13I	G025YR24HR	12.51	41.87	0.058	17.81	63.29	17.86	63.28
I_EAST	13I	G100YR24HR	12.39	76.47	0.058	14.03	63.54	14.01	63.53
I_GRANT	13I	G002YR24HR	13.62	9.41	0.001	13.62	65.72	12.78	62.42
I_GRANT	13I	G010YR24HR	13.19	61.24	0.009	13.19	66.15	12.72	64.49
I_GRANT	13I	G025YR24HR	13.01	95.60	0.014	13.01	66.32	12.63	64.65
I_GRANT	13I	G100YR24HR	12.98	164.82	0.023	12.98	66.59	12.65	64.84
I_MAGNOL	13I	G002YR24HR	0.00	0.00	0.000	25.50	73.89	12.78	62.42
I_MAGNOL	13I	G010YR24HR	0.00	0.00	0.000	25.50	74.98	12.72	64.49
I_MAGNOL	13I	G025YR24HR	18.64	3.27	0.000	18.64	75.30	12.63	64.65
I_MAGNOL	13I	G100YR24HR	12.94	26.25	0.008	12.94	75.46	12.65	64.84
I_WILDME	13I	G002YR24HR	0.00	0.00	0.000	19.08	59.22	19.18	59.12
I_WILDME	13I	G010YR24HR	0.00	0.00	0.000	20.08	60.62	20.02	60.08
I_WILDME	13I	G025YR24HR	20.50	35.30	0.001	20.50	61.49	20.55	60.81
I_WILDME	13I	G100YR24HR	19.05	155.68	0.028	19.37	62.86	19.37	62.84
J_CR427	13J	G002YR24HR	0.00	0.00	0.000	16.39	77.81	15.95	77.46
J_CR427	13J	G010YR24HR	0.00	0.00	0.000	16.33	78.65	15.50	78.09
J_CR427	13J	G025YR24HR	0.00	0.00	0.000	16.47	79.30	15.47	78.34
J_CR427	13J	G100YR24HR	0.00	0.00	0.000	17.10	80.24	16.57	78.65
J_GRANT	13J	G002YR24HR	0.00	0.00	0.000	12.36	60.44	27.01	53.96
J_GRANT	13J	G010YR24HR	12.25	28.29	0.016	12.25	61.49	30.38	55.31
J_GRANT	13J	G025YR24HR	12.21	57.49	0.018	12.21	61.66	33.16	56.45
J_GRANT	13J	G100YR24HR	12.18	106.30	0.024	12.18	61.87	33.96	58.51
J_MARVIN	13J	G002YR24HR	0.00	0.00	0.000	12.51	71.55	12.84	68.23
J_MARVIN	13J	G010YR24HR	0.00	0.00	0.000	12.21	72.22	12.84	68.86
J_MARVIN	13J	G025YR24HR	0.00	0.00	0.000	13.09	72.88	13.05	71.77
J_MARVIN	13J	G100YR24HR	12.92	5.51	0.042	12.92	74.58	12.88	73.24
J_OLEAND	13J	G002YR24HR	0.00	0.00	0.000	15.17	76.22	15.24	75.26
J_OLEAND	13J	G010YR24HR	13.39	16.86	0.003	13.39	76.75	13.64	76.24
J_OLEAND	13J	G025YR24HR	12.93	34.46	0.007	12.93	76.84	12.99	76.50
J_OLEAND	13J	G100YR24HR	12.86	58.13	0.011	12.86	76.93	12.92	76.65
J_OVERST	13J	G002YR24HR	0.00	0.00	0.000	15.24	75.07	15.28	74.25
J_OVERST	13J	G010YR24HR	13.64	0.67	0.000	13.64	76.22	13.66	75.15
J_OVERST	13J	G025YR24HR	12.99	37.63	0.009	12.99	76.47	13.01	76.18
J_OVERST	13J	G100YR24HR	12.90	73.74	0.024	12.91	76.61	12.91	76.56
J_TULLIS	13J	G002YR24HR	0.00	0.00	0.000	15.83	76.86	15.68	76.65
J_TULLIS	13J	G010YR24HR	0.00	0.00	0.000	14.11	77.42	13.88	77.08
J_TULLIS	13J	G025YR24HR	13.73	0.52	0.000	13.73	77.61	13.48	77.19
J_TULLIS	13J	G100YR24HR	13.03	18.68	0.004	13.03	77.84	13.12	77.42
J_WILDME	13J	G002YR24HR	0.00	0.00	0.000	15.62	76.61	15.18	76.23
J_WILDME	13J	G010YR24HR	0.00	0.00	0.000	13.76	77.06	13.40	76.76
J_WILDME	13J	G025YR24HR	0.00	0.00	0.000	13.43	77.17	12.93	76.84
J_WILDME	13J	G100YR24HR	0.00	0.00	0.000	13.11	77.41	12.87	76.94
K_#1792N	13K	G002YR24HR	0.00	0.00	0.000	12.24	61.68	12.26	60.27
K_#1792N	13K	G010YR24HR	0.00	0.00	0.000	12.61	63.02	12.15	60.85
K_#1792N	13K	G025YR24HR	15.92	9.79	0.003	15.92	64.46	12.10	60.90
K_#1792N	13K	G100YR24HR	13.75	152.05	0.027	13.75	65.02	13.74	61.21
K_#1792S	13K	G002YR24HR	0.00	0.00	0.000	12.23	62.69	12.24	61.68
K_#1792S	13K	G010YR24HR	0.00	0.00	0.000	12.80	64.37	12.61	63.02
K_#1792S	13K	G025YR24HR	15.88	45.38	0.002	15.88	65.25	15.92	64.46
K_#1792S	13K	G100YR24HR	13.72	192.29	0.022	13.72	65.73	13.75	65.02
K_GOLDEN	13K	G002YR24HR	0.00	0.00	0.000	12.85	63.37	12.23	62.69
K_GOLDEN	13K	G010YR24HR	13.55	38.88	0.074	12.81	64.40	12.80	64.37
K_GOLDEN	13K	G025YR24HR	15.90	45.36	0.190	15.88	65.26	15.88	65.25
K_GOLDEN	13K	G100YR24HR	13.68	98.63	0.553	13.72	65.76	13.72	65.73
K_GRIFF1	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	18.51	74.72
K_GRIFF1	13K	G010YR24HR	0.00	0.00	0.000	16.24	76.23	16.01	75.07
K_GRIFF1	13K	G025YR24HR	14.76	1.71	0.000	14.76	76.51	14.67	75.13
K_GRIFF1	13K	G100YR24HR	13.59	31.22	0.004	13.59	76.86	13.60	75.46

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
K_GRIFF2	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.23	62.69
K_GRIFF2	13K	G010YR24HR	16.24	2.73	0.000	16.24	76.23	12.80	64.37
K_GRIFF2	13K	G025YR24HR	14.76	25.79	0.002	14.76	76.51	15.88	65.25
K_GRIFF2	13K	G100YR24HR	13.59	71.41	0.009	13.59	76.86	13.72	65.73
K_GRIFF3	13K	G002YR24HR	0.00	0.00	0.000	18.25	75.48	12.25	73.73
K_GRIFF3	13K	G010YR24HR	16.24	1.59	0.000	16.24	76.23	12.15	74.31
K_GRIFF3	13K	G025YR24HR	14.76	15.04	0.001	14.76	76.51	12.14	74.57
K_GRIFF3	13K	G100YR24HR	13.59	41.66	0.005	13.59	76.86	12.12	74.94
K_SEMINO	13K	G002YR24HR	0.00	0.00	0.000	12.26	60.27	33.77	51.65
K_SEMINO	13K	G010YR24HR	12.15	11.12	0.019	12.15	60.85	31.64	52.72
K_SEMINO	13K	G025YR24HR	12.10	23.02	0.034	12.10	60.90	30.19	53.25
K_SEMINO	13K	G100YR24HR	13.74	161.17	0.041	13.74	61.21	26.27	53.93
K_SLUMBE	13K	G002YR24HR	0.00	0.00	0.000	12.94	64.69	12.85	63.37
K_SLUMBE	13K	G010YR24HR	0.00	0.00	0.000	13.69	66.48	12.81	64.40
K_SLUMBE	13K	G025YR24HR	15.54	11.61	0.002	15.54	67.87	15.88	65.26
K_SLUMBE	13K	G100YR24HR	13.33	66.72	0.016	13.33	68.13	13.72	65.76
L_CGC12	13L	G002YR24HR	0.00	0.00	0.000	12.66	54.90	12.72	54.48
L_CGC12	13L	G010YR24HR	0.00	0.00	0.000	13.10	55.84	13.10	55.25
L_CGC12	13L	G025YR24HR	13.85	32.67	0.005	13.85	56.28	13.88	55.69
L_CGC12	13L	G100YR24HR	13.78	298.68	0.032	13.74	57.03	13.73	56.94
L_CGC13	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC13	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC13	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC13	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G002YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G010YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G025YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_CGC14	13L	G100YR24HR	0.00	0.00	0.000	0.00	0.00	0.00	0.00
L_KATHRY	13L	G002YR24HR	0.00	0.00	0.000	12.10	53.44	33.77	51.65
L_KATHRY	13L	G010YR24HR	12.08	0.11	-0.000	12.08	54.08	31.64	52.72
L_KATHRY	13L	G025YR24HR	12.08	1.31	0.001	12.08	54.15	30.19	53.25
L_KATHRY	13L	G100YR24HR	14.34	25.81	0.002	14.34	54.50	26.27	53.93
L_NTRIPL	13L	G002YR24HR	14.70	1.08	0.000	14.70	54.65	29.35	52.06
L_NTRIPL	13L	G010YR24HR	13.06	28.07	0.005	13.06	54.93	27.15	53.25
L_NTRIPL	13L	G025YR24HR	12.80	49.58	0.011	12.80	55.03	27.32	54.00
L_NTRIPL	13L	G100YR24HR	12.60	87.14	-0.116	12.60	55.17	27.26	55.07
L_OXFORD	13L	G002YR24HR	0.00	0.00	0.000	15.96	71.18	12.94	70.81
L_OXFORD	13L	G010YR24HR	0.00	0.00	0.000	12.95	72.43	13.54	71.74
L_OXFORD	13L	G025YR24HR	12.92	13.87	0.004	12.92	73.86	13.88	72.95
L_OXFORD	13L	G100YR24HR	12.98	161.97	0.041	12.99	74.62	13.42	74.40
P_MORSE	13P	G002YR24HR	23.77	0.86	-0.000	23.77	89.63	12.79	87.74
P_MORSE	13P	G010YR24HR	13.26	9.20	0.001	13.26	89.79	14.73	88.42
P_MORSE	13P	G025YR24HR	12.80	25.93	0.004	12.80	89.95	16.90	89.05
P_MORSE	13P	G100YR24HR	12.48	75.82	0.016	12.48	90.14	15.62	90.05
P_NTRIPL	13P	G002YR24HR	0.00	0.00	0.000	12.14	55.56	0.00	54.10
P_NTRIPL	13P	G010YR24HR	0.00	0.00	0.000	20.20	56.09	22.07	54.52
P_NTRIPL	13P	G025YR24HR	0.00	0.00	0.000	16.54	56.35	22.74	54.82
P_NTRIPL	13P	G100YR24HR	0.00	0.00	0.000	13.86	57.04	24.30	55.26
P_SOUTHC	13P	G002YR24HR	0.00	0.00	0.000	12.64	75.68	12.73	74.84
P_SOUTHC	13P	G010YR24HR	0.00	0.00	0.000	12.55	76.03	12.59	75.22
P_SOUTHC	13P	G025YR24HR	0.00	0.00	0.000	12.59	76.29	12.62	75.51
P_SOUTHC	13P	G100YR24HR	0.00	0.00	0.000	12.58	76.70	12.64	75.85
POND1D	13P	G002YR24HR	0.00	0.00	0.000	72.00	69.77	0.00	59.00
POND1D	13P	G010YR24HR	20.21	15.93	0.000	20.21	70.49	20.23	59.48
POND1D	13P	G025YR24HR	16.52	24.55	0.001	16.52	70.66	16.54	59.61
POND1D	13P	G100YR24HR	13.83	52.86	0.006	13.83	71.10	13.85	59.96
POND2D	13L	G002YR24HR	12.58	35.46	1.058	12.64	52.39	29.35	52.06
POND2D	13L	G010YR24HR	12.71	49.47	0.017	12.88	54.23	27.15	53.25
POND2D	13L	G025YR24HR	12.84	53.89	0.017	12.98	55.16	27.32	54.00
POND2D	13L	G100YR24HR	12.81	59.05	-0.017	13.04	56.46	27.26	55.07
POND5D	13N	G002YR24HR	12.55	27.59	0.005	12.55	62.05	12.62	57.52
POND5D	13N	G010YR24HR	12.62	42.22	0.007	12.64	62.69	12.67	58.57
POND5D	13N	G025YR24HR	12.17	41.68	0.008	12.88	63.21	13.48	59.47
POND5D	13N	G100YR24HR	12.01	41.40	0.009	13.25	63.49	14.23	60.18
POND8B_W	13L	G002YR24HR	0.00	0.00	0.000	13.12	56.91	19.85	55.74
POND8B_W	13L	G010YR24HR	0.00	0.00	0.000	13.27	57.88	15.72	56.58

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
POND8B_W	13L	G025YR24HR	13.06	30.25	0.007	13.06	58.23	15.11	56.98
POND8B_W	13L	G100YR24HR	14.01	138.00	0.026	14.01	58.62	15.08	57.95
POND8P	13L	G002YR24HR	12.90	135.78	0.658	13.12	56.91	13.32	56.44
POND8P	13L	G010YR24HR	13.23	202.74	0.650	13.27	57.88	13.42	56.77
POND8P	13L	G025YR24HR	13.00	224.72	0.649	13.06	58.23	15.04	57.12
POND8P	13L	G100YR24HR	12.60	240.53	0.649	14.01	58.62	15.07	58.00
POND8W	13L	G002YR24HR	13.32	123.13	0.011	13.32	56.44	16.31	55.80
POND8W	13L	G010YR24HR	13.42	182.69	0.016	13.42	56.77	15.70	56.57
POND8W	13L	G025YR24HR	12.94	200.84	0.016	15.04	57.12	15.11	56.98
POND8W	13L	G100YR24HR	12.41	221.00	-0.025	15.07	58.00	15.09	57.94
Q_ANCHO1	13Q	G002YR24HR	0.00	0.00	0.000	12.94	88.19	14.05	87.39
Q_ANCHO1	13Q	G010YR24HR	13.14	12.41	0.003	13.14	89.55	14.17	88.60
Q_ANCHO1	13Q	G025YR24HR	12.75	30.67	0.006	12.75	89.97	14.29	89.17
Q_ANCHO1	13Q	G100YR24HR	12.50	44.34	0.013	12.50	90.22	14.07	89.70
Q_OAK	13Q	G002YR24HR	0.00	0.00	0.000	13.25	88.46	12.94	88.19
Q_OAK	13Q	G010YR24HR	13.01	36.51	0.012	13.13	89.59	13.14	89.55
Q_OAK	13Q	G025YR24HR	12.77	70.63	0.021	12.76	90.01	12.75	89.97
Q_OAK	13Q	G100YR24HR	12.56	121.97	0.040	12.51	90.30	12.50	90.22
Q_PINE	13Q	G002YR24HR	13.14	3.96	0.001	13.14	88.70	13.25	88.46
Q_PINE	13Q	G010YR24HR	12.64	44.39	0.019	13.13	89.61	13.13	89.59
Q_PINE	13Q	G025YR24HR	12.73	67.42	0.025	12.76	90.04	12.76	90.01
Q_PINE	13Q	G100YR24HR	12.55	110.28	0.026	12.51	90.34	12.51	90.30

Appendix E
Design Conditions
(Hydrologic & Hydraulic Model Data)

E.12 Node Max Comparison Report – Scenario 3

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
12-01-02	12	G002YR24HR	15.83	15.96	0.00	0.0012	27	0.00	0.00	20.23	94.52
12-01-02	12	G010YR24HR	16.67	17.33	0.00	0.0012	27	0.00	0.00	25.17	152.86
12-01-02	12	G025YR24HR	17.17	18.14	0.00	0.0012	27	0.00	0.00	27.60	214.40
12-01-02	12	G100YR24HR	22.17	19.86	0.00	0.0012	27	0.00	0.00	22.17	520.10
13A0100N	13A	G002YR24HR	15.37	10.21	0.00	0.0001	19257	15.35	587.11	15.37	587.10
13A0100N	13A	G010YR24HR	15.60	11.75	0.00	0.0002	60595	15.54	1008.53	15.60	1008.40
13A0100N	13A	G025YR24HR	15.68	12.69	0.00	0.0002	67052	15.62	1277.32	15.68	1277.15
13A0100N	13A	G100YR24HR	15.90	13.60	0.00	0.0003	84339	15.89	1661.56	15.90	1661.99
13A0300N	13A	G002YR24HR	15.36	10.69	0.00	0.0001	23428	15.33	586.01	15.35	585.97
13A0300N	13A	G010YR24HR	15.58	12.40	0.00	0.0002	26747	15.51	1006.98	15.54	1006.88
13A0300N	13A	G025YR24HR	15.66	13.39	0.00	0.0003	28356	15.60	1275.45	15.62	1275.34
13A0300N	13A	G100YR24HR	15.90	14.48	0.00	0.0003	31315	15.89	1659.14	15.90	1659.13
13A0500N	13A	G002YR24HR	15.37	10.87	22.78	-0.0002	11731	15.38	570.49	15.39	570.50
13A0500N	13A	G010YR24HR	15.58	12.60	22.78	0.0002	20493	15.61	979.85	15.63	979.90
13A0500N	13A	G025YR24HR	15.67	13.61	22.78	0.0003	22432	15.70	1240.12	15.73	1240.21
13A0500N	13A	G100YR24HR	15.93	14.73	22.78	0.0003	25680	16.15	1613.07	16.17	1613.25
13A0600N	13A	G002YR24HR	15.37	11.41	9.75	-0.0004	14404	15.36	570.49	15.38	570.49
13A0600N	13A	G010YR24HR	15.59	13.27	9.75	-0.0008	22455	17.07	986.18	15.61	979.85
13A0600N	13A	G025YR24HR	15.68	14.30	9.75	0.0008	24261	15.68	1240.09	15.70	1240.12
13A0600N	13A	G100YR24HR	16.04	15.57	9.75	0.0008	24261	16.13	1612.96	16.15	1613.07
13A0725N	13A	G002YR24HR	12.83	16.60	0.00	0.0002	523	12.82	19.66	12.83	19.65
13A0725N	13A	G010YR24HR	13.60	17.15	0.00	-0.0004	451	13.13	23.62	13.12	23.62
13A0725N	13A	G025YR24HR	14.26	18.35	0.00	-0.0008	451	12.46	24.73	12.46	24.71
13A0725N	13A	G100YR24HR	14.71	20.31	0.00	-0.0005	451	12.08	26.91	12.05	26.47
13A0735P	13A	G002YR24HR	12.85	19.49	24.95	0.0000	39537	12.58	20.31	12.85	18.92
13A0735P	13A	G010YR24HR	13.35	20.30	24.95	0.0001	43317	12.58	34.95	13.18	22.89
13A0735P	13A	G025YR24HR	13.81	21.30	24.95	0.0001	47958	12.58	45.28	13.20	22.45
13A0735P	13A	G100YR24HR	14.41	23.30	24.95	0.0002	57232	12.58	63.35	13.76	22.37
13A0800N	13A	G002YR24HR	15.37	11.49	9.65	0.0004	53009	15.31	567.03	15.38	566.88
13A0800N	13A	G010YR24HR	15.59	13.53	9.65	0.0004	57492	15.53	974.49	17.07	982.49
13A0800N	13A	G025YR24HR	15.68	14.83	9.65	0.0004	59239	15.62	1233.43	15.70	1233.30
13A0800N	13A	G100YR24HR	16.08	16.47	9.65	0.0006	66505	16.09	1604.51	16.17	1604.74
13A0820P	13A	G002YR24HR	13.88	22.12	0.00	0.0000	60592	13.75	18.78	13.88	18.71
13A0820P	13A	G010YR24HR	13.84	22.20	0.00	0.0000	61651	13.75	31.80	13.84	31.71
13A0820P	13A	G025YR24HR	13.82	22.24	0.00	0.0000	62310	13.75	40.99	13.82	40.89
13A0820P	13A	G100YR24HR	13.80	22.31	0.00	0.0000	63359	13.75	57.11	13.80	56.99
13A0900N	13A	G002YR24HR	15.40	14.37	11.65	0.0003	78751	15.31	546.27	15.40	545.96
13A0900N	13A	G010YR24HR	15.65	15.94	11.65	0.0003	84797	15.59	941.94	15.67	941.80
13A0900N	13A	G025YR24HR	15.72	16.84	11.65	0.0003	87638	15.67	1183.37	15.74	1183.32
13A0900N	13A	G100YR24HR	16.16	18.07	11.65	0.0003	90091	16.19	1546.29	16.30	1546.70
13A0950N	13A	G002YR24HR	15.36	15.01	0.00	0.0004	68168	15.24	546.80	15.31	546.27
13A0950N	13A	G010YR24HR	15.63	16.50	0.00	0.0004	79839	15.53	942.39	15.59	941.94
13A0950N	13A	G025YR24HR	15.70	17.34	0.00	0.0004	81904	15.60	1183.77	15.67	1183.37
13A0950N	13A	G100YR24HR	16.16	18.46	0.00	0.0004	81999	16.11	1546.35	16.19	1546.29
13A1000N	13A	G002YR24HR	15.32	15.09	12.55	0.0003	43849	14.85	382.33	14.90	380.67
13A1000N	13A	G010YR24HR	15.60	16.56	12.55	0.0003	70228	14.86	676.63	14.93	672.86
13A1000N	13A	G025YR24HR	15.68	17.39	12.55	0.0003	85118	14.87	861.10	14.99	856.12

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A1000N	13A	G100YR24HR	16.15	18.50	12.55	0.0003	86832	14.85	1114.85	14.98	1109.80
13A1100N	13A	G002YR24HR	15.04	15.92	18.35	0.0003	23008	14.83	379.33	14.86	378.88
13A1100N	13A	G010YR24HR	15.30	17.34	18.35	0.0002	31327	14.86	671.03	14.89	670.09
13A1100N	13A	G025YR24HR	15.43	18.06	18.35	0.0003	36543	14.89	853.62	14.92	852.38
13A1100N	13A	G100YR24HR	15.96	19.03	18.35	0.0002	41685	14.92	1103.81	14.97	1102.22
13A1300N	13A	G002YR24HR	14.94	17.01	14.25	0.0004	18998	14.81	371.99	14.86	371.53
13A1300N	13A	G010YR24HR	15.03	20.09	14.25	0.0005	40067	14.88	657.79	14.93	657.34
13A1300N	13A	G025YR24HR	15.10	20.77	14.25	0.0005	59944	14.93	836.44	14.98	835.91
13A1300N	13A	G100YR24HR	15.44	21.51	14.25	0.0006	60684	15.10	1080.01	15.13	1079.57
13A1400N	13A	G002YR24HR	14.88	18.45	22.05	0.0003	16041	14.79	370.08	14.83	369.88
13A1400N	13A	G010YR24HR	14.98	20.80	22.05	0.0004	27078	14.87	654.73	14.91	654.50
13A1400N	13A	G025YR24HR	15.03	21.50	22.05	0.0005	35034	14.94	832.59	14.97	832.42
13A1400N	13A	G100YR24HR	15.32	22.24	22.05	0.0007	37257	15.14	1075.30	15.17	1075.14
13A1600N	13A	G002YR24HR	14.87	18.90	20.35	0.0004	14890	14.70	370.23	14.79	369.39
13A1600N	13A	G010YR24HR	14.91	23.76	20.35	0.0009	32172	14.75	654.48	14.88	653.56
13A1600N	13A	G025YR24HR	14.96	26.29	20.35	0.0011	51696	14.72	833.16	14.94	831.09
13A1600N	13A	G100YR24HR	15.17	30.23	20.35	0.0013	53179	14.86	1075.12	15.15	1073.28
13A1700N	13A	G002YR24HR	14.78	21.45	19.35	0.0003	40403	14.61	369.66	14.71	368.50
13A1700N	13A	G010YR24HR	14.88	24.58	19.35	0.0005	70601	14.57	654.95	14.76	651.71
13A1700N	13A	G025YR24HR	14.95	26.59	19.35	0.0007	90512	14.41	838.53	14.74	829.58
13A1700N	13A	G100YR24HR	15.17	30.30	19.35	0.0008	101163	14.24	1086.39	14.89	1070.45
13A1800N	13A	G002YR24HR	14.69	22.76	21.45	0.0007	34636	14.56	364.79	14.63	364.10
13A1800N	13A	G010YR24HR	14.82	25.29	21.45	0.0007	60573	14.43	648.98	14.61	645.63
13A1800N	13A	G025YR24HR	14.90	27.04	21.45	0.0005	75775	14.29	835.73	14.46	826.11
13A1800N	13A	G100YR24HR	15.16	30.47	21.45	0.0006	84114	14.07	1090.75	14.36	1068.37
13A1900N	13A	G002YR24HR	14.60	25.32	0.00	-0.0012	20187	14.54	362.98	14.56	362.85
13A1900N	13A	G010YR24HR	14.69	26.64	0.00	-0.0013	34797	14.39	646.58	14.44	645.70
13A1900N	13A	G025YR24HR	14.81	27.64	0.00	-0.0013	37073	14.10	834.65	14.30	831.39
13A1900N	13A	G100YR24HR	15.14	30.61	0.00	-0.0013	38036	14.03	1094.91	14.07	1084.14
13A2100N	13A	G002YR24HR	14.58	26.07	25.29	-0.0006	36391	14.57	361.96	14.55	360.24
13A2100N	13A	G010YR24HR	14.59	27.55	25.29	0.0008	83050	14.34	642.70	14.42	641.75
13A2100N	13A	G025YR24HR	14.66	28.08	25.29	0.0008	94081	14.12	831.89	14.28	827.95
13A2100N	13A	G100YR24HR	15.14	30.63	25.29	0.0008	147220	13.83	1125.78	14.07	1084.16
13A2200N	13A	G002YR24HR	14.58	27.79	26.35	0.0003	55651	14.40	360.93	14.58	361.32
13A2200N	13A	G010YR24HR	13.80	29.46	26.35	0.0005	74212	13.64	643.85	14.35	641.58
13A2200N	13A	G025YR24HR	14.20	29.91	26.35	0.0004	74426	14.10	829.54	14.12	830.32
13A2200N	13A	G100YR24HR	14.95	31.38	26.35	0.0006	77753	13.79	1137.57	13.83	1123.40
13A2220P	13A	G002YR24HR	14.12	30.70	32.55	0.0000	109354	12.08	14.37	14.12	1.87
13A2220P	13A	G010YR24HR	13.16	31.16	32.55	0.0001	113060	12.08	35.43	13.16	6.29
13A2220P	13A	G025YR24HR	13.02	31.52	32.55	0.0001	115908	12.08	52.00	13.02	10.72
13A2220P	13A	G100YR24HR	13.07	32.22	32.55	0.0002	121481	12.08	82.71	12.68	15.69
13A2300N	13A	G002YR24HR	14.43	29.50	28.45	0.0002	34428	14.36	354.24	14.42	354.01
13A2300N	13A	G010YR24HR	14.35	31.11	28.45	0.0037	37697	13.62	1113.77	14.36	627.00
13A2300N	13A	G025YR24HR	14.21	31.81	28.45	0.0037	37960	12.80	1115.76	14.21	808.13
13A2300N	13A	G100YR24HR	14.24	32.96	28.45	0.0037	48506	12.31	1110.98	13.83	1103.69
13A2350N	13A	G002YR24HR	14.42	29.73	0.00	0.0002	36089	14.29	354.61	14.36	353.98

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A2350N	13A	G010YR24HR	13.62	31.39	0.00	-0.0036	36887	13.63	650.15	13.62	1113.17
13A2350N	13A	G025YR24HR	14.20	32.08	0.00	-0.0035	38666	14.12	808.02	12.80	1113.75
13A2350N	13A	G100YR24HR	14.17	33.18	0.00	-0.0033	47959	13.82	1108.55	13.83	1105.96
13A2400N	13A	G002YR24HR	14.35	30.62	30.65	0.0003	42887	14.21	354.04	14.29	353.36
13A2400N	13A	G010YR24HR	13.62	31.85	30.65	-0.0008	64573	12.82	627.84	13.63	647.42
13A2400N	13A	G025YR24HR	14.19	32.59	30.65	0.0008	70222	14.05	806.12	14.13	805.23
13A2400N	13A	G100YR24HR	14.08	33.64	30.65	0.0009	80193	13.77	1107.91	13.83	1104.33
13A2600N	13A	G002YR24HR	14.32	31.19	30.25	0.0003	92462	13.90	361.16	14.22	353.19
13A2600N	13A	G010YR24HR	14.28	32.68	30.25	0.0005	120409	14.06	625.90	14.21	623.81
13A2600N	13A	G025YR24HR	14.14	33.38	30.25	0.0005	138445	13.90	806.46	14.06	804.17
13A2600N	13A	G100YR24HR	13.95	34.09	30.25	0.0005	147734	13.70	1108.61	13.78	1104.95
13A2750N	13A	G002YR24HR	14.18	32.24	26.95	0.0004	534545	12.79	403.96	13.94	350.83
13A2750N	13A	G010YR24HR	14.24	33.34	26.95	0.0004	704785	12.63	690.13	14.17	609.89
13A2750N	13A	G025YR24HR	14.11	33.97	26.95	0.0004	815373	12.49	871.81	14.08	783.41
13A2750N	13A	G100YR24HR	13.89	34.72	26.95	0.0004	945462	12.47	1206.18	13.83	1069.67
13A2800N	13A	G002YR24HR	13.66	34.25	32.25	-0.0006	120026	13.28	343.32	13.47	335.86
13A2800N	13A	G010YR24HR	13.74	35.29	32.25	-0.0006	384735	13.18	592.40	13.59	568.58
13A2800N	13A	G025YR24HR	13.75	35.75	32.25	-0.0006	490411	13.13	753.02	13.58	720.12
13A2800N	13A	G100YR24HR	13.74	36.42	32.25	-0.0006	641225	13.02	986.31	13.64	938.32
13A2820P	13A	G002YR24HR	20.30	33.29	36.65	0.0000	151963	12.17	14.55	26.42	2.08
13A2820P	13A	G010YR24HR	20.21	34.12	36.65	0.0001	158831	12.17	26.91	26.27	2.18
13A2820P	13A	G025YR24HR	19.54	34.69	36.65	0.0001	163584	12.17	35.77	21.50	2.81
13A2820P	13A	G100YR24HR	16.60	35.96	36.65	0.0001	174183	12.17	51.35	18.11	6.83
13A2900N	13A	G002YR24HR	13.31	36.84	36.95	0.0003	483766	12.58	414.53	13.28	353.96
13A2900N	13A	G010YR24HR	13.26	37.65	36.95	0.0002	643881	12.38	700.06	13.18	604.04
13A2900N	13A	G025YR24HR	13.20	38.10	36.95	0.0002	730567	12.35	896.23	13.15	766.55
13A2900N	13A	G100YR24HR	13.19	38.76	36.95	0.0002	857028	12.33	1231.18	13.07	1011.56
13A3000N	13A	G002YR24HR	12.92	37.65	36.15	0.0054	181103	12.51	340.00	12.80	317.47
13A3000N	13A	G010YR24HR	13.07	38.49	36.15	0.0054	297330	12.56	514.32	12.93	474.53
13A3000N	13A	G025YR24HR	13.12	38.98	36.15	0.0054	363577	12.37	637.35	13.01	567.49
13A3000N	13A	G100YR24HR	13.20	39.67	36.15	0.0054	458337	12.27	791.31	13.22	699.77
13A3200N	13A	G002YR24HR	12.91	37.68	36.51	-0.0073	7281	12.49	341.85	12.51	340.00
13A3200N	13A	G010YR24HR	13.06	38.53	36.51	-0.0073	8118	12.55	516.22	12.56	514.32
13A3200N	13A	G025YR24HR	13.10	39.03	36.51	-0.0073	8763	12.36	641.43	12.37	637.35
13A3200N	13A	G100YR24HR	13.19	39.73	36.51	-0.0073	14333	12.27	797.19	12.27	791.31
13A3300N	13A	G002YR24HR	12.81	37.93	37.95	0.0003	13987	12.53	320.36	12.56	318.19
13A3300N	13A	G010YR24HR	12.94	38.82	37.95	0.0003	19394	12.61	480.78	12.63	478.07
13A3300N	13A	G025YR24HR	12.97	39.35	37.95	0.0002	23469	12.43	580.80	12.49	575.26
13A3300N	13A	G100YR24HR	13.00	40.22	37.95	0.0004	35040	12.34	705.04	12.65	695.73
13A3320P	13A	G002YR24HR	12.55	39.87	41.45	0.0004	10378	12.08	18.04	12.33	10.65
13A3320P	13A	G010YR24HR	12.62	42.01	41.45	0.0005	21405	12.08	35.37	12.62	14.80
13A3320P	13A	G025YR24HR	12.30	42.19	41.45	0.0006	22337	12.08	48.02	12.29	36.59
13A3320P	13A	G100YR24HR	12.13	42.36	41.45	0.0006	23210	12.08	70.46	12.13	66.62
13A3400N	13A	G002YR24HR	12.64	38.98	36.25	0.0005	15648	12.51	308.46	12.55	307.20
13A3400N	13A	G010YR24HR	12.74	40.10	36.25	0.0005	21268	12.58	461.59	12.64	460.14
13A3400N	13A	G025YR24HR	12.79	40.62	36.25	0.0005	22528	12.63	549.86	12.66	548.59
13A3400N	13A	G100YR24HR	12.88	41.27	36.25	0.0005	26705	12.85	666.40	12.87	666.28

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3420P	13A	G002YR24HR	25.50	47.61	48.75	0.0000	84902	12.08	8.94	0.00	0.00
13A3420P	13A	G010YR24HR	32.10	48.76	48.75	0.0001	129049	12.08	20.08	32.10	0.22
13A3420P	13A	G025YR24HR	19.66	48.85	48.75	0.0001	132922	12.08	28.61	19.66	5.04
13A3420P	13A	G100YR24HR	15.73	48.96	48.75	0.0001	137844	12.08	44.14	15.73	15.01
13A3440P	13A	G002YR24HR	38.50	50.05	50.65	0.0000	58826	14.58	1.66	0.00	0.00
13A3440P	13A	G010YR24HR	19.96	50.61	50.65	0.0000	71037	14.33	5.43	19.96	2.40
13A3440P	13A	G025YR24HR	16.88	50.68	50.65	0.0000	72458	14.25	8.82	16.88	5.61
13A3440P	13A	G100YR24HR	15.14	50.77	50.65	0.0001	74552	14.17	15.64	15.14	13.58
13A3600N	13A	G002YR24HR	12.64	39.08	40.15	-0.0006	16071	12.64	267.61	12.68	267.79
13A3600N	13A	G010YR24HR	12.76	40.32	40.15	-0.0006	18378	12.84	399.42	12.86	400.17
13A3600N	13A	G025YR24HR	12.83	40.85	40.15	-0.0006	19688	12.98	475.90	13.01	476.84
13A3600N	13A	G100YR24HR	12.98	41.50	40.15	-0.0006	22920	13.26	586.83	13.27	587.76
13A3700N	13A	G002YR24HR	12.67	39.90	38.25	0.0007	17856	12.66	260.42	12.69	260.51
13A3700N	13A	G010YR24HR	12.81	40.95	38.25	0.0007	19638	12.86	390.87	12.90	391.45
13A3700N	13A	G025YR24HR	12.92	41.47	38.25	0.0007	20397	13.28	470.76	13.07	468.32
13A3700N	13A	G100YR24HR	13.13	42.11	38.25	0.0007	22855	13.29	578.77	13.31	579.42
13A3900N	13A	G002YR24HR	12.67	39.99	39.35	0.0008	49780	12.16	284.49	12.66	260.42
13A3900N	13A	G010YR24HR	12.82	41.04	39.35	0.0009	50583	12.77	390.90	12.86	390.87
13A3900N	13A	G025YR24HR	12.93	41.56	39.35	0.0008	50663	12.96	466.54	13.28	470.76
13A3900N	13A	G100YR24HR	13.17	42.52	39.35	0.0006	50485	13.21	577.78	13.29	578.77
13A3910P	13A	G002YR24HR	12.67	40.00	39.15	0.0002	31839	12.08	23.79	12.53	9.63
13A3910P	13A	G010YR24HR	12.82	41.05	39.15	0.0004	39432	12.08	41.66	12.49	13.62
13A3910P	13A	G025YR24HR	12.93	41.57	39.15	0.0003	43917	12.08	54.27	12.34	26.05
13A3910P	13A	G100YR24HR	13.17	42.52	39.15	0.0003	51616	12.08	76.34	12.12	46.35
13A3920P	13A	G002YR24HR	12.16	41.17	41.45	0.0001	178539	12.08	112.44	12.16	107.01
13A3920P	13A	G010YR24HR	12.13	41.25	41.45	0.0000	186768	12.08	181.15	12.13	174.11
13A3920P	13A	G025YR24HR	12.93	41.58	41.45	0.0001	218577	12.08	221.87	12.14	215.34
13A3920P	13A	G100YR24HR	13.17	42.52	41.45	0.0002	280291	12.08	285.89	12.08	271.34
13A3930N	13A	G002YR24HR	12.11	42.29	43.95	0.0003	557	12.10	58.43	12.10	58.37
13A3930N	13A	G010YR24HR	12.09	43.82	43.95	-0.0009	481	12.08	88.67	12.09	88.37
13A3930N	13A	G025YR24HR	12.15	44.84	43.95	-0.0010	8268	12.08	111.34	12.15	103.58
13A3930N	13A	G100YR24HR	12.36	46.53	43.95	0.0008	36345	12.08	155.94	12.20	120.76
13A3940N	13A	G002YR24HR	12.11	42.46	45.55	0.0003	903	12.36	24.97	12.37	25.43
13A3940N	13A	G010YR24HR	12.09	44.07	45.55	0.0017	487	13.36	47.97	13.23	48.02
13A3940N	13A	G025YR24HR	12.46	45.23	45.55	0.0016	487	14.50	52.84	14.49	52.92
13A3940N	13A	G100YR24HR	12.63	47.31	45.55	0.0021	17969	15.08	56.70	15.11	56.74
13A3950N	13A	G002YR24HR	12.11	42.50	0.00	0.0003	1046	12.36	18.79	12.38	19.27
13A3950N	13A	G010YR24HR	12.63	44.29	0.00	0.0011	586	13.44	46.16	13.43	46.22
13A3950N	13A	G025YR24HR	12.59	45.66	0.00	0.0009	549	14.53	51.33	14.53	51.41
13A3950N	13A	G100YR24HR	12.72	47.77	0.00	0.0011	492	15.35	55.06	15.34	55.10
13A3952P	13A	G002YR24HR	18.66	45.43	46.95	0.0000	120792	13.25	14.34	18.57	3.67
13A3952P	13A	G010YR24HR	20.41	47.13	46.95	0.0001	354378	12.92	45.64	14.57	5.09
13A3952P	13A	G025YR24HR	22.28	47.85	46.95	0.0001	488728	12.75	70.36	17.08	5.78
13A3952P	13A	G100YR24HR	24.43	48.97	46.95	0.0002	653857	12.67	116.24	24.13	6.49
13A3954P	13A	G002YR24HR	15.40	50.51	50.25	0.0001	95396	12.17	26.55	15.40	3.17
13A3954P	13A	G010YR24HR	12.64	50.88	50.25	0.0002	106794	12.17	70.16	12.64	40.63

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A3954P	13A	G025YR24HR	12.45	51.12	50.25	0.0002	117750	12.17	105.21	12.45	78.62
13A3954P	13A	G100YR24HR	12.34	51.47	50.25	0.0002	135523	12.17	171.07	12.34	146.32
13A3960P	13A	G002YR24HR	25.50	79.17	56.05	0.0011	2178	12.08	9.89	0.00	0.00
13A3960P	13A	G010YR24HR	25.50	106.59	56.05	0.0024	2178	12.08	21.26	0.00	0.00
13A3960P	13A	G025YR24HR	25.50	127.73	56.05	0.0034	2178	12.08	29.82	0.00	0.00
13A3960P	13A	G100YR24HR	25.50	166.82	56.05	0.0052	2178	12.08	45.28	0.00	0.00
13A3962P	13A	G002YR24HR	26.00	231.86	62.85	0.0071	2178	12.08	61.83	0.00	0.00
13A3962P	13A	G010YR24HR	26.00	380.24	62.85	0.0130	2178	12.08	112.89	0.00	0.00
13A3962P	13A	G025YR24HR	26.00	489.16	62.85	0.0171	2178	12.08	149.37	0.00	0.00
13A3962P	13A	G100YR24HR	26.00	684.93	62.85	0.0245	2178	12.08	213.48	0.00	0.00
13A3980N	13A	G002YR24HR	12.11	42.49	46.25	0.0003	906	13.10	9.16	13.00	9.26
13A3980N	13A	G010YR24HR	12.96	44.62	46.25	0.0007	575	13.75	38.93	13.75	39.04
13A3980N	13A	G025YR24HR	12.95	45.96	46.25	0.0006	464	14.84	44.26	14.83	44.31
13A3980N	13A	G100YR24HR	12.91	47.97	46.25	0.0011	464	15.79	48.17	15.79	48.22
13A3990P	13A	G002YR24HR	13.10	42.83	45.75	0.0001	101252	12.08	44.79	13.10	9.16
13A3990P	13A	G010YR24HR	13.08	44.80	45.75	0.0003	124168	12.08	96.08	13.75	38.93
13A3990P	13A	G025YR24HR	13.27	46.43	45.75	0.0004	172830	12.17	148.80	14.84	44.26
13A3990P	13A	G100YR24HR	13.65	48.43	45.75	0.0006	318062	12.08	263.76	15.79	48.17
13A4000N	13A	G002YR24HR	12.76	40.38	38.75	0.0004	164140	12.56	198.39	12.92	196.67
13A4000N	13A	G010YR24HR	12.87	41.27	38.75	0.0004	174366	12.72	291.66	13.07	293.20
13A4000N	13A	G025YR24HR	12.95	41.75	38.75	0.0004	182024	12.69	366.22	13.04	361.59
13A4000N	13A	G100YR24HR	13.18	42.65	38.75	0.0004	182109	27.39	525.94	26.97	527.41
13A4100N	13A	G002YR24HR	12.68	40.72	43.05	0.0002	39600	12.44	194.32	12.50	191.39
13A4100N	13A	G010YR24HR	12.85	41.52	43.05	0.0002	41244	12.23	270.26	35.32	265.47
13A4100N	13A	G025YR24HR	12.91	42.02	43.05	0.0002	42313	12.69	345.06	12.79	341.98
13A4100N	13A	G100YR24HR	13.15	42.90	43.05	0.0003	43300	27.31	507.51	27.26	507.76
13A4120P	13A	G002YR24HR	12.92	40.44	42.15	0.0001	79352	12.08	30.29	13.42	8.51
13A4120P	13A	G010YR24HR	12.87	41.51	42.15	0.0001	92621	12.08	52.69	13.27	16.25
13A4120P	13A	G025YR24HR	12.92	42.02	42.15	0.0002	99286	12.08	68.47	13.83	16.07
13A4120P	13A	G100YR24HR	13.15	42.90	42.15	0.0003	111389	12.08	96.08	13.60	16.83
13A4200N	13A	G002YR24HR	12.46	42.23	42.95	0.0002	9525	12.41	194.63	12.44	194.32
13A4200N	13A	G010YR24HR	12.50	43.06	42.95	0.0002	13112	12.40	290.02	12.44	289.19
13A4200N	13A	G025YR24HR	12.73	43.56	42.95	0.0003	15790	32.18	351.32	32.21	351.32
13A4200N	13A	G100YR24HR	24.59	44.55	42.95	0.0003	46796	27.47	525.00	27.51	525.06
13A4300N	13A	G002YR24HR	12.44	43.79	40.75	0.0003	18196	12.36	190.69	12.44	189.74
13A4300N	13A	G010YR24HR	12.45	44.77	40.75	0.0003	21190	12.38	282.83	12.45	282.12
13A4300N	13A	G025YR24HR	32.18	45.35	40.75	0.0003	139702	12.33	359.04	32.18	351.32
13A4300N	13A	G100YR24HR	27.51	46.47	40.75	0.0003	170642	27.22	525.06	27.47	525.00
13A4400N	13A	G002YR24HR	12.55	44.39	43.15	0.0003	22954	12.65	155.98	12.71	157.28
13A4400N	13A	G010YR24HR	35.30	45.45	43.15	0.0003	25567	35.18	267.99	35.27	267.99
13A4400N	13A	G025YR24HR	31.96	46.22	43.15	0.0003	41522	31.83	351.35	31.91	351.34
13A4400N	13A	G100YR24HR	27.36	47.27	43.15	0.0003	44020	27.15	525.07	27.22	525.06
13A4600N	13A	G002YR24HR	12.56	44.76	45.35	-0.0003	10331	12.56	151.36	12.61	151.49
13A4600N	13A	G010YR24HR	35.39	45.91	45.35	-0.0003	41432	35.60	244.57	35.70	244.59
13A4600N	13A	G025YR24HR	32.65	46.71	45.35	-0.0003	60186	34.03	318.76	34.16	318.86
13A4600N	13A	G100YR24HR	28.38	47.88	45.35	-0.0003	87513	31.14	464.62	31.24	464.90

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A4700N	13A	G002YR24HR	12.56	45.58	43.95	0.0004	70775	12.14	168.15	12.56	151.36
13A4700N	13A	G010YR24HR	35.48	46.56	43.95	0.0004	113008	12.09	245.60	35.60	244.57
13A4700N	13A	G025YR24HR	33.09	47.15	43.95	0.0004	128958	33.82	318.65	34.03	318.76
13A4700N	13A	G100YR24HR	28.93	48.24	43.95	0.0010	157999	61.49	871.14	31.14	464.62
13A4800N	13A	G002YR24HR	12.57	45.65	47.65	0.0003	5110	38.62	135.33	38.64	135.33
13A4800N	13A	G010YR24HR	35.47	46.65	47.65	0.0003	6459	35.36	244.57	35.38	244.57
13A4800N	13A	G025YR24HR	33.14	47.22	47.65	0.0003	7836	33.80	318.65	33.82	318.65
13A4800N	13A	G100YR24HR	29.16	48.50	47.65	-0.0158	16825	30.92	464.21	61.49	871.14
13A5000N	13A	G002YR24HR	12.58	45.93	47.65	0.0003	15659	38.59	135.33	38.62	135.33
13A5000N	13A	G010YR24HR	35.44	47.09	47.65	0.0003	19871	35.32	244.57	35.36	244.57
13A5000N	13A	G025YR24HR	33.34	47.76	47.65	0.0003	23006	33.76	318.64	33.80	318.65
13A5000N	13A	G100YR24HR	29.56	49.30	47.65	-0.0006	27022	30.87	464.15	30.92	464.21
13A5050N	13A	G002YR24HR	12.66	46.13	0.00	0.0003	16348	38.70	135.47	38.59	135.33
13A5050N	13A	G010YR24HR	35.40	47.41	0.00	0.0003	23634	35.26	244.58	35.32	244.57
13A5050N	13A	G025YR24HR	33.47	48.07	0.00	0.0003	34451	33.68	318.63	33.76	318.64
13A5050N	13A	G100YR24HR	29.68	49.44	0.00	0.0003	47250	30.78	464.08	30.87	464.15
13A5100N	13A	G002YR24HR	38.54	46.43	48.85	0.0003	10167	38.36	135.33	38.43	135.33
13A5100N	13A	G010YR24HR	35.30	47.72	48.85	0.0003	20991	34.85	237.57	34.93	237.56
13A5100N	13A	G025YR24HR	33.48	48.29	48.85	0.0003	27222	33.49	263.92	33.57	263.93
13A5100N	13A	G100YR24HR	29.77	49.58	48.85	0.0003	37313	30.55	388.77	30.62	388.81
13A5200N	13A	G002YR24HR	38.42	47.12	49.75	0.0005	15239	38.56	136.69	38.36	135.33
13A5200N	13A	G010YR24HR	35.11	48.46	49.75	0.0005	23667	39.53	239.98	34.85	237.57
13A5200N	13A	G025YR24HR	33.49	48.97	49.75	0.0005	28333	33.40	263.93	33.49	263.92
13A5200N	13A	G100YR24HR	30.02	50.20	49.75	0.0005	36422	30.47	388.74	30.55	388.77
13A5300N	13A	G002YR24HR	36.74	47.47	51.35	0.0009	6922	12.28	136.56	34.31	136.47
13A5300N	13A	G010YR24HR	33.74	48.90	51.35	0.0009	7809	32.08	246.93	32.11	246.91
13A5300N	13A	G025YR24HR	31.69	49.51	51.35	0.0009	8229	30.69	321.31	30.69	321.29
13A5300N	13A	G100YR24HR	29.04	50.57	51.35	0.0009	10792	26.39	470.01	26.40	469.95
13A5320P	13A	G002YR24HR	12.96	49.48	51.55	0.0003	7261	12.08	6.48	12.96	2.05
13A5320P	13A	G010YR24HR	12.44	51.05	51.55	0.0005	8733	12.08	18.16	12.44	11.86
13A5320P	13A	G025YR24HR	12.30	51.53	51.55	0.0006	9191	12.08	27.65	12.29	22.15
13A5320P	13A	G100YR24HR	12.10	51.85	51.55	0.0005	9490	12.08	45.63	12.10	44.84
13A5400N	13A	G002YR24HR	35.12	48.30	51.65	0.0013	9337	34.25	136.48	34.29	136.47
13A5400N	13A	G010YR24HR	32.72	49.91	51.65	0.0013	12396	32.04	246.94	32.09	246.93
13A5400N	13A	G025YR24HR	30.97	50.75	51.65	0.0013	14769	30.64	321.45	30.66	321.32
13A5400N	13A	G100YR24HR	26.57	52.19	51.65	0.0013	20126	26.34	470.09	26.39	470.05
13A5500N	13A	G002YR24HR	34.81	48.72	55.45	0.0014	9556	34.20	136.48	34.25	136.48
13A5500N	13A	G010YR24HR	32.54	50.34	55.45	0.0014	19318	31.97	246.96	32.04	246.94
13A5500N	13A	G025YR24HR	30.86	51.20	55.45	0.0014	28681	30.82	449.71	30.64	321.45
13A5500N	13A	G100YR24HR	26.51	52.65	55.45	0.0018	36072	45.14	715.07	26.35	470.09
13A5600N	13A	G002YR24HR	34.44	49.33	53.15	0.0013	4806	34.18	136.48	34.20	136.48
13A5600N	13A	G010YR24HR	32.37	50.72	53.15	0.0016	8520	31.94	246.74	31.96	246.73
13A5600N	13A	G025YR24HR	30.86	51.71	53.15	0.0017	11040	30.57	305.95	30.92	434.14
13A5600N	13A	G100YR24HR	26.52	52.93	53.15	-0.0049	13526	26.54	408.52	45.14	678.44
13A5800N	13A	G002YR24HR	34.31	50.01	52.35	0.0044	3612	34.17	136.48	34.18	136.48
13A5800N	13A	G010YR24HR	32.24	51.42	52.35	0.0044	4745	31.92	246.74	31.94	246.74
13A5800N	13A	G025YR24HR	30.72	52.46	52.35	0.0044	6268	30.45	305.79	30.57	305.95

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13A5800N	13A	G100YR24HR	26.53	53.41	52.35	0.0044	9365	26.53	408.52	26.54	408.52
13A6000P	13A	G002YR24HR	34.21	51.47	51.95	0.0000	635463	12.08	144.74	34.17	136.48
13A6000P	13A	G010YR24HR	32.06	52.48	51.95	0.0001	835447	30.14	247.77	31.93	246.97
13A6000P	13A	G025YR24HR	30.65	53.02	51.95	0.0001	1007316	28.75	323.23	30.51	321.36
13A6000P	13A	G100YR24HR	26.53	53.77	51.95	0.0001	1274757	25.78	466.55	26.53	463.18
13B0200N	13B	G002YR24HR	12.47	15.58	14.95	0.0002	454	12.47	58.28	12.47	58.28
13B0200N	13B	G010YR24HR	12.43	15.94	14.95	-0.0002	454	12.43	113.37	12.43	113.37
13B0200N	13B	G025YR24HR	12.45	16.15	14.95	0.0002	454	12.45	154.19	12.45	154.19
13B0200N	13B	G100YR24HR	12.53	16.42	14.95	0.0002	454	12.53	214.31	12.53	214.31
13B0400N	13B	G002YR24HR	12.47	15.94	17.95	0.0002	6450	12.42	55.88	12.46	55.19
13B0400N	13B	G010YR24HR	12.42	17.24	17.95	0.0004	7977	12.34	106.81	12.41	104.95
13B0400N	13B	G025YR24HR	12.43	18.49	17.95	0.0006	10008	12.31	144.79	12.42	140.98
13B0400N	13B	G100YR24HR	12.50	20.71	17.95	0.0008	15581	12.32	199.58	12.50	190.93
13B0500N	13B	G002YR24HR	12.42	18.63	18.05	0.0004	19196	12.34	58.76	12.42	55.88
13B0500N	13B	G010YR24HR	12.33	19.27	18.05	0.0004	22602	12.25	104.86	12.35	102.96
13B0500N	13B	G025YR24HR	12.38	19.69	18.05	0.0004	26322	12.26	141.54	12.32	135.55
13B0500N	13B	G100YR24HR	12.49	21.04	18.05	0.0003	36614	12.24	208.00	12.36	178.53
13B0600N	13B	G002YR24HR	12.26	22.13	22.05	0.0005	8348	12.25	53.11	12.34	57.82
13B0600N	13B	G010YR24HR	12.09	22.52	22.05	0.0006	11254	12.25	97.88	12.26	98.63
13B0600N	13B	G025YR24HR	12.25	22.70	22.05	0.0006	13218	12.25	129.97	12.26	130.01
13B0600N	13B	G100YR24HR	12.27	23.03	22.05	0.0004	15039	12.25	186.45	12.26	185.29
13C0100N	13C	G002YR24HR	15.37	15.02	13.25	0.0007	83369	16.00	176.15	16.12	179.94
13C0100N	13C	G010YR24HR	15.63	16.51	13.25	0.0007	113317	18.04	297.00	18.32	306.04
13C0100N	13C	G025YR24HR	15.71	17.35	13.25	0.0007	127935	17.80	367.48	17.86	376.62
13C0100N	13C	G100YR24HR	16.17	18.47	13.25	0.0007	147495	22.26	663.76	22.28	667.16
13C0200N	13C	G002YR24HR	15.41	15.11	14.95	0.0012	46159	15.92	173.19	16.01	174.79
13C0200N	13C	G010YR24HR	15.65	16.54	14.95	0.0012	57750	17.97	291.55	18.06	295.38
13C0200N	13C	G025YR24HR	15.72	17.37	14.95	0.0012	57750	17.79	361.08	17.81	365.26
13C0200N	13C	G100YR24HR	16.17	18.49	14.95	0.0012	57750	22.25	660.38	22.26	661.74
13C0300N	13C	G002YR24HR	15.54	15.36	15.75	0.0014	25294	15.88	172.66	15.92	173.19
13C0300N	13C	G010YR24HR	15.68	16.65	15.75	0.0014	28500	17.93	290.11	17.97	291.55
13C0300N	13C	G025YR24HR	15.76	17.44	15.75	0.0014	28500	17.77	359.25	17.79	361.08
13C0300N	13C	G100YR24HR	16.22	18.55	15.75	0.0014	28500	22.24	659.77	22.25	660.38
13C0500N	13C	G002YR24HR	15.65	15.73	14.35	0.0013	45488	15.83	172.37	15.88	172.66
13C0500N	13C	G010YR24HR	15.85	16.99	14.35	0.0013	78738	17.81	287.47	17.93	290.11
13C0500N	13C	G025YR24HR	15.86	17.78	14.35	0.0013	85717	17.70	354.84	17.77	359.25
13C0500N	13C	G100YR24HR	18.08	19.03	14.35	0.0013	94783	22.18	658.44	22.24	659.77
13C0600N	13C	G002YR24HR	15.67	15.83	15.85	0.0014	52308	15.50	171.82	15.83	171.83
13C0600N	13C	G010YR24HR	15.87	17.10	15.85	0.0014	110552	17.68	284.03	17.82	286.83
13C0600N	13C	G025YR24HR	15.88	17.88	15.85	0.0014	144722	17.64	347.96	17.70	353.99
13C0600N	13C	G100YR24HR	20.64	19.19	15.85	0.0014	214813	22.17	655.45	22.18	657.63
13C0800N	13C	G002YR24HR	15.22	16.96	17.55	0.0004	62453	14.96	111.23	15.04	110.65
13C0800N	13C	G010YR24HR	15.39	17.78	17.55	0.0001	91052	15.10	214.85	15.20	212.71
13C0800N	13C	G025YR24HR	15.40	18.34	17.55	-0.0001	117577	14.53	307.17	14.64	300.12
13C0800N	13C	G100YR24HR	17.69	19.36	17.55	0.0002	164723	14.20	473.35	14.33	456.17
13C1000N	13C	G002YR24HR	15.11	17.31	17.75	-0.0006	18272	12.33	112.43	14.96	111.09

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C1000N	13C	G010YR24HR	15.15	19.56	17.75	-0.0006	51080	14.96	216.17	15.10	214.61
13C1000N	13C	G025YR24HR	14.65	19.95	17.75	-0.0006	60601	14.49	307.42	14.54	306.82
13C1000N	13C	G100YR24HR	14.32	20.30	17.75	-0.0006	70119	14.16	473.82	14.20	472.81
13C1100N	13C	G002YR24HR	14.88	19.82	20.85	0.0006	56982	14.64	111.14	14.88	110.25
13C1100N	13C	G010YR24HR	15.03	21.02	20.85	0.0006	132926	14.68	218.56	14.96	214.17
13C1100N	13C	G025YR24HR	14.52	21.48	20.85	0.0006	168184	14.23	308.40	14.50	304.46
13C1100N	13C	G100YR24HR	14.18	22.05	20.85	0.0006	205342	14.01	472.90	14.17	469.36
13C1200N	13C	G002YR24HR	14.58	23.64	25.85	0.0003	109762	14.29	106.82	14.70	106.01
13C1200N	13C	G010YR24HR	14.35	24.19	25.85	-0.0002	157977	14.72	209.06	14.76	210.37
13C1200N	13C	G025YR24HR	14.11	24.47	25.85	-0.0002	172832	14.11	293.95	14.27	296.20
13C1200N	13C	G100YR24HR	13.89	24.91	25.85	-0.0002	193469	13.92	450.71	14.04	454.20
13C1300N	13C	G002YR24HR	14.05	25.13	25.13	0.0002	61560	14.24	104.55	14.30	105.39
13C1300N	13C	G010YR24HR	14.45	25.72	25.13	0.0001	113178	14.30	206.44	14.72	207.05
13C1300N	13C	G025YR24HR	14.14	26.04	25.13	0.0001	129398	14.05	291.21	14.13	290.79
13C1300N	13C	G100YR24HR	13.94	26.52	25.13	0.0001	156441	13.80	447.53	13.93	446.10
13C1350N	13C	G002YR24HR	14.26	26.26	25.95	0.0002	107738	14.00	103.55	14.26	102.63
13C1350N	13C	G010YR24HR	14.31	26.82	25.95	0.0001	199349	14.00	206.44	14.31	203.83
13C1350N	13C	G025YR24HR	14.06	27.17	25.95	0.0001	253117	13.70	293.42	14.05	287.82
13C1350N	13C	G100YR24HR	13.83	27.63	25.95	0.0001	324029	13.58	448.08	13.82	442.87
13C1400N	13C	G002YR24HR	13.85	27.11	28.95	0.0002	35004	13.55	58.67	13.64	58.32
13C1400N	13C	G010YR24HR	13.98	27.55	28.95	0.0001	69962	13.66	114.98	13.82	113.45
13C1400N	13C	G025YR24HR	13.61	27.83	28.95	0.0001	81025	13.27	180.27	13.36	176.59
13C1400N	13C	G100YR24HR	13.35	28.21	28.95	0.0001	92723	13.02	294.75	13.08	288.54
13C1500N	13C	G002YR24HR	13.58	28.08	29.75	0.0002	9681	13.55	57.44	13.60	57.44
13C1500N	13C	G010YR24HR	13.62	28.72	29.75	0.0002	26925	13.62	112.93	13.68	113.06
13C1500N	13C	G025YR24HR	13.21	29.15	29.75	0.0002	32686	13.23	176.53	13.29	177.14
13C1500N	13C	G100YR24HR	12.92	29.60	29.75	0.0003	40327	13.00	286.91	13.04	288.67
13C1700N	13C	G002YR24HR	13.55	28.88	29.85	0.0003	33470	12.95	58.29	13.55	57.44
13C1700N	13C	G010YR24HR	13.62	30.13	29.85	0.0003	80687	13.41	113.99	13.62	112.93
13C1700N	13C	G025YR24HR	13.23	30.35	29.85	0.0003	83806	13.15	176.93	13.23	176.53
13C1700N	13C	G100YR24HR	12.99	30.58	29.85	0.0003	85879	12.95	287.18	13.00	286.91
13C1800N	13C	G002YR24HR	13.48	29.22	0.00	0.0002	39277	12.98	58.77	13.22	56.65
13C1800N	13C	G010YR24HR	13.59	30.24	0.00	0.0002	81100	13.20	116.18	13.44	111.88
13C1800N	13C	G025YR24HR	13.21	30.52	0.00	0.0002	92187	13.06	175.49	13.18	173.56
13C1800N	13C	G100YR24HR	12.98	30.85	0.00	0.0002	104669	12.89	282.18	12.98	280.68
13C1850N	13C	G002YR24HR	13.55	29.41	31.65	0.0001	29110	13.41	34.24	13.71	34.24
13C1850N	13C	G010YR24HR	13.65	30.34	31.65	0.0002	56972	14.22	63.32	14.31	64.77
13C1850N	13C	G025YR24HR	13.31	30.64	31.65	0.0002	66855	13.42	87.19	13.59	88.91
13C1850N	13C	G100YR24HR	13.15	31.00	31.65	0.0002	78670	13.44	130.81	13.52	133.71
13C1900N	13C	G002YR24HR	13.93	29.49	31.75	0.0003	55986	12.72	103.74	14.82	16.05
13C1900N	13C	G010YR24HR	14.05	30.38	31.75	0.0005	77954	14.58	34.47	14.69	36.35
13C1900N	13C	G025YR24HR	13.41	30.67	31.75	0.0004	86115	14.50	50.31	14.68	52.03
13C1900N	13C	G100YR24HR	13.32	31.04	31.75	0.0004	94834	11.71	123.48	14.63	80.03
13C2000N	13C	G002YR24HR	13.48	31.28	34.65	-0.0005	27390	13.15	10.23	12.72	101.77
13C2000N	13C	G010YR24HR	13.62	31.52	34.65	-0.0006	33734	13.22	19.17	31.74	25.87
13C2000N	13C	G025YR24HR	13.58	31.66	34.65	-0.0005	36760	13.36	25.04	44.44	25.49
13C2000N	13C	G100YR24HR	13.47	31.90	34.65	-0.0005	41676	13.35	40.85	11.71	113.47

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13C2200P	13C	G002YR24HR	13.16	31.96	33.95	0.0001	34938	12.42	18.24	13.15	10.23
13C2200P	13C	G010YR24HR	13.24	32.79	33.95	0.0002	74591	12.42	36.87	13.22	19.17
13C2200P	13C	G025YR24HR	13.37	33.32	33.95	0.0002	94927	12.42	51.69	13.36	25.04
13C2200P	13C	G100YR24HR	13.35	34.14	33.95	0.0002	123230	12.42	81.31	13.35	40.85
13C2400P	13C	G002YR24HR	23.79	31.94	35.48	0.0000	480728	12.08	84.78	24.12	2.66
13C2400P	13C	G010YR24HR	20.43	32.80	35.48	0.0001	480728	12.08	167.33	26.26	6.35
13C2400P	13C	G025YR24HR	21.20	33.50	35.48	0.0001	480728	12.08	228.82	26.31	7.80
13C2400P	13C	G100YR24HR	22.82	34.78	35.48	0.0002	480728	12.08	339.60	26.67	10.01
13D0150N	13D	G002YR24HR	14.17	32.24	31.95	0.0005	21755	12.35	164.28	12.36	159.36
13D0150N	13D	G010YR24HR	14.24	33.35	31.95	0.0004	55808	12.26	304.17	12.26	295.38
13D0150N	13D	G025YR24HR	14.11	33.97	31.95	0.0004	73484	12.25	403.00	12.26	381.18
13D0150N	13D	G100YR24HR	13.88	34.72	31.95	0.0003	94774	12.24	577.73	12.30	541.74
13D0170P	13D	G002YR24HR	14.30	32.25	31.95	0.0001	66884	12.17	18.99	15.58	4.86
13D0170P	13D	G010YR24HR	14.41	33.36	31.95	0.0003	115055	12.08	33.46	15.81	10.72
13D0170P	13D	G025YR24HR	14.30	33.98	31.95	0.0003	142155	12.08	43.74	16.39	12.74
13D0170P	13D	G100YR24HR	14.10	34.74	31.95	0.0002	175245	12.08	61.73	16.06	12.90
13D0200N	13D	G002YR24HR	12.36	33.44	34.35	0.0009	7054	12.34	166.92	12.35	166.60
13D0200N	13D	G010YR24HR	12.27	34.73	34.35	0.0012	7935	12.25	320.56	12.26	320.04
13D0200N	13D	G025YR24HR	12.26	35.38	34.35	0.0011	8344	12.23	423.38	12.25	422.81
13D0200N	13D	G100YR24HR	12.25	36.24	34.35	0.0009	8620	12.22	603.47	12.23	602.90
13D0310N	13D	G002YR24HR	12.31	37.15	38.35	0.0022	454	12.30	85.84	12.31	85.84
13D0310N	13D	G010YR24HR	12.23	37.45	38.35	0.0023	454	12.22	90.68	12.23	90.68
13D0310N	13D	G025YR24HR	12.20	37.62	38.35	0.0022	454	12.19	93.35	12.20	93.34
13D0310N	13D	G100YR24HR	12.22	38.07	38.35	0.0020	442	12.06	96.34	12.06	96.15
13D0330N	13D	G002YR24HR	12.34	38.82	38.37	0.0023	2185	12.33	165.45	12.34	165.44
13D0330N	13D	G010YR24HR	12.25	39.26	38.37	0.0024	2185	12.25	317.67	12.25	317.66
13D0330N	13D	G025YR24HR	12.24	39.50	38.37	0.0024	2185	12.24	419.50	12.24	419.51
13D0330N	13D	G100YR24HR	12.22	39.88	38.37	0.0020	2185	12.22	597.89	12.22	597.88
13D0400N	13D	G002YR24HR	12.35	38.92	38.37	0.0009	5426	12.37	118.56	12.38	118.67
13D0400N	13D	G010YR24HR	12.25	39.38	38.37	0.0010	5836	12.25	229.41	12.26	229.48
13D0400N	13D	G025YR24HR	12.23	39.64	38.37	0.0009	8558	12.22	303.56	12.23	303.47
13D0400N	13D	G100YR24HR	12.22	40.05	38.37	0.0004	9345	12.21	433.19	12.22	433.05
13D0500N	13D	G002YR24HR	12.35	39.00	41.65	0.0008	5093	12.36	118.48	12.37	118.56
13D0500N	13D	G010YR24HR	12.25	39.56	41.65	0.0009	5359	12.25	229.49	12.25	229.41
13D0500N	13D	G025YR24HR	12.23	39.89	41.65	0.0009	6342	12.21	303.67	12.22	303.56
13D0500N	13D	G100YR24HR	12.21	40.28	41.65	0.0006	6694	12.20	433.32	12.21	433.19
13D0700N	13D	G002YR24HR	12.40	40.26	41.18	0.0011	8219	12.34	95.32	12.41	94.27
13D0700N	13D	G010YR24HR	12.25	41.54	41.18	0.0012	9416	12.25	181.91	12.26	181.88
13D0700N	13D	G025YR24HR	12.22	41.70	41.18	0.0011	9599	12.21	240.82	12.22	240.78
13D0700N	13D	G100YR24HR	12.21	41.90	41.18	0.0008	9849	12.20	343.84	12.21	343.80
13D0750N	13D	G002YR24HR	12.39	40.56	44.95	0.0004	10464	12.25	94.22	12.35	90.37
13D0750N	13D	G010YR24HR	12.26	41.87	44.95	0.0006	12582	12.25	172.23	12.26	172.09
13D0750N	13D	G025YR24HR	12.23	42.16	44.95	0.0007	13041	12.21	227.48	12.25	227.45
13D0750N	13D	G100YR24HR	12.22	42.61	44.95	0.0008	13727	12.19	324.83	12.22	324.59
13D0800N	13D	G002YR24HR	12.37	41.21	45.55	0.0003	2755	12.33	52.24	12.35	51.84
13D0800N	13D	G010YR24HR	12.28	42.30	45.55	0.0004	3749	12.33	96.25	12.34	96.39

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13D0800N	13D	G025YR24HR	12.27	42.66	45.55	0.0005	3999	12.33	127.81	12.34	128.01
13D0800N	13D	G100YR24HR	12.26	43.20	45.55	0.0006	4377	12.33	183.39	12.33	183.71
13F0200N	13F	G002YR24HR	24.91	46.03	0.00	0.0002	6026	25.36	14.83	25.37	14.83
13F0200N	13F	G010YR24HR	32.20	46.40	0.00	0.0002	6767	25.90	25.37	25.87	25.35
13F0200N	13F	G025YR24HR	24.99	46.89	0.00	0.0002	7591	24.59	45.06	24.62	45.03
13F0200N	13F	G100YR24HR	24.33	47.61	0.00	0.0002	8681	19.34	90.55	19.35	90.46
13F0400P	13F	G002YR24HR	25.36	46.93	47.75	0.0000	1980593	12.62	134.80	25.36	14.83
13F0400P	13F	G010YR24HR	25.90	47.65	47.75	0.0000	2341182	12.58	259.64	25.90	25.37
13F0400P	13F	G025YR24HR	24.58	48.02	47.75	0.0000	2515745	12.58	353.77	24.59	45.06
13F0400P	13F	G100YR24HR	20.11	48.37	47.75	0.0001	2613832	12.51	509.19	19.34	90.55
13F0410P	13F	G002YR24HR	12.62	49.40	50.95	0.0001	27969	12.08	14.34	12.62	6.35
13F0410P	13F	G010YR24HR	12.30	49.76	50.95	0.0002	31504	12.08	27.95	12.30	21.29
13F0410P	13F	G025YR24HR	12.23	49.94	50.95	0.0001	33211	12.08	37.86	12.23	31.66
13F0410P	13F	G100YR24HR	12.19	50.17	50.95	0.0001	35475	12.08	55.43	12.19	48.71
13F0420P	13F	G002YR24HR	12.78	49.43	51.55	0.0000	80436	12.08	14.67	12.78	4.57
13F0420P	13F	G010YR24HR	12.65	49.72	51.55	0.0001	92712	12.08	27.61	12.65	10.62
13F0420P	13F	G025YR24HR	12.64	49.91	51.55	0.0001	100507	12.08	36.93	12.64	14.47
13F0420P	13F	G100YR24HR	12.75	50.28	51.55	0.0001	115435	12.08	53.36	12.75	16.08
13F0430P	13F	G002YR24HR	13.03	49.76	52.75	0.0000	319062	12.17	57.57	13.03	19.50
13F0430P	13F	G010YR24HR	12.83	50.03	52.75	0.0001	330298	12.17	94.34	12.83	41.28
13F0430P	13F	G025YR24HR	12.77	50.19	52.75	0.0001	336780	12.17	120.10	12.77	57.43
13F0430P	13F	G100YR24HR	12.71	50.44	52.75	0.0001	346852	12.17	165.18	12.71	86.11
13F0440P	13F	G002YR24HR	14.20	49.18	50.95	0.0000	33579	12.87	7.45	14.20	5.76
13F0440P	13F	G010YR24HR	13.51	49.48	50.95	0.0001	35120	13.13	15.87	13.51	14.90
13F0440P	13F	G025YR24HR	13.40	49.62	50.95	0.0001	35885	13.11	21.79	13.40	20.98
13F0440P	13F	G100YR24HR	13.37	49.82	50.95	0.0001	36874	13.14	30.94	13.37	30.31
13F0450P	13F	G002YR24HR	14.10	49.21	50.95	0.0001	20864	12.75	10.83	12.93	7.04
13F0450P	13F	G010YR24HR	13.34	49.71	50.95	0.0001	22390	12.75	19.50	13.16	15.45
13F0450P	13F	G025YR24HR	13.24	50.09	50.95	0.0001	23536	12.75	25.69	13.15	21.26
13F0450P	13F	G100YR24HR	13.22	50.77	50.95	0.0001	25619	12.75	36.56	13.18	30.26
13F0700N	13F	G002YR24HR	12.92	50.76	50.58	0.0001	44347	12.48	13.14	12.92	11.97
13F0700N	13F	G010YR24HR	12.78	50.99	50.58	0.0001	55184	12.58	31.84	12.78	31.50
13F0700N	13F	G025YR24HR	12.67	51.09	50.58	0.0001	57308	12.58	49.72	12.67	49.46
13F0700N	13F	G100YR24HR	12.50	51.21	50.58	0.0001	59808	12.42	82.64	12.50	82.31
13F0750N	13F	G002YR24HR	1.06	53.51	0.00	0.0002	36576	17.50	9.82	17.58	9.82
13F0750N	13F	G010YR24HR	15.69	53.71	0.00	0.0002	43732	15.58	23.50	15.64	23.48
13F0750N	13F	G025YR24HR	16.99	53.81	0.00	0.0002	47548	16.58	32.55	16.69	32.53
13F0750N	13F	G100YR24HR	17.47	54.00	0.00	0.0002	54660	16.58	52.38	16.71	52.33
13F0800N	13F	G002YR24HR	17.69	54.11	0.00	0.0010	4469	17.62	9.51	17.67	9.51
13F0800N	13F	G010YR24HR	15.94	54.50	0.00	0.0010	5913	15.90	22.72	15.93	22.72
13F0800N	13F	G025YR24HR	16.90	54.70	0.00	0.0010	7166	16.84	31.68	16.90	31.68
13F0800N	13F	G100YR24HR	17.02	54.95	0.00	0.0010	10014	17.02	51.12	17.04	51.12
13F1000P	13F	G002YR24HR	17.64	54.37	56.80	0.0000	698394	12.90	51.12	17.62	9.51
13F1000P	13F	G010YR24HR	15.90	55.14	56.80	0.0001	834986	12.32	231.88	15.90	22.72
13F1000P	13F	G025YR24HR	16.82	55.72	56.80	0.0001	958053	12.25	342.56	16.84	31.68
13F1000P	13F	G100YR24HR	17.02	56.77	56.80	0.0002	1180395	12.22	529.16	17.02	51.12

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13F1154P	13F	G002YR24HR	28.50	71.40	66.45	0.0001	2178	12.92	0.93	0.00	0.00
13F1154P	13F	G010YR24HR	28.50	92.65	66.45	0.0006	2178	12.67	4.97	0.00	0.00
13F1154P	13F	G025YR24HR	28.50	112.48	66.45	0.0010	2178	12.67	9.14	0.00	0.00
13F1154P	13F	G100YR24HR	28.50	153.69	66.45	0.0021	2178	12.58	18.07	0.00	0.00
13F1158P	13F	G002YR24HR	26.50	5.87	0.00	0.0002	2178	12.42	1.32	0.00	0.00
13F1158P	13F	G010YR24HR	26.50	20.82	0.00	0.0007	2178	12.33	5.75	0.00	0.00
13F1158P	13F	G025YR24HR	26.50	34.28	0.00	0.0012	2178	12.25	10.06	0.00	0.00
13F1158P	13F	G100YR24HR	26.50	61.71	0.00	0.0022	2178	12.25	18.82	0.00	0.00
13F1300P	13F	G002YR24HR	12.98	55.23	55.15	0.0001	146845	12.08	76.50	12.98	22.25
13F1300P	13F	G010YR24HR	12.30	55.45	55.15	0.0002	150591	12.08	139.65	12.30	116.93
13F1300P	13F	G025YR24HR	16.79	55.72	55.15	0.0002	155477	12.08	184.94	12.19	173.76
13F1300P	13F	G100YR24HR	17.00	56.78	55.15	0.0001	159430	12.08	264.79	12.16	253.56
13F1374P	13F	G002YR24HR	17.70	64.97	65.45	0.0003	35191	12.17	11.06	17.70	0.75
13F1374P	13F	G010YR24HR	12.66	65.10	65.45	0.0004	37240	12.17	23.29	12.66	13.72
13F1374P	13F	G025YR24HR	22.52	65.50	65.45	0.0004	43663	12.17	32.44	12.38	27.40
13F1374P	13F	G100YR24HR	13.54	65.65	65.45	0.0002	46118	12.17	48.91	12.22	47.40
13F1378P	13F	G002YR24HR	72.00	60.78	65.75	0.0000	44675	12.42	6.12	0.00	0.00
13F1378P	13F	G010YR24HR	72.00	64.17	65.75	0.0002	58864	12.61	29.38	0.00	0.00
13F1378P	13F	G025YR24HR	22.52	65.50	65.75	0.0003	64408	12.36	57.54	0.00	0.00
13F1378P	13F	G100YR24HR	13.54	65.66	65.75	0.0005	65079	12.25	100.10	0.00	0.00
13G0100N	13G	G002YR24HR	12.77	46.28	0.00	0.0004	11378	12.80	21.15	12.86	21.34
13G0100N	13G	G010YR24HR	35.41	47.41	0.00	0.0004	17879	12.75	36.96	12.82	36.78
13G0100N	13G	G025YR24HR	33.50	48.12	0.00	0.0004	20584	33.77	54.70	33.91	54.71
13G0100N	13G	G100YR24HR	29.70	49.47	0.00	0.0004	35734	31.69	75.25	45.96	95.32
13G0200N	13G	G002YR24HR	12.79	47.05	0.00	0.0002	4367	12.74	21.19	12.80	21.15
13G0200N	13G	G010YR24HR	12.77	47.76	0.00	0.0002	5169	12.70	37.09	12.75	36.96
13G0200N	13G	G025YR24HR	33.60	48.55	0.00	0.0002	5818	33.72	54.70	33.77	54.70
13G0200N	13G	G100YR24HR	29.83	49.70	0.00	0.0002	8247	31.55	75.24	31.69	75.25
13G0400N	13G	G002YR24HR	12.79	47.08	50.45	0.0002	9420	12.61	21.76	12.74	21.19
13G0400N	13G	G010YR24HR	12.76	47.80	50.45	0.0002	12284	12.59	38.09	12.70	37.09
13G0400N	13G	G025YR24HR	33.63	48.80	50.45	0.0002	50570	33.21	54.71	33.72	54.70
13G0400N	13G	G100YR24HR	30.06	50.16	50.45	0.0002	59864	30.15	75.17	31.55	75.24
13G0500N	13G	G002YR24HR	12.75	47.25	48.15	0.0002	21645	12.33	24.47	12.68	20.39
13G0500N	13G	G010YR24HR	12.73	47.99	48.15	0.0002	34638	12.33	42.90	12.65	35.66
13G0500N	13G	G025YR24HR	33.57	48.91	48.15	0.0002	57109	12.33	56.05	12.64	47.54
13G0500N	13G	G100YR24HR	30.06	50.17	48.15	0.0002	83161	12.33	80.92	12.50	74.82
13G0600N	13G	G002YR24HR	12.74	47.28	0.00	0.0002	9002	12.08	8.97	12.16	5.32
13G0600N	13G	G010YR24HR	12.71	48.02	0.00	0.0002	11861	12.08	15.70	12.14	9.90
13G0600N	13G	G025YR24HR	33.57	48.91	0.00	0.0002	14894	12.08	20.46	12.13	13.29
13G0600N	13G	G100YR24HR	30.02	50.17	0.00	0.0002	23963	12.08	28.77	12.13	19.29
13G1200P	13G	G002YR24HR	38.44	47.12	0.00	0.0001	951740	12.08	137.06	14.94	6.19
13G1200P	13G	G010YR24HR	35.14	48.46	0.00	0.0001	1115699	12.08	231.50	60.29	10.11
13G1200P	13G	G025YR24HR	33.52	48.97	0.00	0.0001	1168568	12.08	298.48	72.00	10.57
13G1200P	13G	G100YR24HR	30.05	50.20	0.00	0.0002	1290412	12.08	416.32	8.40	4.61
13G2000N	13G	G002YR24HR	38.36	47.12	0.00	0.0005	13620	12.23	7.58	12.23	6.26
13G2000N	13G	G010YR24HR	35.11	48.46	0.00	0.0005	21345	12.22	11.41	12.23	6.92
13G2000N	13G	G025YR24HR	33.49	48.97	0.00	0.0005	24840	12.05	10.84	13.93	4.36

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13G2000N	13G	G100YR24HR	30.03	50.20	0.00	0.0005	43907	11.83	7.82	11.33	1.91
13G2100N	13G	G002YR24HR	38.44	47.12	0.00	0.0005	10340	12.25	8.60	12.23	7.58
13G2100N	13G	G010YR24HR	35.12	48.46	0.00	0.0005	17904	12.22	14.75	12.22	11.41
13G2100N	13G	G025YR24HR	33.51	48.97	0.00	0.0005	21105	12.05	16.07	12.05	10.84
13G2100N	13G	G100YR24HR	30.04	50.20	0.00	0.0005	45162	11.83	12.37	11.83	7.82
13H0150P	13H	G002YR24HR	13.75	55.07	61.05	0.0001	52272	12.08	19.04	13.75	2.14
13H0150P	13H	G010YR24HR	13.90	56.19	61.05	0.0002	52272	12.08	36.47	13.90	3.51
13H0150P	13H	G025YR24HR	14.11	57.06	61.05	0.0002	52272	12.08	49.08	14.11	4.28
13H0150P	13H	G100YR24HR	12.92	58.19	61.05	0.0003	52272	12.08	71.39	12.92	15.52
13H0350P	13H	G002YR24HR	24.37	55.88	60.05	0.0001	69696	12.08	15.81	14.80	0.45
13H0350P	13H	G010YR24HR	24.11	56.59	60.05	0.0001	69696	12.08	31.25	13.68	1.44
13H0350P	13H	G025YR24HR	18.67	57.17	60.05	0.0001	69696	12.08	42.54	13.71	1.99
13H0350P	13H	G100YR24HR	13.07	57.84	60.05	0.0002	69696	12.08	62.62	13.06	10.50
13I0300N	13I	G002YR24HR	33.52	51.69	57.32	0.0039	4851	26.89	44.96	26.92	44.94
13I0300N	13I	G010YR24HR	31.54	52.79	57.32	0.0039	5061	30.38	74.21	30.41	74.20
13I0300N	13I	G025YR24HR	30.39	53.35	57.32	0.0039	5350	33.17	91.00	33.18	91.01
13I0300N	13I	G100YR24HR	26.45	54.11	57.32	0.0039	5359	33.99	112.13	34.06	112.16
13I0400N	13I	G002YR24HR	27.03	53.51	0.00	-0.0002	4533	27.00	44.96	27.03	44.96
13I0400N	13I	G010YR24HR	30.42	54.08	0.00	-0.0002	4897	30.36	74.21	30.38	74.21
13I0400N	13I	G025YR24HR	32.84	54.37	0.00	-0.0002	5080	33.16	91.00	33.17	91.00
13I0400N	13I	G100YR24HR	31.21	54.80	0.00	-0.0002	5341	33.96	112.12	33.99	112.13
13I0610P	13I	G002YR24HR	24.29	54.75	58.95	0.0001	12173	12.42	2.41	24.22	0.64
13I0610P	13I	G010YR24HR	15.49	55.81	58.95	0.0001	13954	12.33	6.60	15.40	4.79
13I0610P	13I	G025YR24HR	14.64	56.67	58.95	0.0002	15398	12.45	10.96	14.58	9.86
13I0610P	13I	G100YR24HR	33.96	58.51	58.95	0.0003	18475	12.69	22.99	13.97	20.56
13I0620P	13I	G002YR24HR	24.29	54.75	60.95	0.0001	51045	12.50	8.39	24.50	0.57
13I0620P	13I	G010YR24HR	15.48	55.81	60.95	0.0001	55357	12.42	24.55	14.79	4.00
13I0620P	13I	G025YR24HR	14.64	56.69	60.95	0.0002	58897	12.42	38.15	13.94	8.64
13I0620P	13I	G100YR24HR	33.95	58.51	60.95	0.0003	66243	12.42	64.20	13.71	18.72
13I0700N	13I	G002YR24HR	27.95	56.71	0.00	-0.0018	3366	28.47	44.45	27.95	31.06
13I0700N	13I	G010YR24HR	19.91	57.55	0.00	-0.0018	3748	19.90	67.74	19.91	67.74
13I0700N	13I	G025YR24HR	20.56	58.27	0.00	-0.0019	4288	20.54	111.74	20.56	111.73
13I0700N	13I	G100YR24HR	19.43	59.08	0.00	-0.0016	5922	19.41	174.23	19.43	174.23
13I0900N	13I	G002YR24HR	27.92	56.85	61.40	0.0013	4552	18.58	29.27	28.47	44.45
13I0900N	13I	G010YR24HR	19.91	57.71	61.40	0.0013	5658	19.73	67.75	19.90	67.74
13I0900N	13I	G025YR24HR	20.55	59.69	61.40	0.0014	11809	20.53	133.41	20.54	111.74
13I0900N	13I	G100YR24HR	19.41	62.55	61.40	0.0015	18921	13.73	201.60	19.41	174.23
13I1000N	13I	G002YR24HR	19.18	59.12	0.00	0.0008	4945	31.09	40.82	18.70	28.75
13I1000N	13I	G010YR24HR	20.02	60.08	0.00	0.0025	6487	19.95	66.88	20.00	66.87
13I1000N	13I	G025YR24HR	20.55	60.81	0.00	0.0019	11119	20.42	110.74	20.55	132.38
13I1000N	13I	G100YR24HR	19.37	62.84	0.00	0.0019	14215	19.02	172.54	13.73	196.43
13I1500P	13I	G002YR24HR	12.78	62.42	65.25	0.0002	31768	12.42	144.29	12.59	123.50
13I1500P	13I	G010YR24HR	12.72	64.49	65.25	0.0005	38808	12.68	227.43	12.70	227.13
13I1500P	13I	G025YR24HR	12.63	64.65	65.25	0.0006	39575	12.61	327.51	12.63	327.38
13I1500P	13I	G100YR24HR	12.65	64.84	65.25	0.0007	40500	12.64	514.50	12.65	514.44
13I1502N	13I	G002YR24HR	12.80	62.94	63.38	0.0003	474	14.74	37.78	14.71	37.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13I1502N	13I	G010YR24HR	13.57	65.03	63.38	-0.0005	24799	15.24	46.29	14.95	50.52
13I1502N	13I	G025YR24HR	13.56	65.39	63.38	0.0006	28425	13.47	43.54	15.50	48.61
13I1502N	13I	G100YR24HR	13.34	65.76	63.38	0.0006	32113	13.00	47.87	13.63	47.11
13I1504N	13I	G002YR24HR	12.82	63.35	63.78	0.0014	486	14.80	37.65	14.78	37.71
13I1504N	13I	G010YR24HR	13.66	65.55	63.78	-0.0016	71228	12.94	48.13	15.24	46.19
13I1504N	13I	G025YR24HR	13.54	66.08	63.78	-0.0013	93275	12.80	67.86	13.48	43.30
13I1504N	13I	G100YR24HR	13.22	66.55	63.78	-0.0014	113958	12.62	99.23	13.02	47.33
13I1506N	13I	G002YR24HR	12.96	64.94	65.05	0.0022	2557	14.85	37.45	14.83	37.51
13I1506N	13I	G010YR24HR	13.31	66.00	65.05	0.0015	22679	16.09	36.28	16.07	36.34
13I1506N	13I	G025YR24HR	13.24	66.26	65.05	-0.0014	28181	12.34	33.83	16.79	32.86
13I1506N	13I	G100YR24HR	13.12	66.59	65.05	-0.0014	35142	12.29	38.28	11.51	33.31
13I1508N	13I	G002YR24HR	12.97	65.10	65.05	-0.0032	451	14.39	19.15	14.37	19.21
13I1508N	13I	G010YR24HR	13.31	66.00	65.05	-0.0021	451	15.90	18.55	15.88	18.62
13I1508N	13I	G025YR24HR	13.26	66.26	65.05	-0.0021	451	11.89	17.93	11.88	17.36
13I1508N	13I	G100YR24HR	13.14	66.59	65.05	-0.0021	451	11.71	18.23	11.63	17.89
13I1510N	13I	G002YR24HR	12.98	65.35	65.65	-0.0042	464	12.03	19.78	14.39	19.15
13I1510N	13I	G010YR24HR	13.30	66.00	65.65	-0.0043	21019	12.87	30.82	12.94	29.51
13I1510N	13I	G025YR24HR	13.29	66.25	65.65	-0.0027	29233	12.71	47.63	12.84	44.72
13I1510N	13I	G100YR24HR	13.15	66.60	65.65	0.0026	39140	12.66	81.58	12.67	74.70
13I1512N	13I	G002YR24HR	13.02	65.36	65.65	0.0031	1171	15.69	32.71	15.69	32.76
13I1512N	13I	G010YR24HR	13.30	66.01	65.65	0.0030	6351	16.92	31.47	16.92	31.51
13I1512N	13I	G025YR24HR	13.24	66.26	65.65	0.0024	8695	17.45	27.77	11.24	28.16
13I1512N	13I	G100YR24HR	13.12	66.59	65.65	-0.0021	11753	10.41	25.92	10.24	27.96
13I1514P	13I	G002YR24HR	13.62	65.72	65.95	0.0004	324220	12.33	93.75	14.02	34.84
13I1514P	13I	G010YR24HR	13.19	66.15	65.95	0.0002	406274	12.33	161.48	13.17	79.39
13I1514P	13I	G025YR24HR	13.01	66.32	65.95	0.0002	428565	12.33	209.20	12.95	120.34
13I1514P	13I	G100YR24HR	12.98	66.59	65.95	-0.0002	463519	12.33	292.69	12.72	191.59
13J0300N	13J	G002YR24HR	12.36	60.44	61.97	0.0006	2838	12.33	74.37	12.36	74.27
13J0300N	13J	G010YR24HR	12.25	61.49	61.97	0.0007	13875	12.23	126.17	12.25	125.85
13J0300N	13J	G025YR24HR	12.21	61.66	61.97	0.0007	16412	12.19	158.67	12.21	158.37
13J0300N	13J	G100YR24HR	12.18	61.87	61.97	0.0005	19507	12.17	211.39	12.18	211.07
13J0320N	13J	G002YR24HR	12.44	62.10	0.00	0.0003	710	12.44	68.63	12.44	68.62
13J0320N	13J	G010YR24HR	12.25	63.33	0.00	-0.0047	450	12.25	114.06	12.25	114.06
13J0320N	13J	G025YR24HR	12.20	64.05	0.00	-0.0047	1208	12.20	142.05	12.20	141.88
13J0320N	13J	G100YR24HR	12.18	65.14	0.00	-0.0043	1794	12.17	186.78	12.18	186.71
13J0340N	13J	G002YR24HR	12.46	63.06	65.05	0.0003	1137	12.45	67.84	12.44	67.83
13J0340N	13J	G010YR24HR	12.25	64.98	65.05	0.0044	482	12.24	112.14	12.25	112.13
13J0340N	13J	G025YR24HR	12.20	66.02	65.05	0.0046	2710	12.18	139.76	12.20	139.31
13J0340N	13J	G100YR24HR	12.17	66.70	65.05	0.0043	4219	12.17	183.00	12.17	182.76
13J0360N	13J	G002YR24HR	12.86	63.74	66.95	0.0002	2236	12.84	56.58	12.86	56.53
13J0360N	13J	G010YR24HR	12.28	65.83	66.95	0.0019	1779	12.84	82.91	12.95	86.21
13J0360N	13J	G025YR24HR	13.05	67.23	66.95	0.0025	2410	13.04	107.45	13.09	107.62
13J0360N	13J	G100YR24HR	12.88	67.82	66.95	0.0024	6418	12.88	147.29	12.90	147.37
13J0400N	13J	G002YR24HR	12.84	68.23	72.25	0.0002	1847	12.83	56.64	12.84	56.58
13J0400N	13J	G010YR24HR	12.84	68.86	72.25	0.0002	1587	12.83	83.00	12.84	82.91
13J0400N	13J	G025YR24HR	13.05	71.77	72.25	0.0023	845	13.04	107.50	13.04	107.45
13J0400N	13J	G100YR24HR	12.88	73.24	72.25	0.0032	4860	12.83	147.52	12.88	147.29

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J0600N	13J	G002YR24HR	12.51	71.55	74.35	0.0002	4461	12.45	44.45	12.50	44.31
13J0600N	13J	G010YR24HR	12.21	72.22	74.35	0.0003	4900	12.11	62.35	12.21	61.41
13J0600N	13J	G025YR24HR	13.09	72.88	74.35	-0.0008	5432	12.08	71.61	12.17	70.39
13J0600N	13J	G100YR24HR	12.92	74.58	74.35	0.0013	22056	12.90	242.32	12.64	94.80
13J0640N	13J	G002YR24HR	15.39	73.10	0.00	-0.0005	4060	21.18	43.60	15.10	40.62
13J0640N	13J	G010YR24HR	13.70	73.25	0.00	0.0004	4154	12.34	49.12	12.33	49.07
13J0640N	13J	G025YR24HR	13.09	73.40	0.00	0.0007	6244	12.98	63.28	12.97	63.09
13J0640N	13J	G100YR24HR	12.93	75.55	0.00	-0.0032	10965	12.64	88.95	12.93	236.28
13J0680N	13J	G002YR24HR	15.35	73.47	0.00	0.0029	544	15.19	40.34	21.18	43.47
13J0680N	13J	G010YR24HR	13.67	73.77	0.00	-0.0030	455	13.64	46.74	13.65	46.73
13J0680N	13J	G025YR24HR	13.09	74.10	0.00	0.0030	455	12.85	54.65	13.28	54.65
13J0680N	13J	G100YR24HR	12.92	75.80	0.00	0.0029	455	14.42	54.45	14.41	54.49
13J0700N	13J	G002YR24HR	15.28	74.25	75.03	0.0003	582	15.18	40.34	15.19	40.34
13J0700N	13J	G010YR24HR	13.66	75.15	75.03	-0.0006	1193	13.59	46.75	13.64	46.74
13J0700N	13J	G025YR24HR	13.01	76.18	75.03	-0.0006	4374	12.98	61.42	13.00	61.37
13J0700N	13J	G100YR24HR	12.91	76.56	75.03	0.0016	4374	12.65	83.61	12.91	83.42
13J0800N	13J	G002YR24HR	15.24	75.07	76.25	0.0003	5117	14.99	40.35	15.18	40.34
13J0800N	13J	G010YR24HR	13.64	76.22	76.25	0.0004	9946	12.95	68.95	13.59	46.75
13J0800N	13J	G025YR24HR	12.99	76.47	76.25	0.0004	18065	12.43	71.73	12.98	61.47
13J0800N	13J	G100YR24HR	12.91	76.61	76.25	0.0006	19163	12.65	85.12	12.90	84.93
13J0900N	13J	G002YR24HR	15.24	75.26	0.00	0.0016	8887	14.99	39.85	15.26	39.84
13J0900N	13J	G010YR24HR	13.64	76.24	0.00	0.0016	19371	12.92	48.39	12.95	66.11
13J0900N	13J	G025YR24HR	12.99	76.50	0.00	0.0016	30767	12.90	58.32	16.08	62.72
13J0900N	13J	G100YR24HR	12.92	76.65	0.00	0.0016	37738	12.84	79.73	12.94	79.54
13J1000N	13J	G002YR24HR	15.17	76.22	76.15	-0.0014	1239	14.95	39.85	14.99	39.85
13J1000N	13J	G010YR24HR	13.39	76.75	76.15	-0.0014	1691	12.92	48.43	12.92	48.39
13J1000N	13J	G025YR24HR	12.93	76.84	76.15	-0.0014	2484	12.89	58.33	12.90	58.32
13J1000N	13J	G100YR24HR	12.86	76.93	76.15	-0.0014	2566	12.83	79.74	12.84	79.73
13J1100N	13J	G002YR24HR	15.18	76.23	76.15	0.0043	964	17.59	37.86	17.59	37.87
13J1100N	13J	G010YR24HR	13.40	76.76	76.15	0.0036	1329	25.50	39.38	25.50	39.40
13J1100N	13J	G025YR24HR	12.93	76.84	76.15	0.0036	1411	26.02	40.05	26.00	40.07
13J1100N	13J	G100YR24HR	12.87	76.94	76.15	0.0040	1497	13.24	41.70	13.24	41.73
13J1300N	13J	G002YR24HR	15.62	76.61	77.05	0.0015	3035	17.58	37.82	17.59	37.86
13J1300N	13J	G010YR24HR	13.76	77.06	77.05	0.0014	36263	25.50	39.32	25.50	39.38
13J1300N	13J	G025YR24HR	13.43	77.17	77.05	-0.0014	39185	26.04	40.01	26.02	40.05
13J1300N	13J	G100YR24HR	13.11	77.41	77.05	-0.0015	52681	12.80	43.82	13.24	41.70
13J1400N	13J	G002YR24HR	15.68	76.65	77.05	0.0046	19503	16.36	37.81	16.51	37.94
13J1400N	13J	G010YR24HR	13.88	77.08	77.05	0.0046	46409	14.32	49.04	14.55	49.49
13J1400N	13J	G025YR24HR	13.48	77.19	77.05	0.0046	46867	13.89	55.04	14.00	55.51
13J1400N	13J	G100YR24HR	13.12	77.42	77.05	0.0046	50276	12.97	72.82	13.15	72.12
13J1600N	13J	G002YR24HR	15.83	76.86	75.95	-0.0035	93407	14.66	38.23	16.36	37.81
13J1600N	13J	G010YR24HR	14.11	77.42	75.95	-0.0035	130990	12.37	63.52	14.32	49.04
13J1600N	13J	G025YR24HR	13.73	77.61	75.95	-0.0035	141868	12.31	79.05	13.89	55.04
13J1600N	13J	G100YR24HR	13.03	77.84	75.95	-0.0035	156789	12.50	96.19	12.97	72.82
13J1800N	13J	G002YR24HR	15.66	77.15	76.95	0.0003	21250	14.15	38.80	14.66	38.23
13J1800N	13J	G010YR24HR	13.89	77.73	76.95	0.0003	46314	12.71	85.36	12.75	82.10

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13J1800N	13J	G025YR24HR	13.37	77.92	76.95	0.0003	54151	12.36	120.46	12.57	113.21
13J1800N	13J	G100YR24HR	12.64	78.26	76.95	0.0002	67087	12.48	202.17	12.56	194.00
13J1820P	13J	G002YR24HR	13.53	80.12	82.05	0.0002	28312	12.50	17.77	13.52	9.15
13J1820P	13J	G010YR24HR	13.13	81.23	82.05	0.0002	31556	12.50	36.28	13.76	24.56
13J1820P	13J	G025YR24HR	13.05	82.01	82.05	0.0002	47938	12.50	50.16	13.05	35.36
13J1820P	13J	G100YR24HR	12.53	82.18	82.05	0.0003	47938	12.42	75.37	12.53	74.59
13J1900N	13J	G002YR24HR	15.95	77.46	81.75	-0.0002	3429	16.86	31.84	16.89	31.87
13J1900N	13J	G010YR24HR	15.50	78.09	81.75	0.0002	3870	16.52	56.81	16.53	56.83
13J1900N	13J	G025YR24HR	15.47	78.34	81.75	0.0007	3821	16.43	72.42	16.41	72.44
13J1900N	13J	G100YR24HR	16.57	78.65	81.75	0.0007	4052	17.08	98.09	17.09	98.10
13J2100N	13J	G002YR24HR	16.39	77.81	82.26	0.0001	3283	16.87	31.49	16.91	31.51
13J2100N	13J	G010YR24HR	16.33	78.65	82.26	0.0002	3422	16.54	56.24	16.56	56.25
13J2100N	13J	G025YR24HR	16.47	79.30	82.26	-0.0007	3338	16.44	71.71	16.47	71.71
13J2100N	13J	G100YR24HR	17.10	80.24	82.26	-0.0007	3670	17.06	97.21	17.10	97.21
13J2200P	13J	G002YR24HR	16.97	80.13	78.45	0.0001	681954	12.33	156.34	16.87	31.49
13J2200P	13J	G010YR24HR	16.55	81.16	78.45	0.0001	1028490	12.33	260.95	16.54	56.24
13J2200P	13J	G025YR24HR	16.44	81.65	78.45	0.0001	1226758	12.34	339.59	16.44	71.71
13J2200P	13J	G100YR24HR	17.06	82.31	78.45	0.0001	1513348	12.25	466.26	17.06	97.21
13J2220P	13J	G002YR24HR	14.08	81.30	84.15	0.0001	75408	12.67	35.49	14.06	18.73
13J2220P	13J	G010YR24HR	14.08	82.77	84.15	0.0002	162918	12.68	79.34	14.06	37.15
13J2220P	13J	G025YR24HR	14.63	83.49	84.15	0.0003	285835	12.51	124.05	13.54	43.59
13J2220P	13J	G100YR24HR	15.19	84.43	84.15	0.0004	467737	12.42	179.06	12.69	44.91
13J2221P	13J	G002YR24HR	14.60	87.10	87.45	0.0001	94835	12.23	22.34	14.60	2.49
13J2221P	13J	G010YR24HR	12.86	87.46	87.45	0.0001	100377	12.15	42.95	12.86	16.82
13J2221P	13J	G025YR24HR	12.47	87.55	87.45	0.0001	101136	12.14	55.42	12.47	41.41
13J2221P	13J	G100YR24HR	12.25	87.63	87.45	0.0001	101774	12.12	77.13	12.25	73.29
13J2222P	13J	G002YR24HR	12.36	88.39	89.20	0.0001	36754	12.08	19.36	12.36	13.17
13J2222P	13J	G010YR24HR	12.24	88.64	89.20	0.0001	39521	12.08	31.68	12.24	25.56
13J2222P	13J	G025YR24HR	12.23	88.76	89.20	0.0001	40976	12.08	40.32	12.23	33.08
13J2222P	13J	G100YR24HR	12.22	88.97	89.20	0.0001	43292	12.08	55.43	12.22	45.94
13J2231N	13J	G002YR24HR	16.59	80.18	0.00	-0.0009	495	12.50	42.42	12.50	42.26
13J2231N	13J	G010YR24HR	13.80	81.39	0.00	-0.0009	495	12.53	57.37	12.54	57.17
13J2231N	13J	G025YR24HR	14.05	82.00	0.00	-0.0009	495	12.65	56.74	12.68	56.58
13J2231N	13J	G100YR24HR	14.70	82.76	0.00	-0.0017	495	12.63	57.15	12.66	56.98
13J2232N	13J	G002YR24HR	13.48	80.48	81.45	0.0005	450	12.50	41.83	12.50	41.68
13J2232N	13J	G010YR24HR	13.19	82.30	81.45	0.0005	450	12.94	76.18	12.94	76.14
13J2232N	13J	G025YR24HR	13.42	82.94	81.45	0.0005	450	13.11	86.59	13.11	86.54
13J2232N	13J	G100YR24HR	13.83	83.71	81.45	0.0011	450	13.26	95.38	13.27	95.34
13J2233P	13J	G002YR24HR	13.52	81.94	81.85	0.0001	58616	13.08	19.11	13.52	17.91
13J2233P	13J	G010YR24HR	13.20	82.33	81.85	0.0001	89501	12.92	43.95	13.50	44.02
13J2233P	13J	G025YR24HR	13.42	82.96	81.85	0.0001	142726	12.83	58.40	13.92	53.53
13J2233P	13J	G100YR24HR	13.84	83.73	81.85	0.0002	341445	12.83	79.62	14.78	61.14
13J2234P	13J	G002YR24HR	14.05	82.85	83.45	0.0001	40849	12.42	12.90	14.05	4.19
13J2234P	13J	G010YR24HR	13.25	83.29	83.45	0.0001	69298	12.42	24.25	13.25	13.01
13J2234P	13J	G025YR24HR	13.26	83.56	83.45	0.0001	90925	12.42	32.45	13.00	17.22
13J2234P	13J	G100YR24HR	13.55	84.01	83.45	0.0001	135717	12.42	46.91	12.84	21.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K0250N	13K	G002YR24HR	12.22	58.04	0.00	0.0007	510	12.22	80.51	12.22	80.51
13K0250N	13K	G010YR24HR	12.10	58.36	0.00	0.0005	510	12.08	90.31	12.10	90.30
13K0250N	13K	G025YR24HR	12.09	58.46	0.00	0.0004	510	12.08	93.08	12.09	93.05
13K0250N	13K	G100YR24HR	12.09	58.61	0.00	0.0004	510	12.08	97.20	12.09	97.16
13K0400N	13K	G002YR24HR	12.26	60.27	60.67	0.0010	7729	12.08	82.04	12.32	74.39
13K0400N	13K	G010YR24HR	12.15	60.85	60.67	0.0010	11551	12.15	89.52	12.17	89.56
13K0400N	13K	G025YR24HR	12.10	60.90	60.67	0.0010	11865	12.08	100.59	12.10	100.46
13K0400N	13K	G100YR24HR	13.74	61.21	60.67	0.0010	20160	13.73	246.43	13.74	246.43
13K0550N	13K	G002YR24HR	12.24	61.08	64.95	0.0065	494	12.09	72.69	12.54	72.63
13K0550N	13K	G010YR24HR	12.20	61.87	64.95	-0.0056	471	11.87	75.90	12.21	74.96
13K0550N	13K	G025YR24HR	15.89	62.30	64.95	-0.0057	471	15.78	88.28	15.80	88.28
13K0550N	13K	G100YR24HR	13.64	62.76	64.95	-0.0057	471	12.42	96.64	12.42	96.52
13K0650N	13K	G002YR24HR	12.24	61.68	64.35	0.0018	552	12.09	62.88	12.09	62.59
13K0650N	13K	G010YR24HR	12.61	63.02	64.35	0.0065	4627	13.52	72.14	14.54	72.25
13K0650N	13K	G025YR24HR	15.92	64.46	64.35	0.0064	25119	15.87	97.09	15.92	97.06
13K0650N	13K	G100YR24HR	13.75	65.02	64.35	0.0066	44589	13.72	241.40	13.75	241.32
13K0750N	13K	G002YR24HR	12.23	62.69	64.95	0.0021	1373	12.08	63.87	12.09	62.88
13K0750N	13K	G010YR24HR	12.80	64.37	64.95	0.0021	102608	12.08	97.88	13.52	72.14
13K0750N	13K	G025YR24HR	15.88	65.25	64.95	0.0022	204796	12.23	125.15	15.87	97.09
13K0750N	13K	G100YR24HR	13.72	65.73	64.95	0.0020	213515	13.56	243.92	13.72	241.40
13K0820N	13K	G002YR24HR	12.76	63.23	62.63	0.0014	2817	13.34	33.67	13.34	34.09
13K0820N	13K	G010YR24HR	12.82	64.41	62.63	0.0015	4773	24.63	34.28	24.64	34.60
13K0820N	13K	G025YR24HR	15.88	65.27	62.63	0.0018	5672	26.55	35.68	26.55	35.94
13K0820N	13K	G100YR24HR	13.72	65.77	62.63	0.0014	6315	28.80	35.84	28.80	36.10
13K0860N	13K	G002YR24HR	12.84	63.42	62.12	0.0006	3222	19.16	20.65	19.07	20.66
13K0860N	13K	G010YR24HR	12.87	64.51	62.12	0.0006	4859	29.46	20.60	29.46	20.65
13K0860N	13K	G025YR24HR	15.88	65.43	62.12	0.0004	5862	32.15	20.59	32.15	20.64
13K0860N	13K	G100YR24HR	13.73	65.91	62.12	0.0004	6489	34.44	20.59	34.44	20.64
13K0900P	13K	G002YR24HR	12.85	63.37	63.95	0.0002	52584	12.08	16.19	13.34	6.77
13K0900P	13K	G010YR24HR	12.81	64.40	63.95	0.0003	82516	12.08	26.81	13.55	9.75
13K0900P	13K	G025YR24HR	15.88	65.26	63.95	0.0003	100588	12.08	34.25	15.88	12.64
13K0900P	13K	G100YR24HR	13.72	65.76	63.95	0.0004	112237	13.22	72.44	13.66	68.35
13K1100N	13K	G002YR24HR	12.93	64.34	67.75	0.0008	2667	13.14	26.37	13.34	26.60
13K1100N	13K	G010YR24HR	13.45	65.90	67.75	0.0008	4273	14.23	34.24	14.32	34.37
13K1100N	13K	G025YR24HR	15.73	67.20	67.75	0.0008	5605	14.76	37.15	22.31	37.21
13K1100N	13K	G100YR24HR	13.60	67.52	67.75	0.0008	5935	12.65	37.04	25.09	37.27
13K1150P	13K	G002YR24HR	12.95	64.69	62.45	0.0006	49935	12.17	35.23	13.27	6.05
13K1150P	13K	G010YR24HR	13.70	66.47	62.45	0.0005	88613	12.13	66.80	14.26	7.85
13K1150P	13K	G025YR24HR	15.56	67.87	62.45	0.0004	118899	12.13	87.99	14.82	8.49
13K1150P	13K	G100YR24HR	13.33	68.13	62.45	0.0004	124718	12.10	124.82	21.48	8.46
13K1300N	13K	G002YR24HR	12.94	64.69	67.75	0.0008	10230	12.25	42.02	12.24	39.10
13K1300N	13K	G010YR24HR	13.69	66.48	67.75	-0.0006	20786	12.17	73.18	12.20	59.59
13K1300N	13K	G025YR24HR	15.54	67.87	67.75	-0.0006	30450	12.17	92.31	12.19	73.34
13K1300N	13K	G100YR24HR	13.33	68.13	67.75	-0.0006	32452	12.28	130.25	12.28	102.45
13K1500N	13K	G002YR24HR	12.25	73.73	0.00	0.0003	5281	12.13	24.32	12.25	23.20
13K1500N	13K	G010YR24HR	12.15	74.31	0.00	0.0003	5853	12.08	39.96	12.15	39.00
13K1500N	13K	G025YR24HR	12.14	74.57	0.00	0.0003	6117	12.08	48.10	12.14	46.97

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13K1500N	13K	G100YR24HR	12.12	74.94	0.00	-0.0003	6512	13.55	78.10	13.59	78.06
13K1600N	13K	G002YR24HR	18.50	74.62	0.00	0.0003	2956	18.50	19.46	18.53	19.46
13K1600N	13K	G010YR24HR	16.00	74.97	0.00	0.0003	3046	17.09	25.31	17.04	25.31
13K1600N	13K	G025YR24HR	12.16	75.10	0.00	0.0003	3132	14.58	27.52	14.63	27.52
13K1600N	13K	G100YR24HR	12.14	75.39	0.00	0.0003	3263	13.50	33.08	12.34	33.20
13K1750N	13K	G002YR24HR	18.51	74.72	0.00	-0.0004	18561	18.19	18.89	18.75	18.90
13K1750N	13K	G010YR24HR	16.01	75.07	0.00	-0.0004	18561	16.60	38.77	16.39	38.94
13K1750N	13K	G025YR24HR	14.67	75.13	0.00	-0.0004	18561	14.77	46.02	14.81	46.05
13K1750N	13K	G100YR24HR	13.60	75.46	0.00	-0.0004	20730	13.59	77.23	13.66	77.33
13K2000N	13K	G002YR24HR	20.17	79.09	0.00	0.0000	3485	20.09	4.15	20.17	4.15
13K2000N	13K	G010YR24HR	20.23	79.38	0.00	0.0000	3640	20.14	6.54	20.23	6.54
13K2000N	13K	G025YR24HR	20.22	79.53	0.00	0.0000	3738	20.14	8.24	20.22	8.24
13K2000N	13K	G100YR24HR	20.31	79.73	0.00	0.0001	3868	20.23	10.80	20.31	10.80
13K2240P	13K	G002YR24HR	12.41	80.33	0.00	0.0001	43560	12.08	23.56	12.41	14.19
13K2240P	13K	G010YR24HR	12.23	80.59	0.00	0.0001	43560	12.08	37.79	12.23	31.00
13K2240P	13K	G025YR24HR	12.21	80.72	0.00	0.0001	43560	12.08	47.77	12.21	40.50
13K2240P	13K	G100YR24HR	12.19	80.91	0.00	0.0001	43560	12.08	65.27	12.19	56.64
13K3050P	13K	G002YR24HR	12.57	78.23	0.00	0.0000	276768	12.08	39.18	12.57	23.12
13K3050P	13K	G010YR24HR	12.99	78.44	0.00	0.0000	305961	12.54	79.02	12.99	62.21
13K3050P	13K	G025YR24HR	12.70	78.54	0.00	0.0001	320706	12.29	116.20	12.70	90.26
13K3050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	340651	12.08	170.31	12.46	137.93
13K3200P	13K	G002YR24HR	12.56	80.87	81.95	0.0001	20583	12.42	34.17	12.56	32.01
13K3200P	13K	G010YR24HR	12.53	81.38	81.95	0.0002	21233	12.33	54.52	12.53	51.78
13K3200P	13K	G025YR24HR	12.52	81.69	81.95	0.0002	21642	12.33	68.82	12.52	65.71
13K3200P	13K	G100YR24HR	12.42	82.02	81.95	0.0002	21980	12.33	93.92	12.42	93.69
13K4050P	13K	G002YR24HR	14.37	78.23	0.00	0.0001	395673	12.10	58.06	14.78	11.09
13K4050P	13K	G010YR24HR	13.01	78.44	0.00	0.0001	415065	12.08	95.04	13.26	41.30
13K4050P	13K	G025YR24HR	12.71	78.54	0.00	0.0001	424303	12.08	120.58	12.83	61.14
13K4050P	13K	G100YR24HR	12.46	78.68	0.00	0.0001	436892	12.08	167.03	12.49	106.88
13K4200P	13K	G002YR24HR	12.20	80.56	85.95	0.0009	124	12.17	24.25	12.18	24.18
13K4200P	13K	G010YR24HR	12.97	81.70	85.95	-0.0215	105493	12.17	50.03	12.94	25.19
13K4200P	13K	G025YR24HR	13.08	82.32	85.95	-0.0234	170994	12.30	88.55	13.24	27.30
13K4200P	13K	G100YR24HR	13.23	83.01	85.95	-0.0241	254643	12.17	158.02	13.60	29.59
13K4400P	13K	G002YR24HR	12.72	81.20	82.15	0.0002	32671	12.08	24.52	12.71	7.72
13K4400P	13K	G010YR24HR	12.60	82.46	82.15	0.0003	32671	12.08	39.68	12.59	16.27
13K4400P	13K	G025YR24HR	12.35	82.63	82.15	0.0003	32671	12.08	50.30	12.34	34.02
13K4400P	13K	G100YR24HR	13.22	83.02	82.15	0.0004	32671	12.08	68.91	12.16	61.65
13L0020N	13L	G002YR24HR	12.10	53.44	53.95	0.0016	783	12.08	9.26	12.10	9.09
13L0020N	13L	G010YR24HR	12.08	54.08	53.95	0.0016	559	12.08	17.29	12.08	17.26
13L0020N	13L	G025YR24HR	12.08	54.15	53.95	0.0016	559	12.08	23.68	12.08	23.66
13L0020N	13L	G100YR24HR	14.34	54.50	53.95	0.0052	495	12.08	35.79	12.08	35.77
13L0040P	13L	G002YR24HR	24.30	53.05	53.23	0.0000	601710	12.25	92.79	4.04	2.95
13L0040P	13L	G010YR24HR	24.28	53.82	53.23	0.0001	688050	12.25	165.19	23.19	3.41
13L0040P	13L	G025YR24HR	18.72	54.13	53.23	0.0001	739779	12.25	220.32	59.72	2.99
13L0040P	13L	G100YR24HR	14.33	54.57	53.23	0.0001	828218	12.25	316.67	1.70	18.64
13L0200N	13L	G002YR24HR	30.98	51.85	54.35	0.0000	10474	26.39	78.59	26.43	78.55

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L0200N	13L	G010YR24HR	29.34	52.98	54.35	0.0001	11673	25.48	156.08	24.42	154.38
13L0200N	13L	G025YR24HR	29.11	53.54	54.35	0.0012	11844	42.86	210.69	26.87	194.01
13L0200N	13L	G100YR24HR	27.62	54.26	54.35	0.0011	17179	28.43	285.43	28.44	285.45
13L0400N	13L	G002YR24HR	30.72	51.87	54.85	0.0000	39902	26.23	78.75	26.39	78.59
13L0400N	13L	G010YR24HR	29.08	53.01	54.85	0.0001	41019	25.00	154.43	25.48	156.01
13L0400N	13L	G025YR24HR	28.54	53.74	54.85	-0.0003	39875	26.76	194.22	42.86	210.69
13L0400N	13L	G100YR24HR	28.01	54.72	54.85	-0.0003	39875	28.37	285.40	28.43	285.43
13L0820P	13L	G002YR24HR	30.69	51.88	53.95	0.0001	49032	12.25	35.44	12.39	33.90
13L0820P	13L	G010YR24HR	29.04	53.02	53.95	0.0001	71575	12.25	60.79	12.33	59.70
13L0820P	13L	G025YR24HR	28.52	53.75	53.95	0.0001	89130	12.25	78.63	12.31	77.50
13L0820P	13L	G100YR24HR	28.01	54.73	53.95	0.0001	134621	12.25	109.83	12.25	104.20
13L1020P	13L	G002YR24HR	14.70	54.65	56.35	0.0001	160094	12.33	34.31	14.70	5.98
13L1020P	13L	G010YR24HR	13.06	54.93	56.35	0.0001	167915	12.33	58.70	13.06	32.97
13L1020P	13L	G025YR24HR	12.80	55.03	56.35	0.0001	171150	12.33	75.86	12.80	54.48
13L1020P	13L	G100YR24HR	12.60	55.17	56.35	0.0001	175432	12.33	105.88	12.60	92.04
13L1202N	GEE	G002YR24HR	12.88	60.54	60.58	0.0002	25354	12.33	11.57	12.65	8.37
13L1202N	GEE	G010YR24HR	13.61	61.60	60.58	0.0001	61115	12.33	23.90	12.09	9.43
13L1202N	GEE	G025YR24HR	13.98	62.26	60.58	0.0001	73074	12.33	33.08	11.88	9.08
13L1202N	GEE	G100YR24HR	14.45	63.27	60.58	0.0002	91909	12.33	49.55	11.68	8.57
13L1203N	GEE	G002YR24HR	12.88	60.50	60.65	-0.0017	1040	12.65	9.83	12.75	8.82
13L1203N	GEE	G010YR24HR	13.61	61.60	60.65	0.0042	4827	12.09	12.11	12.93	9.05
13L1203N	GEE	G025YR24HR	13.97	62.26	60.65	0.0028	5879	11.88	11.13	12.99	9.14
13L1203N	GEE	G100YR24HR	14.45	63.26	60.65	-0.0028	7413	12.33	12.50	13.18	9.21
13L1400N	13L	G002YR24HR	24.55	52.18	53.95	0.0001	9081	15.12	118.81	15.14	118.67
13L1400N	13L	G010YR24HR	24.96	53.31	53.95	0.0001	10165	15.61	245.85	15.62	245.64
13L1400N	13L	G025YR24HR	25.73	54.05	53.95	0.0001	10176	15.11	321.90	15.11	321.67
13L1400N	13L	G100YR24HR	26.25	55.12	53.95	0.0002	10193	14.17	448.80	14.17	448.38
13L1600N	13L	G002YR24HR	16.30	52.41	53.95	0.0001	4682	15.11	118.87	15.12	118.81
13L1600N	13L	G010YR24HR	16.90	53.62	53.95	0.0001	4794	15.60	245.92	15.61	245.85
13L1600N	13L	G025YR24HR	24.22	54.26	53.95	0.0001	4798	15.10	321.97	15.11	321.90
13L1600N	13L	G100YR24HR	24.51	55.36	53.95	0.0002	4806	14.16	448.93	14.17	448.80
13L1825N	13L	G002YR24HR	12.72	54.48	57.35	0.0003	10236	12.69	200.41	12.72	200.36
13L1825N	13L	G010YR24HR	13.10	55.25	57.35	-0.0006	11851	13.13	309.63	13.10	318.16
13L1825N	13L	G025YR24HR	13.88	55.69	57.35	-0.0012	13004	12.92	367.70	12.53	367.26
13L1825N	13L	G100YR24HR	13.73	56.94	57.35	-0.0013	15131	12.75	477.44	12.75	473.52
13L1875P	13L	G002YR24HR	12.66	54.90	58.15	0.0002	134221	12.21	191.04	12.56	152.95
13L1875P	13L	G010YR24HR	13.10	55.84	58.15	0.0002	299621	12.25	296.31	13.14	227.61
13L1875P	13L	G025YR24HR	13.85	56.28	58.15	0.0002	395764	12.25	374.67	13.03	291.58
13L1875P	13L	G100YR24HR	13.74	57.03	58.15	0.0003	585522	12.25	513.04	12.77	408.85
13L1895P	13L	G002YR24HR	16.32	55.79	58.25	0.0002	74514	13.55	51.51	16.32	30.83
13L1895P	13L	G010YR24HR	15.70	56.57	58.25	0.0002	87623	19.65	35.33	19.34	37.64
13L1895P	13L	G025YR24HR	15.11	56.97	58.25	0.0003	93900	12.09	61.97	24.72	35.78
13L1895P	13L	G100YR24HR	15.09	57.94	58.25	0.0002	109808	11.65	70.30	36.25	26.04
13L1950P	13L	G002YR24HR	16.31	55.80	55.95	0.0001	1118557	12.59	218.72	16.18	79.54
13L1950P	13L	G010YR24HR	15.70	56.57	55.95	0.0001	1195304	12.42	398.17	15.86	186.76
13L1950P	13L	G025YR24HR	15.11	56.98	55.95	0.0001	1237837	12.33	491.68	15.55	230.47
13L1950P	13L	G100YR24HR	15.09	57.94	55.95	0.0001	1330092	12.62	617.27	15.24	310.98

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L1975P	13L	G002YR24HR	19.85	55.74	55.95	0.0002	209923	12.25	11.30	24.83	1.66
13L1975P	13L	G010YR24HR	15.72	56.58	55.95	0.0002	228662	12.25	17.67	18.49	7.75
13L1975P	13L	G025YR24HR	15.11	56.98	55.95	0.0002	238817	12.98	41.81	21.62	7.84
13L1975P	13L	G100YR24HR	15.08	57.95	55.95	0.0004	265522	12.79	153.27	14.26	126.43
13L2050P	13L	G002YR24HR	13.04	57.27	55.95	0.0022	258870	12.31	125.84	13.01	96.17
13L2050P	13L	G010YR24HR	13.30	58.07	55.95	0.0022	302961	12.21	204.66	13.77	149.67
13L2050P	13L	G025YR24HR	13.12	58.41	55.95	0.0022	313899	12.17	234.80	13.35	172.22
13L2050P	13L	G100YR24HR	13.97	58.86	55.95	0.0023	326547	12.08	278.33	13.92	251.55
13L2150N	13L	G002YR24HR	12.49	60.60	67.25	0.0004	547	12.49	92.73	12.49	92.73
13L2150N	13L	G010YR24HR	12.62	62.52	67.25	0.0006	495	12.62	144.25	12.62	144.25
13L2150N	13L	G025YR24HR	12.54	62.87	67.25	0.0007	494	12.54	151.89	12.54	151.89
13L2150N	13L	G100YR24HR	13.81	68.29	67.25	0.0007	446	13.80	239.82	13.81	239.81
13L2300P	13L	G002YR24HR	12.49	65.03	67.25	0.0002	28376	12.37	93.62	12.49	92.73
13L2300P	13L	G010YR24HR	12.62	66.12	67.25	0.0002	31803	12.22	154.12	12.62	144.25
13L2300P	13L	G025YR24HR	12.54	66.87	67.25	0.0003	38985	12.17	184.03	12.54	151.89
13L2300P	13L	G100YR24HR	13.81	68.71	67.25	0.0005	99848	13.47	251.52	13.80	239.82
13L2400N	13L	G002YR24HR	12.57	67.05	71.05	0.0008	566	12.56	84.96	12.56	84.96
13L2400N	13L	G010YR24HR	12.43	68.84	71.05	0.0008	147	12.42	135.39	12.43	135.39
13L2400N	13L	G025YR24HR	12.35	70.09	71.05	0.0010	147	12.19	153.53	12.19	153.51
13L2400N	13L	G100YR24HR	13.53	72.85	71.05	0.0012	70643	13.33	250.72	13.48	246.31
13L2520P	13L	G002YR24HR	12.17	75.55	78.95	0.0000	5445	12.17	21.56	12.17	21.49
13L2520P	13L	G010YR24HR	12.17	75.72	78.95	0.0001	5445	12.17	42.55	12.17	42.51
13L2520P	13L	G025YR24HR	12.17	75.83	78.95	0.0001	5445	12.17	57.91	12.17	57.91
13L2520P	13L	G100YR24HR	12.11	76.01	78.95	0.0001	5445	12.08	85.67	12.11	85.52
13L2540P	13L	G002YR24HR	12.33	73.22	78.95	0.0002	6534	12.08	10.03	12.33	7.06
13L2540P	13L	G010YR24HR	12.30	73.96	78.95	0.0003	6534	12.08	15.96	12.28	11.77
13L2540P	13L	G025YR24HR	12.21	74.26	78.95	0.0003	6534	12.08	20.12	12.20	16.89
13L2540P	13L	G100YR24HR	12.33	74.92	78.95	0.0004	6534	12.08	27.42	12.11	21.96
13L2560P	13L	G002YR24HR	12.18	82.32	88.95	0.0000	28314	12.08	26.85	12.18	26.54
13L2560P	13L	G010YR24HR	12.17	82.41	88.95	0.0000	28314	12.08	45.34	12.17	44.82
13L2560P	13L	G025YR24HR	12.16	82.47	88.95	0.0000	28314	12.08	58.32	12.16	57.64
13L2560P	13L	G100YR24HR	12.15	82.56	88.95	0.0000	28314	12.08	81.00	12.15	80.09
13L2700N	13L	G002YR24HR	15.96	71.18	74.35	-0.0013	2402	15.51	49.30	12.49	57.91
13L2700N	13L	G010YR24HR	12.95	72.43	74.35	0.0013	3118	12.89	109.04	12.91	108.87
13L2700N	13L	G025YR24HR	12.92	73.86	74.35	-0.0014	3821	12.61	161.37	12.63	160.23
13L2700N	13L	G100YR24HR	12.99	74.62	74.35	0.0014	7405	12.40	255.16	12.41	254.46
13L2720P	13L	G002YR24HR	12.80	73.64	74.95	0.0001	19176	12.08	10.64	12.71	2.98
13L2720P	13L	G010YR24HR	13.14	74.65	74.95	0.0002	24579	12.08	18.30	12.44	3.02
13L2720P	13L	G025YR24HR	13.69	75.39	74.95	0.0003	27283	12.08	23.69	18.46	2.92
13L2720P	13L	G100YR24HR	12.82	76.15	74.95	0.0003	29266	12.08	33.11	12.82	8.38
13L2750P	13L	G002YR24HR	16.97	77.95	80.50	0.0002	83861	12.17	53.08	16.97	2.92
13L2750P	13L	G010YR24HR	12.88	78.41	80.50	0.0003	87314	12.17	85.97	12.88	38.43
13L2750P	13L	G025YR24HR	12.58	78.68	80.50	0.0003	89417	12.17	109.02	12.58	72.92
13L2750P	13L	G100YR24HR	12.38	79.02	80.50	0.0003	92081	12.17	149.39	12.38	130.00
13L2800N	13L	G002YR24HR	15.90	72.42	77.75	0.0006	4462	15.63	45.35	15.80	45.50
13L2800N	13L	G010YR24HR	13.01	73.01	77.75	0.0006	4819	13.75	67.53	13.77	67.70

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13L2800N	13L	G025YR24HR	13.00	74.12	77.75	0.0006	5303	13.58	85.30	13.64	85.52
13L2800N	13L	G100YR24HR	13.01	75.00	77.75	0.0006	6578	13.01	148.40	13.02	148.41
13L3000N	13L	G002YR24HR	15.67	74.26	77.95	0.0004	4119	15.65	45.35	15.63	45.35
13L3000N	13L	G010YR24HR	13.79	74.79	77.95	0.0004	4253	13.77	67.53	13.75	67.53
13L3000N	13L	G025YR24HR	13.61	75.22	77.95	0.0004	4300	13.58	85.31	13.58	85.30
13L3000N	13L	G100YR24HR	13.01	77.54	77.95	0.0005	5060	12.94	148.98	13.01	148.40
13L3100N	13L	G002YR24HR	15.67	74.89	80.75	0.0005	5794	15.63	45.15	15.66	45.14
13L3100N	13L	G010YR24HR	13.81	75.41	80.75	0.0005	5592	13.79	66.99	13.83	66.98
13L3100N	13L	G025YR24HR	13.62	75.80	80.75	0.0005	5656	13.61	84.53	13.65	84.53
13L3100N	13L	G100YR24HR	13.01	77.75	80.75	0.0005	5268	12.83	149.38	12.95	146.90
13L3140P	13L	G002YR24HR	13.66	82.67	84.55	0.0001	184710	12.25	60.52	13.64	13.11
13L3140P	13L	G010YR24HR	13.53	83.46	84.55	0.0001	201234	12.17	102.28	13.51	24.08
13L3140P	13L	G025YR24HR	13.51	84.00	84.55	0.0002	213286	12.17	131.82	13.51	31.21
13L3140P	13L	G100YR24HR	12.88	84.51	84.55	0.0002	229348	12.17	183.48	12.88	87.93
13M0300N	13M	G002YR24HR	15.83	52.08	54.55	0.0001	7078	14.83	21.04	14.91	20.98
13M0300N	13M	G010YR24HR	27.82	53.34	54.55	0.0001	8029	14.23	35.81	14.68	35.59
13M0300N	13M	G025YR24HR	30.28	54.31	54.55	0.0001	11248	13.95	40.07	14.11	39.50
13M0300N	13M	G100YR24HR	36.91	55.57	54.55	0.0001	15336	46.01	41.40	46.12	41.56
13M0850N	13M	G002YR24HR	12.22	52.41	57.28	-0.0020	730	12.21	52.06	12.21	52.04
13M0850N	13M	G010YR24HR	12.19	53.67	57.28	-0.0020	629	12.18	76.26	12.19	76.24
13M0850N	13M	G025YR24HR	26.96	54.52	57.28	-0.0020	492	12.11	81.00	12.12	81.00
13M0850N	13M	G100YR24HR	36.23	55.88	57.28	-0.0020	452	12.16	86.53	12.17	86.53
13M0950N	13M	G002YR24HR	12.21	54.39	56.26	-0.0019	683	12.21	49.70	12.21	49.69
13M0950N	13M	G010YR24HR	12.20	55.25	56.26	-0.0021	557	12.19	72.13	12.20	72.13
13M0950N	13M	G025YR24HR	12.16	55.67	56.26	0.0028	458	12.27	75.54	12.29	75.65
13M0950N	13M	G100YR24HR	12.20	56.46	56.26	-0.0019	458	12.29	79.31	12.31	79.38
13M0970N	13M	G002YR24HR	12.19	55.35	55.81	0.0013	436	12.12	11.83	12.17	11.55
13M0970N	13M	G010YR24HR	12.16	57.03	55.81	0.0014	436	12.09	16.28	12.12	15.78
13M0970N	13M	G025YR24HR	12.13	57.42	55.81	0.0014	436	11.97	16.91	12.01	15.85
13M0970N	13M	G100YR24HR	12.16	57.79	55.81	0.0013	436	11.86	17.02	11.89	15.77
13M0990P	13M	G002YR24HR	12.12	58.17	57.95	0.0001	10890	12.08	14.84	12.12	14.22
13M0990P	13M	G010YR24HR	12.11	58.30	57.95	0.0001	10890	12.08	24.21	12.09	23.64
13M0990P	13M	G025YR24HR	12.11	58.40	57.95	0.0001	10890	12.08	30.77	12.11	29.74
13M0990P	13M	G100YR24HR	12.10	58.54	57.95	0.0001	10890	12.08	42.25	12.10	41.39
13M1100N	13M	G002YR24HR	12.23	54.68	56.35	0.0006	2436	12.21	27.93	12.26	28.03
13M1100N	13M	G010YR24HR	12.29	56.36	56.35	0.0012	35063	12.13	41.61	12.36	41.38
13M1100N	13M	G025YR24HR	12.44	56.82	56.35	0.0012	46775	12.14	57.26	12.78	48.11
13M1100N	13M	G100YR24HR	12.56	57.72	56.35	0.0013	62277	12.14	80.60	12.50	63.06
13M1200N	13M	G002YR24HR	12.23	55.48	56.85	0.0002	2835	12.19	26.12	12.23	25.93
13M1200N	13M	G010YR24HR	12.28	56.46	56.85	0.0006	4599	12.09	37.75	12.25	35.79
13M1200N	13M	G025YR24HR	12.43	56.88	56.85	0.0007	5300	12.15	45.79	19.03	43.87
13M1200N	13M	G100YR24HR	12.55	57.75	56.85	0.0007	13018	12.18	61.70	12.44	56.95
13M1400N	13M	G002YR24HR	12.21	56.12	58.58	0.0002	4653	12.14	23.80	12.21	23.18
13M1400N	13M	G010YR24HR	12.28	56.64	58.58	0.0003	5309	12.09	34.50	12.10	32.30
13M1400N	13M	G025YR24HR	12.41	56.98	58.58	0.0003	5887	12.15	41.09	12.15	39.32
13M1400N	13M	G100YR24HR	12.53	57.85	58.58	0.0003	8083	12.20	57.57	12.34	54.17

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M1500N	13M	G002YR24HR	12.17	56.67	58.65	0.0002	4687	12.09	20.03	12.16	19.09
13M1500N	13M	G010YR24HR	12.29	57.05	58.65	0.0002	5090	12.08	27.53	12.10	26.33
13M1500N	13M	G025YR24HR	12.38	57.30	58.65	0.0002	5429	19.58	37.49	19.61	37.49
13M1500N	13M	G100YR24HR	12.49	58.04	58.65	0.0003	6573	13.39	48.89	13.39	49.03
13M1520P	13M	G002YR24HR	12.11	61.37	61.45	0.0003	4356	12.08	11.19	12.11	10.89
13M1520P	13M	G010YR24HR	12.34	61.63	61.45	-0.0004	38302	12.08	18.20	11.93	12.80
13M1520P	13M	G025YR24HR	12.41	61.82	61.45	-0.0005	41452	12.08	23.10	12.41	13.81
13M1520P	13M	G100YR24HR	12.35	62.03	61.45	-0.0004	44794	12.08	31.69	12.35	21.27
13M1600N	13M	G002YR24HR	24.56	56.69	61.04	0.0003	694	24.33	8.32	24.40	8.32
13M1600N	13M	G010YR24HR	21.36	57.73	61.04	0.0003	638	21.28	24.70	21.48	24.70
13M1600N	13M	G025YR24HR	19.85	58.69	61.04	-0.0005	527	19.81	36.15	20.07	36.15
13M1600N	13M	G100YR24HR	21.29	60.00	61.04	-0.0063	449	19.18	44.05	19.18	44.04
13M1925P	13M	G002YR24HR	12.86	63.39	66.95	0.0002	21780	12.08	23.42	12.86	8.11
13M1925P	13M	G010YR24HR	12.88	64.93	66.95	0.0003	21780	12.08	37.09	12.88	12.36
13M1925P	13M	G025YR24HR	12.94	66.13	66.95	0.0004	21780	12.08	46.71	12.94	14.13
13M1925P	13M	G100YR24HR	12.69	67.62	66.95	0.0006	26129	12.08	63.59	12.69	28.72
13M2317N	13M	G002YR24HR	13.93	59.45	0.00	0.0003	2959	13.88	25.67	13.93	25.64
13M2317N	13M	G010YR24HR	13.22	59.92	0.00	-0.0011	2792	12.41	36.27	13.53	32.34
13M2317N	13M	G025YR24HR	16.34	59.97	0.00	0.0008	2637	12.26	36.38	12.87	34.13
13M2317N	13M	G100YR24HR	17.00	61.35	0.00	-0.0010	2229	12.10	36.48	12.69	34.60
13M2318N	13M	G002YR24HR	13.90	60.11	0.00	-0.0011	2344	12.34	30.86	13.88	25.67
13M2318N	13M	G010YR24HR	15.05	60.22	0.00	0.0013	2337	13.05	32.14	12.41	36.27
13M2318N	13M	G025YR24HR	12.26	60.20	0.00	0.0010	2380	12.88	33.57	12.26	36.38
13M2318N	13M	G100YR24HR	16.13	61.58	0.00	0.0011	2196	12.71	35.16	12.10	36.48
13M2319N	13M	G002YR24HR	12.34	60.27	0.00	0.0021	2534	12.93	25.84	12.34	30.86
13M2319N	13M	G010YR24HR	13.07	60.32	0.00	0.0017	2532	13.04	32.14	13.05	32.14
13M2319N	13M	G025YR24HR	12.90	60.38	0.00	0.0017	2530	12.87	33.57	12.88	33.57
13M2319N	13M	G100YR24HR	16.06	61.64	0.00	0.0013	2386	12.70	35.17	12.71	35.16
13M2320N	13M	G002YR24HR	12.34	60.44	0.00	0.0003	2493	12.92	26.05	12.93	25.84
13M2320N	13M	G010YR24HR	13.06	60.67	0.00	-0.0002	2487	13.01	32.15	13.04	32.14
13M2320N	13M	G025YR24HR	12.89	60.73	0.00	-0.0002	2485	12.83	33.59	12.87	33.57
13M2320N	13M	G100YR24HR	15.96	61.73	0.00	-0.0002	2374	12.66	35.18	12.70	35.17
13M2330P	13M	G002YR24HR	13.25	68.78	68.00	0.0002	51574	12.10	37.96	14.89	16.45
13M2330P	13M	G010YR24HR	12.92	69.91	68.00	0.0004	84075	12.14	73.10	12.91	35.36
13M2330P	13M	G025YR24HR	12.75	70.23	68.00	0.0004	93199	12.08	97.29	12.74	61.20
13M2330P	13M	G100YR24HR	12.62	70.67	68.00	0.0004	105893	12.11	134.28	12.61	107.36
13M2331N	13M	G002YR24HR	13.24	68.77	0.00	0.0004	3883	12.12	22.24	12.13	22.22
13M2331N	13M	G010YR24HR	12.92	69.91	0.00	0.0004	11120	12.10	38.12	12.08	37.47
13M2331N	13M	G025YR24HR	12.74	70.23	0.00	0.0005	13343	12.09	49.30	12.09	42.47
13M2331N	13M	G100YR24HR	12.61	70.67	0.00	0.0005	16425	12.09	68.94	12.11	56.22
13M2332P	13M	G002YR24HR	12.17	74.04	74.45	0.0001	6359	12.08	13.08	12.17	12.71
13M2332P	13M	G010YR24HR	12.16	74.26	74.45	0.0001	6622	12.08	21.60	12.16	21.14
13M2332P	13M	G025YR24HR	12.14	74.38	74.45	0.0001	6985	12.08	27.57	12.14	27.05
13M2332P	13M	G100YR24HR	12.13	74.55	74.45	0.0001	7624	12.08	38.01	12.13	37.43
13M2333N	13M	G002YR24HR	12.92	66.99	0.00	0.0005	2192	13.66	27.28	12.92	26.05
13M2333N	13M	G010YR24HR	13.01	68.42	0.00	0.0004	2193	12.78	32.30	13.01	32.15
13M2333N	13M	G025YR24HR	12.83	68.80	0.00	0.0004	2193	12.60	33.81	12.83	33.59

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13M2333N	13M	G100YR24HR	12.66	69.24	0.00	0.0004	2182	12.42	35.73	12.66	35.18
13M2334N	13M	G002YR24HR	13.23	68.81	67.86	0.0094	448	12.71	23.69	12.71	23.60
13M2334N	13M	G010YR24HR	12.91	69.95	67.86	0.0094	448	12.57	42.85	12.59	42.72
13M2334N	13M	G025YR24HR	12.74	70.29	67.86	0.0094	448	12.59	57.78	12.59	57.72
13M2334N	13M	G100YR24HR	12.61	70.75	67.86	0.0094	448	12.55	84.64	12.55	84.62
13M2335N	13M	G002YR24HR	12.83	70.49	70.00	0.0041	24607	12.35	22.76	12.80	21.29
13M2335N	13M	G010YR24HR	12.73	70.75	70.00	0.0041	30037	12.59	38.71	12.71	37.99
13M2335N	13M	G025YR24HR	12.68	70.92	70.00	0.0041	33865	12.57	52.51	12.68	51.54
13M2335N	13M	G100YR24HR	12.64	71.17	70.00	0.0041	40487	12.53	76.77	12.64	75.42
13M2340P	13M	G002YR24HR	12.78	71.19	70.95	0.0001	104228	12.25	30.99	12.77	19.26
13M2340P	13M	G010YR24HR	12.72	71.50	70.95	0.0001	112670	12.25	51.21	12.72	33.76
13M2340P	13M	G025YR24HR	12.67	71.67	70.95	0.0001	124305	12.25	65.41	12.67	45.67
13M2340P	13M	G100YR24HR	12.62	71.90	70.95	0.0001	143195	12.25	90.30	12.62	66.42
13N0050P	13N	G002YR24HR	25.50	54.29	60.00	0.0001	73102	12.08	21.38	0.00	0.00
13N0050P	13N	G010YR24HR	25.50	55.62	60.00	0.0001	83542	12.08	40.41	0.00	0.00
13N0050P	13N	G025YR24HR	25.50	56.47	60.00	0.0002	98551	12.08	54.14	0.00	0.00
13N0050P	13N	G100YR24HR	25.50	57.82	60.00	0.0003	167310	12.08	78.35	0.00	0.00
13N0100P	13N	G002YR24HR	14.04	53.66	55.50	0.0002	90398	12.08	26.99	12.55	6.30
13N0100P	13N	G010YR24HR	13.88	54.38	55.50	0.0002	97965	12.08	49.52	12.14	18.95
13N0100P	13N	G025YR24HR	14.04	54.96	55.50	0.0002	104121	12.08	65.62	12.08	22.45
13N0100P	13N	G100YR24HR	14.02	55.45	55.50	0.0002	112055	12.08	93.91	12.09	28.23
13N0150N	13N	G002YR24HR	14.08	52.74	56.67	0.0003	837	14.04	8.64	14.07	8.64
13N0150N	13N	G010YR24HR	13.89	53.75	56.67	0.0005	545	13.86	17.34	13.88	17.34
13N0150N	13N	G025YR24HR	13.96	54.09	56.67	0.0004	536	14.11	20.29	14.13	20.30
13N0150N	13N	G100YR24HR	27.25	55.07	56.67	0.0003	457	12.53	20.70	12.52	20.57
13N0200P	13N	G002YR24HR	0.00	54.01	56.00	-0.0003	70576	12.49	5.55	0.00	0.00
13N0200P	13N	G010YR24HR	13.86	54.39	56.00	-0.0003	82686	12.08	22.61	13.86	0.12
13N0200P	13N	G025YR24HR	14.02	54.97	56.00	-0.0003	108975	12.09	32.26	14.02	1.16
13N0200P	13N	G100YR24HR	14.01	55.45	56.00	-0.0003	121429	12.10	55.88	14.01	15.03
13N0250N	13N	G002YR24HR	14.13	52.27	56.50	0.0002	3157	14.07	8.64	14.13	8.63
13N0250N	13N	G010YR24HR	27.06	53.25	56.50	0.0003	2914	13.88	17.46	13.93	17.46
13N0250N	13N	G025YR24HR	27.32	54.00	56.50	0.0003	2228	14.05	21.45	14.05	21.52
13N0250N	13N	G100YR24HR	27.27	55.07	56.50	0.0002	2228	13.77	34.01	13.76	33.95
13N0300N	13N	G002YR24HR	26.18	52.12	56.00	-0.0014	5471	12.59	44.06	12.62	43.96
13N0300N	13N	G010YR24HR	25.57	53.31	56.00	-0.0014	6400	12.43	67.19	12.46	67.05
13N0300N	13N	G025YR24HR	26.58	54.05	56.00	-0.0014	7939	15.37	82.48	15.41	82.22
13N0300N	13N	G100YR24HR	27.01	55.09	56.00	-0.0014	14160	15.32	115.78	15.39	115.32
13N0301P	13N	G002YR24HR	13.50	58.25	58.60	0.0001	67027	12.33	17.60	13.50	6.10
13N0301P	13N	G010YR24HR	12.85	58.56	58.60	0.0001	83586	12.33	31.62	12.85	19.68
13N0301P	13N	G025YR24HR	12.84	58.76	58.60	0.0001	101342	12.25	41.71	12.49	26.20
13N0301P	13N	G100YR24HR	12.87	59.12	58.60	0.0001	133639	12.25	59.43	12.85	35.43
13N0350N	13N	G002YR24HR	12.59	53.18	56.00	0.0001	8899	12.52	44.38	12.58	44.06
13N0350N	13N	G010YR24HR	12.43	53.68	56.00	0.0002	9501	12.36	67.35	12.42	66.96
13N0350N	13N	G025YR24HR	24.64	54.14	56.00	0.0002	10226	15.36	81.99	15.37	81.99
13N0350N	13N	G100YR24HR	24.51	55.39	56.00	0.0002	16748	15.33	115.38	15.32	115.37
13N0400N	13N	G002YR24HR	12.57	53.66	57.88	0.0002	7199	12.48	37.63	12.56	37.11

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13N0400N	13N	G010YR24HR	12.42	54.17	57.88	0.0002	7724	14.04	57.22	14.06	57.25
13N0400N	13N	G025YR24HR	14.21	54.53	57.88	0.0002	8553	14.08	76.33	14.11	76.14
13N0400N	13N	G100YR24HR	24.27	55.50	57.88	0.0002	12198	16.11	99.78	16.07	99.84
13N0600N	13N	G002YR24HR	12.56	53.77	57.88	0.0002	6094	12.42	38.94	12.48	37.63
13N0600N	13N	G010YR24HR	12.37	54.61	57.88	0.0003	5470	12.17	59.26	14.04	57.22
13N0600N	13N	G025YR24HR	14.18	55.38	57.88	0.0004	12249	14.17	78.06	14.08	76.33
13N0600N	13N	G100YR24HR	15.80	56.57	57.88	0.0004	20474	15.79	101.10	16.11	99.78
13N0601N	13N	G002YR24HR	12.62	57.52	0.00	0.0004	3367	12.55	27.59	12.62	27.27
13N0601N	13N	G010YR24HR	12.67	58.57	0.00	0.0005	2441	12.62	42.22	12.72	42.23
13N0601N	13N	G025YR24HR	13.48	59.47	0.00	-0.0010	2253	12.17	41.68	12.69	41.29
13N0601N	13N	G100YR24HR	14.23	60.18	0.00	-0.0008	2253	12.01	41.40	12.59	39.27
13N0700P	13N	G002YR24HR	12.33	54.29	58.00	0.0001	52025	12.08	11.42	12.33	7.97
13N0700P	13N	G010YR24HR	12.32	54.39	58.00	0.0001	63893	12.08	17.87	12.32	12.75
13N0700P	13N	G025YR24HR	12.30	54.45	58.00	0.0001	70595	12.08	22.42	12.30	16.36
13N0700P	13N	G100YR24HR	24.50	55.39	58.00	0.0002	130428	12.08	30.42	12.28	23.01
13N0750P	13N	G002YR24HR	25.50	53.16	57.00	0.0000	110071	12.08	10.79	0.00	0.00
13N0750P	13N	G010YR24HR	25.50	53.50	57.00	0.0000	116678	12.08	17.22	0.00	0.00
13N0750P	13N	G025YR24HR	25.50	53.74	57.00	0.0001	117693	12.08	21.74	0.00	0.00
13N0750P	13N	G100YR24HR	31.10	54.72	57.00	0.0001	120778	12.08	29.66	0.00	0.00
13N0800P	13N	G002YR24HR	24.60	53.85	58.00	-0.0163	35532	12.08	10.23	24.45	0.32
13N0800P	13N	G010YR24HR	21.62	55.25	58.00	-0.0163	45157	12.08	19.25	21.52	1.85
13N0800P	13N	G025YR24HR	15.01	55.34	58.00	-0.0163	46160	12.08	25.26	15.01	7.61
13N0800P	13N	G100YR24HR	13.07	55.47	58.00	-0.0163	47611	12.08	35.90	13.07	19.03
13N0805N	13N	G002YR24HR	24.64	53.57	0.00	0.0005	120	24.45	0.32	24.64	0.32
13N0805N	13N	G010YR24HR	24.21	54.65	0.00	0.0007	120	17.86	0.50	17.78	0.50
13N0805N	13N	G025YR24HR	24.29	54.87	0.00	0.0005	120	13.94	0.53	14.02	0.52
13N0805N	13N	G100YR24HR	25.05	55.29	0.00	0.0003	120	12.58	0.53	12.78	0.51
13N0810N	13N	G002YR24HR	25.89	52.17	0.00	0.0003	127	24.64	0.32	24.78	0.32
13N0810N	13N	G010YR24HR	25.43	53.42	0.00	0.0005	114	17.78	0.50	17.80	0.50
13N0810N	13N	G025YR24HR	26.51	54.11	0.00	0.0004	114	14.02	0.52	14.32	0.51
13N0810N	13N	G100YR24HR	26.85	55.11	0.00	0.0002	114	12.78	0.51	12.71	0.50
13N0900P	13N	G002YR24HR	24.59	53.85	57.00	0.0029	45089	12.08	14.82	12.82	1.43
13N0900P	13N	G010YR24HR	21.51	55.25	57.00	0.0029	56528	12.08	27.58	12.81	3.99
13N0900P	13N	G025YR24HR	14.95	55.46	57.00	0.0029	59660	12.08	36.96	14.92	6.28
13N0900P	13N	G100YR24HR	13.74	56.16	57.00	0.0029	81381	12.08	53.79	13.77	15.62
13P0400N	13P	G002YR24HR	12.14	55.56	58.87	0.0001	3352	12.08	3.81	12.13	3.61
13P0400N	13P	G010YR24HR	20.20	56.09	58.87	0.0001	5362	20.13	16.14	20.11	16.14
13P0400N	13P	G025YR24HR	16.54	56.35	58.87	0.0001	5946	16.49	24.97	16.40	24.97
13P0400N	13P	G100YR24HR	13.86	57.04	58.87	0.0001	7459	13.80	54.01	13.86	54.00
13P0401N	13P	G002YR24HR	0.00	59.00	0.00	0.0000	263	0.00	0.00	0.00	0.00
13P0401N	13P	G010YR24HR	20.23	59.48	0.00	0.0000	4557	20.21	15.93	20.23	15.93
13P0401N	13P	G025YR24HR	16.54	59.61	0.00	0.0001	4962	16.52	24.55	16.54	24.55
13P0401N	13P	G100YR24HR	13.85	59.96	0.00	0.0002	6002	13.83	52.86	13.85	52.86
13P0450N	13P	G002YR24HR	0.00	54.10	0.00	-0.0005	5014	12.13	3.61	0.00	5.37
13P0450N	13P	G010YR24HR	22.07	54.52	0.00	-0.0005	10441	20.11	16.14	20.28	16.09
13P0450N	13P	G025YR24HR	22.74	54.82	0.00	-0.0005	13126	16.40	24.97	16.62	24.87
13P0450N	13P	G100YR24HR	24.30	55.26	0.00	-0.0005	19155	13.86	54.00	13.88	53.84

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P0500P	13P	G002YR24HR	12.35	59.96	65.25	0.0002	68874	12.08	52.77	12.35	37.72
13P0500P	13P	G010YR24HR	12.33	60.41	65.25	0.0001	92567	12.08	95.50	12.33	69.07
13P0500P	13P	G025YR24HR	12.32	60.66	65.25	0.0002	108703	12.08	125.96	12.32	91.83
13P0500P	13P	G100YR24HR	12.27	61.01	65.25	0.0002	131715	12.08	179.45	12.43	157.28
13P1200N	13P	G002YR24HR	12.24	71.32	74.95	-0.0005	6559	12.13	17.13	12.24	16.65
13P1200N	13P	G010YR24HR	12.25	71.79	74.95	-0.0005	8030	12.15	29.59	12.24	28.91
13P1200N	13P	G025YR24HR	12.24	72.09	74.95	-0.0005	8776	12.13	38.63	12.24	37.67
13P1200N	13P	G100YR24HR	12.27	72.60	74.95	-0.0005	10169	12.17	55.58	12.27	54.17
13P1250N	GEE	G002YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G010YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G025YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1250N	GEE	G100YR24HR	0.00	71.00	0.00	0.0000	3920	0.00	0.00	0.00	0.00
13P1300N	13P	G002YR24HR	12.36	73.89	77.05	0.0015	1359	12.33	9.55	12.36	9.54
13P1300N	13P	G010YR24HR	12.41	74.39	77.05	0.0015	3759	12.35	17.61	12.41	17.53
13P1300N	13P	G025YR24HR	12.59	74.67	77.05	0.0015	8345	12.37	23.87	12.45	23.20
13P1300N	13P	G100YR24HR	12.80	75.03	77.05	0.0015	12823	12.37	35.69	12.36	34.22
13P1400N	13P	G002YR24HR	12.73	74.84	78.15	-0.0003	2822	12.63	7.86	12.69	7.84
13P1400N	13P	G010YR24HR	12.59	75.22	78.15	-0.0003	3021	12.55	14.64	12.59	14.63
13P1400N	13P	G025YR24HR	12.62	75.51	78.15	-0.0003	3145	12.58	20.32	12.62	20.30
13P1400N	13P	G100YR24HR	12.64	75.85	78.15	-0.0003	3287	12.56	30.55	12.59	30.49
13P1600N	13P	G002YR24HR	12.64	75.68	79.28	0.0003	2799	12.60	7.87	12.63	7.86
13P1600N	13P	G010YR24HR	12.55	76.03	79.28	0.0003	2903	12.48	14.66	12.55	14.64
13P1600N	13P	G025YR24HR	12.59	76.29	79.28	0.0003	2972	12.54	20.34	12.58	20.32
13P1600N	13P	G100YR24HR	12.58	76.70	79.28	0.0003	3070	12.53	30.59	12.56	30.55
13P1650N	13P	G002YR24HR	12.61	75.97	79.65	-0.0005	2234	12.57	7.88	12.60	7.87
13P1650N	13P	G010YR24HR	12.49	76.39	79.65	-0.0005	2741	12.44	14.70	12.48	14.66
13P1650N	13P	G025YR24HR	12.56	76.68	79.65	-0.0005	3084	12.46	20.39	12.54	20.34
13P1650N	13P	G100YR24HR	12.55	77.13	79.65	-0.0005	3587	12.46	30.66	12.53	30.59
13P1700N	13P	G002YR24HR	12.98	76.47	80.35	-0.0001	2834	12.92	6.54	12.98	6.53
13P1700N	13P	G010YR24HR	12.91	76.86	80.35	0.0001	2976	12.95	12.09	13.00	12.10
13P1700N	13P	G025YR24HR	12.90	77.17	80.35	0.0001	3085	12.99	17.18	13.02	17.21
13P1700N	13P	G100YR24HR	13.23	77.67	80.35	0.0002	3261	13.21	27.60	13.25	27.60
13P1800P	13P	G002YR24HR	12.92	77.06	85.95	0.0000	101225	12.08	19.61	12.92	6.54
13P1800P	13P	G010YR24HR	12.94	77.41	85.95	0.0001	102843	12.09	35.21	12.94	13.75
13P1800P	13P	G025YR24HR	12.96	77.71	85.95	0.0001	104934	12.09	50.95	12.97	25.53
13P1800P	13P	G100YR24HR	13.22	78.24	85.95	0.0001	110063	12.09	80.57	13.43	52.13
13P1810P	13P	G002YR24HR	25.50	81.14	87.00	0.0016	37380	12.08	21.87	12.08	1.45
13P1810P	13P	G010YR24HR	24.38	82.97	87.00	0.0016	47458	12.08	36.39	12.08	2.22
13P1810P	13P	G025YR24HR	24.25	83.87	87.00	0.0016	52795	12.08	46.57	12.08	2.67
13P1810P	13P	G100YR24HR	15.31	84.53	87.00	0.0016	57403	12.08	64.36	15.27	3.58
13P1811N	13P	G002YR24HR	0.00	82.50	87.00	-0.0066	2179	12.08	1.45	0.00	0.00
13P1811N	13P	G010YR24HR	24.38	82.97	87.00	-0.0066	2179	12.08	2.22	24.38	0.25
13P1811N	13P	G025YR24HR	24.25	83.87	87.00	-0.0066	2179	12.08	2.67	24.25	0.52
13P1811N	13P	G100YR24HR	15.32	84.50	87.00	-0.0066	2179	15.27	3.58	15.31	3.58
13P1812N	13P	G002YR24HR	0.00	81.70	87.00	0.0000	2190	0.00	0.00	0.00	0.00
13P1812N	13P	G010YR24HR	24.75	81.97	87.00	0.0000	2339	24.38	0.25	24.75	0.25

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P1812N	13P	G025YR24HR	24.45	82.08	87.00	0.0000	2364	24.25	0.52	24.45	0.52
13P1812N	13P	G100YR24HR	15.44	82.68	87.00	0.0000	2421	15.31	3.58	15.44	3.58
13P1813N	13P	G002YR24HR	0.00	81.40	86.00	-0.0009	2932	0.00	0.00	0.00	3.21
13P1813N	13P	G010YR24HR	0.00	81.40	86.00	-0.0009	2932	24.75	0.25	0.00	3.21
13P1813N	13P	G025YR24HR	0.00	81.40	86.00	-0.0009	2932	24.45	0.52	0.00	3.21
13P1813N	13P	G100YR24HR	15.73	81.41	86.00	-0.0009	3175	15.44	3.58	15.51	3.57
13P1814N	13P	G002YR24HR	16.35	78.55	87.50	0.0006	3549	16.33	34.92	16.35	34.92
13P1814N	13P	G010YR24HR	17.50	78.71	87.50	0.0006	5731	17.50	55.66	17.50	55.66
13P1814N	13P	G025YR24HR	16.00	78.76	87.50	0.0006	5746	15.99	66.55	16.00	66.55
13P1814N	13P	G100YR24HR	15.03	78.86	87.50	0.0006	5783	15.02	93.62	15.03	93.62
13P1815N	13P	G002YR24HR	16.36	76.90	83.79	0.0005	5955	16.35	34.92	16.35	34.92
13P1815N	13P	G010YR24HR	17.48	77.18	83.79	0.0005	6002	17.50	43.65	17.48	43.65
13P1815N	13P	G025YR24HR	16.05	77.29	83.79	0.0005	6008	16.00	47.09	15.93	47.08
13P1815N	13P	G100YR24HR	13.04	78.08	83.79	0.0005	5598	15.00	54.24	14.96	54.23
13P1820N	13P	G002YR24HR	16.33	81.62	89.60	0.0022	1684	16.30	34.38	16.33	34.38
13P1820N	13P	G010YR24HR	17.62	82.46	89.60	0.0022	1660	17.59	54.90	17.62	54.90
13P1820N	13P	G025YR24HR	16.15	82.86	89.60	0.0022	1460	16.23	65.05	16.15	65.05
13P1820N	13P	G100YR24HR	15.10	83.79	89.60	0.0022	606	15.11	88.21	15.07	88.21
13P1822N	13P	G002YR24HR	21.48	82.41	91.00	0.0005	1155	21.05	1.99	21.40	1.96
13P1822N	13P	G010YR24HR	17.63	82.63	91.00	0.0005	1192	17.06	2.96	17.35	2.96
13P1822N	13P	G025YR24HR	16.27	82.97	91.00	0.0006	1179	17.04	3.76	17.31	3.77
13P1822N	13P	G100YR24HR	15.10	83.91	91.00	0.0007	576	18.14	4.04	18.13	4.42
13P1824N	13P	G002YR24HR	21.05	83.31	88.00	0.0011	874	20.81	1.97	21.05	1.99
13P1824N	13P	G010YR24HR	17.06	83.47	88.00	0.0011	901	17.03	2.96	17.06	2.96
13P1824N	13P	G025YR24HR	17.04	83.59	88.00	0.0011	909	16.98	3.76	17.04	3.76
13P1824N	13P	G100YR24HR	15.13	84.07	88.00	0.0011	765	12.86	3.92	18.14	4.04
13P2010N	13P	G002YR24HR	16.32	84.28	90.05	-0.0059	561	12.48	9.42	13.02	21.40
13P2010N	13P	G010YR24HR	17.63	85.00	90.05	-0.0047	516	12.46	15.42	12.19	24.09
13P2010N	13P	G025YR24HR	16.11	85.37	90.05	-0.0051	515	12.46	19.51	11.99	23.03
13P2010N	13P	G100YR24HR	15.02	86.29	90.05	-0.0062	455	12.47	26.43	12.48	26.23
13P2050N	13P	G002YR24HR	12.49	85.44	90.05	0.0001	10213	12.17	10.98	12.48	9.42
13P2050N	13P	G010YR24HR	12.47	85.94	90.05	0.0001	11769	12.25	18.08	12.46	15.42
13P2050N	13P	G025YR24HR	12.46	86.25	90.05	0.0002	12754	12.22	22.97	12.46	19.51
13P2050N	13P	G100YR24HR	12.47	86.79	90.05	0.0002	14375	12.17	31.61	12.47	26.43
13P2200N	13P	G002YR24HR	12.49	85.44	87.35	0.0002	2223	0.00	0.00	12.93	0.38
13P2200N	13P	G010YR24HR	12.47	85.94	87.35	0.0003	2224	0.00	0.00	12.92	0.57
13P2200N	13P	G025YR24HR	12.46	86.25	87.35	0.0003	2217	0.00	0.00	12.92	0.70
13P2200N	13P	G100YR24HR	12.47	86.79	87.35	0.0003	2180	72.00	0.23	13.00	0.90
13P2300P	13P	G002YR24HR	15.19	89.47	92.00	0.0001	40426	12.08	20.12	12.08	4.56
13P2300P	13P	G010YR24HR	13.39	90.42	92.00	0.0002	48615	12.08	33.04	14.30	3.95
13P2300P	13P	G025YR24HR	13.39	91.09	92.00	0.0002	55010	12.08	42.08	14.91	5.16
13P2300P	13P	G100YR24HR	13.61	92.16	92.00	0.0003	66819	12.08	57.91	16.27	6.32
13P2350N	13P	G002YR24HR	15.16	89.43	91.94	0.0015	2181	12.08	4.56	12.10	2.95
13P2350N	13P	G010YR24HR	13.09	90.11	91.94	0.0015	2181	14.30	3.95	14.29	4.02
13P2350N	13P	G025YR24HR	13.01	90.61	91.94	0.0015	2181	14.91	5.16	14.86	5.27
13P2350N	13P	G100YR24HR	13.06	91.45	91.94	0.0015	2181	16.27	6.32	16.27	6.45

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P2400P	13P	G002YR24HR	15.15	89.43	92.30	-0.0100	53534	12.08	27.10	15.12	2.66
13P2400P	13P	G010YR24HR	13.07	90.09	92.30	-0.0100	63776	12.08	39.88	13.06	9.96
13P2400P	13P	G025YR24HR	12.99	90.58	92.30	-0.0100	71333	12.08	50.95	13.04	13.63
13P2400P	13P	G100YR24HR	13.04	91.41	92.30	-0.0100	84093	12.08	70.81	12.88	17.04
13P2410N	13P	G002YR24HR	15.16	89.41	93.17	-0.0051	2181	15.12	2.66	15.16	2.66
13P2410N	13P	G010YR24HR	13.09	89.76	93.17	-0.0051	2181	13.06	9.96	13.08	9.96
13P2410N	13P	G025YR24HR	12.98	89.97	93.17	-0.0051	2181	13.04	13.63	13.04	13.65
13P2410N	13P	G100YR24HR	13.49	90.50	93.17	-0.0051	2181	12.88	17.04	12.92	16.96
13P2420N	13P	G002YR24HR	15.29	88.17	93.17	0.0000	2741	15.16	2.66	15.24	2.66
13P2420N	13P	G010YR24HR	13.18	89.08	93.17	0.0002	2647	13.08	9.96	13.17	9.94
13P2420N	13P	G025YR24HR	12.95	89.51	93.17	0.0003	2337	13.04	13.65	13.02	13.74
13P2420N	13P	G100YR24HR	13.52	90.33	93.17	0.0002	2208	12.92	16.96	12.97	16.85
13P2620N	13P	G002YR24HR	72.00	85.88	89.95	0.0026	911	12.34	36.68	12.35	36.56
13P2620N	13P	G010YR24HR	72.00	86.74	89.95	0.0026	489	12.09	41.80	12.09	41.58
13P2620N	13P	G025YR24HR	72.00	87.31	89.95	0.0026	489	11.99	43.85	12.01	43.51
13P2620N	13P	G100YR24HR	24.57	88.27	89.95	0.0026	489	11.90	42.56	11.89	42.29
13P2640N	13P	G002YR24HR	12.37	87.62	89.95	0.0009	510	12.30	36.75	12.34	36.68
13P2640N	13P	G010YR24HR	12.10	88.76	89.95	0.0009	482	12.08	42.35	12.09	41.80
13P2640N	13P	G025YR24HR	12.08	89.65	89.95	0.0011	482	11.99	45.58	11.99	43.85
13P2640N	13P	G100YR24HR	15.59	90.02	89.95	0.0011	482	11.85	44.24	11.90	42.56
13P2643N	13P	G002YR24HR	12.10	89.61	91.95	0.0035	493	12.00	24.73	12.10	24.33
13P2643N	13P	G010YR24HR	12.09	90.83	91.95	0.0032	493	12.08	27.63	12.08	27.60
13P2643N	13P	G025YR24HR	12.08	90.89	91.95	0.0025	493	12.08	31.90	12.08	31.89
13P2643N	13P	G100YR24HR	12.08	90.92	91.95	0.0014	493	12.08	39.48	12.08	39.47
13P2644N	13P	G002YR24HR	12.09	92.63	92.95	0.0018	468	11.99	19.13	12.00	15.90
13P2644N	13P	G010YR24HR	12.08	92.82	92.95	0.0020	468	11.83	19.49	11.83	15.79
13P2644N	13P	G025YR24HR	13.63	92.92	92.95	0.0024	468	11.75	20.03	14.33	15.78
13P2644N	13P	G100YR24HR	12.53	93.17	92.95	0.0028	468	11.67	20.57	11.68	15.37
13P2646N	13P	G002YR24HR	12.09	92.61	92.95	0.0034	439	0.00	0.00	12.68	1.64
13P2646N	13P	G010YR24HR	12.08	92.80	92.95	0.0039	439	13.69	9.14	13.70	9.14
13P2646N	13P	G025YR24HR	13.66	92.92	92.95	0.0046	439	18.00	13.84	18.00	13.85
13P2646N	13P	G100YR24HR	12.55	93.16	92.95	0.0055	439	23.84	11.49	23.84	11.50
13P2660P	13P	G002YR24HR	12.79	87.74	88.95	0.0008	210609	12.08	45.11	13.42	17.71
13P2660P	13P	G010YR24HR	14.73	88.42	88.95	0.0007	354392	12.08	82.94	18.00	14.36
13P2660P	13P	G025YR24HR	16.90	89.05	88.95	0.0006	481440	12.08	110.20	25.00	14.89
13P2660P	13P	G100YR24HR	15.62	90.05	88.95	0.0002	686589	12.48	231.80	25.33	21.29
13P2661P	13P	G002YR24HR	23.77	89.63	89.05	0.0001	234818	12.08	21.16	23.77	0.86
13P2661P	13P	G010YR24HR	13.26	89.79	89.05	0.0001	273760	12.08	55.65	13.26	9.20
13P2661P	13P	G025YR24HR	12.80	89.95	89.05	0.0001	311382	12.08	83.27	12.80	25.93
13P2661P	13P	G100YR24HR	12.48	90.14	89.05	0.0001	357856	12.08	135.05	12.48	75.82
13P3100P	GEE	G002YR24HR	0.00	0.00	0.00	0.0000	9	12.07	12.76	0.00	0.00
13P3100P	GEE	G010YR24HR	0.00	0.00	0.00	0.0000	9	12.06	17.18	0.00	0.00
13P3100P	GEE	G025YR24HR	0.00	0.00	0.00	0.0000	9	12.07	20.89	0.00	0.00
13P3100P	GEE	G100YR24HR	0.00	0.00	0.00	0.0000	9	12.09	27.47	0.00	0.00
13P3120N	GEE	G002YR24HR	12.07	91.64	94.44	0.0005	168	12.02	12.82	12.05	12.77
13P3120N	GEE	G010YR24HR	12.06	92.83	94.44	0.0006	143	12.04	17.22	12.05	17.19
13P3120N	GEE	G025YR24HR	12.07	93.85	94.44	0.0007	143	12.05	20.93	12.06	20.89

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13P3120N	GEE	G100YR24HR	12.09	96.12	94.44	0.0012	143	12.06	27.55	12.08	27.49
13P3150N	GEE	G002YR24HR	12.07	91.39	93.61	0.0004	268	12.05	12.77	12.07	12.76
13P3150N	GEE	G010YR24HR	12.06	92.17	93.61	0.0005	174	12.05	17.19	12.06	17.18
13P3150N	GEE	G025YR24HR	12.07	92.88	93.61	0.0006	170	12.06	20.89	12.07	20.89
13P3150N	GEE	G100YR24HR	12.09	94.43	93.61	0.0008	161	12.08	27.49	12.09	27.47
13P3250N	GEE	G002YR24HR	12.06	91.72	94.12	-0.0010	145	12.00	12.94	12.02	12.82
13P3250N	GEE	G010YR24HR	12.06	93.08	94.12	-0.0009	146	12.00	17.31	12.04	17.22
13P3250N	GEE	G025YR24HR	12.07	94.22	94.12	-0.0008	146	12.02	21.04	12.05	20.93
13P3250N	GEE	G100YR24HR	12.08	96.75	94.12	0.0013	146	12.00	27.74	12.06	27.55
13P3300N	GEE	G002YR24HR	12.06	91.79	94.91	-0.0036	157	12.00	13.10	12.00	12.94
13P3300N	GEE	G010YR24HR	12.06	93.20	94.91	-0.0036	157	12.00	17.58	12.00	17.31
13P3300N	GEE	G025YR24HR	12.07	94.41	94.91	-0.0035	157	12.00	21.44	12.02	21.04
13P3300N	GEE	G100YR24HR	12.08	97.08	94.91	-0.0036	157	12.00	28.46	12.00	27.74
13P3350N	GEE	G002YR24HR	12.06	91.83	93.16	0.0036	154	12.00	13.26	12.00	13.10
13P3350N	GEE	G010YR24HR	12.05	93.28	93.16	0.0038	154	12.00	17.86	12.00	17.58
13P3350N	GEE	G025YR24HR	12.06	94.52	93.16	0.0027	154	12.00	21.86	12.00	21.44
13P3350N	GEE	G100YR24HR	12.08	97.27	93.16	0.0027	154	12.00	29.22	12.00	28.46
13P3400P	GEE	G002YR24HR	12.06	91.85	94.00	0.0042	129	12.00	42.11	12.00	41.98
13P3400P	GEE	G010YR24HR	12.05	93.32	94.00	0.0035	129	12.00	66.71	12.00	66.48
13P3400P	GEE	G025YR24HR	12.06	94.58	94.00	0.0018	129	12.00	83.99	12.00	83.64
13P3400P	GEE	G100YR24HR	12.08	97.37	94.00	0.0018	129	12.00	114.35	12.00	113.72
13P3450N	GEE	G002YR24HR	12.07	91.72	90.98	0.0005	2620	12.00	28.73	12.07	27.72
13P3450N	GEE	G010YR24HR	12.06	92.94	90.98	0.0006	2339	12.00	48.66	12.06	47.03
13P3450N	GEE	G025YR24HR	12.08	93.98	90.98	0.0007	2335	12.00	61.83	12.08	59.25
13P3450N	GEE	G100YR24HR	12.09	96.27	90.98	0.0012	2318	12.00	84.59	12.09	79.91
13P3500N	GEE	G002YR24HR	72.00	85.88	90.56	0.0061	742	12.07	27.72	12.08	27.69
13P3500N	GEE	G010YR24HR	72.00	86.74	90.56	0.0061	437	12.06	47.03	12.07	47.01
13P3500N	GEE	G025YR24HR	72.00	87.31	90.56	0.0061	171	12.08	59.25	12.08	59.23
13P3500N	GEE	G100YR24HR	72.00	88.19	90.56	0.0061	171	12.09	79.91	12.09	79.88
13Q0500N	13Q	G002YR24HR	25.50	84.52	88.65	0.0000	70775	12.08	7.33	0.00	0.00
13Q0500N	13Q	G010YR24HR	25.50	84.91	88.65	0.0000	78740	12.08	12.36	0.00	0.00
13Q0500N	13Q	G025YR24HR	25.50	86.47	88.65	0.0002	110605	12.74	56.79	0.00	0.00
13Q0500N	13Q	G100YR24HR	13.66	88.89	88.65	0.0004	160233	12.48	179.12	13.66	25.94
13Q0820P	13Q	G002YR24HR	12.94	88.19	89.05	0.0002	73227	12.45	60.11	12.92	53.03
13Q0820P	13Q	G010YR24HR	13.14	89.55	89.05	0.0002	84723	12.57	126.25	12.80	91.83
13Q0820P	13Q	G025YR24HR	12.75	89.97	89.05	0.0003	88219	12.64	171.08	12.72	165.56
13Q0820P	13Q	G100YR24HR	12.50	90.22	89.05	0.0004	90370	12.42	298.22	12.48	293.50
13Q0821N	13Q	G002YR24HR	14.05	87.39	87.00	0.0008	3695	13.55	42.55	13.55	42.45
13Q0821N	13Q	G010YR24HR	14.17	88.60	87.00	0.0006	4475	12.57	51.88	12.57	50.70
13Q0821N	13Q	G025YR24HR	14.29	89.17	87.00	0.0002	4846	12.31	55.81	12.31	54.27
13Q0821N	13Q	G100YR24HR	14.07	89.70	87.00	0.0002	5186	11.90	53.57	11.90	52.63
13Q0822N	13Q	G002YR24HR	14.07	85.68	89.85	0.0004	726	14.04	11.13	14.07	11.13
13Q0822N	13Q	G010YR24HR	13.87	85.99	89.85	0.0002	597	14.25	13.79	14.27	13.80
13Q0822N	13Q	G025YR24HR	14.56	86.14	89.85	0.0001	576	14.21	14.86	14.24	14.85
13Q0822N	13Q	G100YR24HR	13.66	88.88	89.85	0.0027	488	12.61	14.06	12.61	13.91
13Q0840P	13Q	G002YR24HR	14.07	87.39	0.00	0.0001	120421	12.08	7.74	14.89	7.44

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q0840P	13Q	G010YR24HR	14.17	88.60	0.00	0.0001	144072	12.08	12.07	19.47	13.87
13Q0840P	13Q	G025YR24HR	14.30	89.17	0.00	0.0002	155329	12.08	15.12	22.21	13.71
13Q0840P	13Q	G100YR24HR	14.08	89.70	0.00	0.0002	165671	12.08	20.51	26.55	16.63
13Q0860P	13Q	G002YR24HR	12.97	87.92	0.00	0.0000	188891	12.17	10.68	12.97	2.46
13Q0860P	13Q	G010YR24HR	12.82	88.04	0.00	0.0000	195763	12.08	23.48	12.33	8.08
13Q0860P	13Q	G025YR24HR	12.79	88.15	0.00	0.0000	201818	12.08	31.73	12.12	9.28
13Q0860P	13Q	G100YR24HR	22.67	88.34	0.00	0.0001	213078	12.08	44.82	11.87	7.53
13Q0861N	13Q	G002YR24HR	14.03	87.53	89.01	0.0002	2197	12.97	2.46	13.10	2.44
13Q0861N	13Q	G010YR24HR	13.21	88.04	89.01	0.0003	2197	12.33	8.08	12.36	5.46
13Q0861N	13Q	G025YR24HR	12.80	88.15	89.01	0.0004	2197	12.12	9.28	12.17	5.78
13Q0861N	13Q	G100YR24HR	22.62	88.34	89.01	0.0006	2197	11.87	7.53	27.37	4.96
13Q0865N	13Q	G002YR24HR	14.09	87.37	89.00	0.0002	2203	13.10	2.44	15.29	3.73
13Q0865N	13Q	G010YR24HR	15.42	88.37	89.00	0.0005	2203	12.36	5.46	20.13	4.51
13Q0865N	13Q	G025YR24HR	15.94	88.84	89.00	0.0006	2203	20.03	6.23	20.08	6.36
13Q0865N	13Q	G100YR24HR	16.81	89.40	89.00	0.0005	2203	25.38	7.48	25.43	7.59
13Q0870P	13Q	G002YR24HR	14.91	87.38	88.00	0.0001	119298	12.08	31.24	15.98	5.50
13Q0870P	13Q	G010YR24HR	15.45	88.38	88.00	0.0001	211824	12.08	51.66	20.54	9.89
13Q0870P	13Q	G025YR24HR	15.97	88.85	88.00	0.0001	261023	12.08	65.99	19.59	12.51
13Q0870P	13Q	G100YR24HR	16.84	89.40	88.00	0.0001	319285	12.08	91.06	22.18	13.26
13Q0875N	13Q	G002YR24HR	14.09	87.35	90.00	0.0002	2485	15.29	7.91	15.40	8.32
13Q0875N	13Q	G010YR24HR	14.47	88.44	90.00	0.0005	2220	20.13	12.45	20.14	12.93
13Q0875N	13Q	G025YR24HR	14.64	88.96	90.00	0.0006	2220	22.92	12.59	22.93	13.01
13Q0875N	13Q	G100YR24HR	14.24	89.53	90.00	0.0005	2220	27.26	15.06	27.28	15.35
13Q0880N	13Q	G002YR24HR	14.07	87.35	89.00	0.0002	2327	13.43	30.73	13.43	29.15
13Q0880N	13Q	G010YR24HR	14.17	88.58	89.00	0.0005	2259	12.56	38.06	14.03	32.58
13Q0880N	13Q	G025YR24HR	14.30	89.16	89.00	0.0007	2259	12.31	40.37	13.59	33.68
13Q0880N	13Q	G100YR24HR	14.08	89.69	89.00	0.0005	2259	11.90	37.86	11.89	32.44
13Q0885N	13Q	G002YR24HR	14.48	86.15	89.00	0.0003	2267	13.43	29.15	13.65	28.36
13Q0885N	13Q	G010YR24HR	14.33	86.65	89.00	0.0006	2231	14.03	32.58	14.10	32.54
13Q0885N	13Q	G025YR24HR	14.67	87.14	89.00	0.0006	2231	13.59	33.68	13.86	33.48
13Q0885N	13Q	G100YR24HR	14.61	87.96	89.00	0.0005	2231	11.89	32.44	13.43	31.32
13Q0890N	13Q	G002YR24HR	14.49	85.83	89.82	0.0002	2296	13.65	28.36	14.48	28.25
13Q0890N	13Q	G010YR24HR	14.41	86.23	89.82	0.0003	2270	14.10	32.54	14.16	32.51
13Q0890N	13Q	G025YR24HR	14.80	86.70	89.82	0.0003	2212	13.86	33.48	14.00	33.34
13Q0890N	13Q	G100YR24HR	14.71	87.60	89.82	0.0003	2212	13.43	31.32	13.50	31.06
13Q0895N	13Q	G002YR24HR	14.52	85.06	87.11	0.0111	2456	14.48	28.25	14.50	28.25
13Q0895N	13Q	G010YR24HR	16.29	85.30	87.11	0.0111	2366	14.16	32.51	14.18	32.47
13Q0895N	13Q	G025YR24HR	15.68	85.58	87.11	0.0111	2205	14.00	33.34	14.04	33.28
13Q0895N	13Q	G100YR24HR	14.99	86.44	87.11	0.0111	2205	13.50	31.06	12.76	31.86
13Q0896N	13Q	G002YR24HR	14.52	85.01	87.11	-0.0112	2178	14.50	28.25	14.51	28.25
13Q0896N	13Q	G010YR24HR	16.51	85.25	87.11	-0.0112	2178	14.18	32.47	14.20	32.44
13Q0896N	13Q	G025YR24HR	15.82	85.52	87.11	-0.0112	2178	14.04	33.28	14.07	33.23
13Q0896N	13Q	G100YR24HR	15.01	86.38	87.11	-0.0112	2178	12.76	31.86	12.76	37.33
13Q0924P	13Q	G002YR24HR	13.14	88.70	88.95	0.0002	47247	12.42	38.05	13.04	24.69
13Q0924P	13Q	G010YR24HR	13.13	89.61	88.95	0.0002	52970	12.42	66.06	12.63	51.26
13Q0924P	13Q	G025YR24HR	12.76	90.04	88.95	0.0002	55726	12.42	85.89	12.73	74.44
13Q0924P	13Q	G100YR24HR	12.51	90.34	88.95	0.0003	57593	12.42	120.64	12.55	118.88

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
13Q0940P	13Q	G002YR24HR	13.25	88.46	88.95	0.0002	42914	12.99	26.63	13.37	25.12
13Q0940P	13Q	G010YR24HR	13.13	89.59	88.95	0.0002	49816	12.62	58.14	12.64	47.79
13Q0940P	13Q	G025YR24HR	12.76	90.01	88.95	0.0003	52444	12.69	81.81	12.77	80.87
13Q0940P	13Q	G100YR24HR	12.51	90.30	88.95	0.0003	54175	12.50	133.83	12.56	134.82
13Q2290P	13Q	G002YR24HR	24.84	80.83	85.95	0.0001	55618	12.50	11.87	18.68	0.36
13Q2290P	13Q	G010YR24HR	17.84	83.28	85.95	0.0002	65811	12.50	26.95	19.95	5.41
13Q2290P	13Q	G025YR24HR	20.44	85.48	85.95	0.0002	77309	12.50	38.56	24.90	6.76
13Q2290P	13Q	G100YR24HR	22.70	88.33	85.95	0.0004	100956	12.42	60.10	29.28	8.07
13Q2291N	13Q	G002YR24HR	24.84	80.83	0.00	0.0002	2183	12.77	1.86	24.84	0.35
13Q2291N	13Q	G010YR24HR	17.87	83.11	0.00	0.0003	2183	17.14	6.33	17.83	6.30
13Q2291N	13Q	G025YR24HR	20.48	85.24	0.00	0.0002	2183	18.94	7.38	20.44	7.36
13Q2291N	13Q	G100YR24HR	22.74	88.01	0.00	0.0004	2183	12.82	9.40	22.71	8.60
13Q2292N	13Q	G002YR24HR	25.06	77.01	0.00	0.0000	2300	24.84	0.35	24.76	0.35
13Q2292N	13Q	G010YR24HR	17.94	78.23	0.00	0.0000	2216	17.83	6.30	17.85	6.30
13Q2292N	13Q	G025YR24HR	20.78	78.44	0.00	0.0002	2218	20.44	7.36	20.55	7.36
13Q2292N	13Q	G100YR24HR	22.79	78.81	0.00	0.0003	2204	22.71	8.60	23.15	8.60
13Q2293N	13Q	G002YR24HR	16.52	76.06	0.00	0.0000	2607	24.76	0.35	24.53	0.36
13Q2293N	13Q	G010YR24HR	17.79	76.84	0.00	0.0003	2578	17.85	6.30	18.04	6.30
13Q2293N	13Q	G025YR24HR	20.18	77.02	0.00	0.0003	2546	20.55	7.36	20.54	7.36
13Q2293N	13Q	G100YR24HR	20.06	77.30	0.00	0.0003	2392	23.15	8.60	24.58	8.61
13Q2294N	13Q	G002YR24HR	16.45	76.05	0.00	0.0006	2298	24.53	0.36	24.51	0.38
13Q2294N	13Q	G010YR24HR	17.65	76.43	0.00	0.0010	2293	18.04	6.30	18.01	6.31
13Q2294N	13Q	G025YR24HR	19.81	76.52	0.00	0.0011	2280	20.54	7.36	20.48	7.37
13Q2294N	13Q	G100YR24HR	12.20	76.79	0.00	0.0005	2296	24.58	8.61	24.54	8.63
13Q2295N	13Q	G002YR24HR	16.42	76.05	0.00	0.0010	2180	24.51	0.38	24.50	0.39
13Q2295N	13Q	G010YR24HR	17.63	76.36	0.00	0.0007	2180	18.01	6.31	17.98	6.31
13Q2295N	13Q	G025YR24HR	12.41	76.50	0.00	0.0005	2180	20.48	7.37	20.44	7.37
13Q2295N	13Q	G100YR24HR	12.19	76.78	0.00	0.0004	2180	24.54	8.63	24.53	8.65
13Q2296N	13Q	G002YR24HR	16.41	76.05	0.00	0.0006	2183	24.50	0.39	24.50	0.41
13Q2296N	13Q	G010YR24HR	12.51	76.32	0.00	0.0005	2183	17.98	6.31	17.94	6.31
13Q2296N	13Q	G025YR24HR	12.34	76.51	0.00	0.0004	2183	20.44	7.37	20.40	7.37
13Q2296N	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	2183	24.53	8.65	24.51	8.67
13Q2300P	13Q	G002YR24HR	16.41	76.05	0.00	0.0002	24377	12.00	19.24	16.41	1.44
13Q2300P	13Q	G010YR24HR	12.49	76.33	0.00	0.0003	26616	12.03	30.60	12.49	17.09
13Q2300P	13Q	G025YR24HR	12.29	76.52	0.00	0.0004	28185	12.08	37.05	12.29	33.49
13Q2300P	13Q	G100YR24HR	12.18	76.78	0.00	0.0003	30293	12.08	64.70	12.18	60.63
CEMETERY	13F	G002YR24HR	29.00	62.88	63.55	0.0001	121444	12.67	15.17	0.00	0.00
CEMETERY	13F	G010YR24HR	17.80	63.60	63.55	0.0001	175912	12.58	33.03	17.80	3.57
CEMETERY	13F	G025YR24HR	14.62	63.69	63.55	0.0001	182747	12.58	46.62	14.62	14.82
CEMETERY	13F	G100YR24HR	13.44	63.83	63.55	0.0001	193913	12.58	71.29	13.44	41.97
CONCORD	13M	G002YR24HR	24.38	57.96	58.95	0.0001	925552	12.08	168.27	24.33	8.32
CONCORD	13M	G010YR24HR	21.47	59.08	58.95	0.0001	984778	12.08	274.28	21.28	24.70
CONCORD	13M	G025YR24HR	19.92	59.78	58.95	0.0001	1052681	12.11	365.76	19.81	36.15
CONCORD	13M	G100YR24HR	20.52	61.09	58.95	0.0002	1181236	12.17	562.48	19.18	44.05
CRYSTBWL	13N	G002YR24HR	26.00	59.55	64.95	0.0000	382244	12.17	69.63	0.00	0.00
CRYSTBWL	13N	G010YR24HR	26.00	60.44	64.95	0.0001	408785	12.17	119.61	0.00	0.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
CRYSTBWL	13N	G025YR24HR	26.00	61.05	64.95	0.0001	426368	12.17	154.79	0.00	0.00
CRYSTBWL	13N	G100YR24HR	26.00	62.08	64.95	0.0001	457097	12.17	216.29	0.00	0.00
DUCKPOND	13F	G002YR24HR	25.50	50.60	57.25	0.0001	33227	12.08	10.06	0.00	0.00
DUCKPOND	13F	G010YR24HR	25.50	52.70	57.25	0.0002	37914	12.08	23.82	0.00	0.00
DUCKPOND	13F	G025YR24HR	25.50	54.04	57.25	0.0003	46253	12.08	34.51	0.00	0.00
DUCKPOND	13F	G100YR24HR	25.50	56.07	57.25	0.0004	58872	12.08	54.17	0.00	0.00
ELLEN	13M	G002YR24HR	25.50	65.42	67.75	0.0000	237355	12.08	24.22	0.00	0.00
ELLEN	13M	G010YR24HR	25.50	65.89	67.75	0.0000	249205	12.08	45.28	0.00	0.00
ELLEN	13M	G025YR24HR	25.50	66.22	67.75	0.0001	258383	12.08	60.42	0.00	0.00
ELLEN	13M	G100YR24HR	25.50	66.80	67.75	0.0001	274456	12.08	87.07	0.00	0.00
EVERGRN	13I	G002YR24HR	13.26	60.07	63.95	0.0001	164981	12.52	129.21	13.26	110.31
EVERGRN	13I	G010YR24HR	19.91	60.63	63.95	0.0001	176837	12.67	235.41	12.87	228.21
EVERGRN	13I	G025YR24HR	20.48	61.50	63.95	0.0002	194638	12.60	340.46	12.72	334.69
EVERGRN	13I	G100YR24HR	19.34	62.86	63.95	0.0002	224572	12.60	532.71	12.66	527.99
FAIRY	13I	G002YR24HR	27.01	53.96	53.95	0.0000	2416879	12.08	306.31	27.00	44.96
FAIRY	13I	G010YR24HR	30.38	55.31	53.95	0.0001	2588045	12.08	548.25	30.36	74.21
FAIRY	13I	G025YR24HR	33.16	56.45	53.95	0.0001	2777339	12.08	715.56	33.16	91.00
FAIRY	13I	G100YR24HR	33.96	58.51	53.95	0.0001	3335855	12.08	1005.96	33.96	112.12
FERN	13I	G002YR24HR	13.69	62.67	62.45	0.0001	166517	12.08	35.29	13.69	3.89
FERN	13I	G010YR24HR	24.25	63.17	62.45	0.0001	176153	12.08	63.97	12.67	23.33
FERN	13I	G025YR24HR	17.81	63.29	62.45	0.0001	178794	12.08	84.39	12.51	41.87
FERN	13I	G100YR24HR	14.03	63.54	62.45	0.0001	184470	12.08	120.22	12.39	76.47
GEM	13I	G002YR24HR	25.50	71.57	73.35	0.0000	210221	12.08	23.32	0.00	0.00
GEM	13I	G010YR24HR	25.50	72.12	73.35	0.0001	225177	12.08	45.47	0.00	0.00
GEM	13I	G025YR24HR	25.50	72.50	73.35	0.0001	239974	12.08	61.61	0.00	0.00
GEM	13I	G100YR24HR	25.50	73.14	73.35	0.0001	275077	12.08	90.21	0.00	0.00
GRASSY	13P	G002YR24HR	16.32	84.28	86.95	0.0001	533464	12.17	123.43	16.30	34.38
GRASSY	13P	G010YR24HR	17.64	85.00	86.95	0.0001	558680	12.19	215.57	17.59	51.94
GRASSY	13P	G025YR24HR	16.12	85.37	86.95	0.0001	570155	12.17	271.10	16.03	61.29
GRASSY	13P	G100YR24HR	15.05	86.29	86.95	0.0002	598852	12.08	382.19	15.02	84.29
GRIFFIN	13K	G002YR24HR	18.25	75.48	75.95	0.0000	731785	12.47	57.11	18.19	18.89
GRIFFIN	13K	G010YR24HR	16.24	76.23	75.95	0.0000	846580	12.81	145.13	16.39	43.00
GRIFFIN	13K	G025YR24HR	14.76	76.51	75.95	0.0001	894796	12.58	246.27	14.76	86.85
GRIFFIN	13K	G100YR24HR	13.59	76.86	75.95	0.0001	955179	12.42	435.29	13.59	190.30
HODGE	13H	G002YR24HR	72.00	52.01	53.05	0.0000	963299	12.08	73.21	0.00	0.00
HODGE	13H	G010YR24HR	72.00	52.55	53.05	0.0000	1010226	12.08	153.30	0.00	0.00
HODGE	13H	G025YR24HR	72.00	52.94	53.05	0.0001	1044469	12.08	212.63	0.00	0.00
HODGE	13H	G100YR24HR	21.89	53.24	53.05	0.0001	1068739	12.08	318.99	21.89	13.46
IRENE-N	13H	G002YR24HR	25.50	55.87	0.00	0.0000	391708	12.08	62.62	0.00	0.00
IRENE-N	13H	G010YR24HR	27.16	56.55	0.00	0.0001	420329	12.08	103.98	0.00	0.00
IRENE-N	13H	G025YR24HR	29.47	57.02	0.00	0.0001	439781	12.08	132.84	0.00	0.00
IRENE-N	13H	G100YR24HR	25.50	57.81	0.00	0.0001	469381	12.08	182.88	0.00	0.00
IRENE-S	13H	G002YR24HR	25.50	56.60	0.00	0.0001	239022	12.08	65.86	0.00	0.00
IRENE-S	13H	G010YR24HR	25.50	57.85	0.00	0.0001	264970	12.08	123.56	0.00	0.00
IRENE-S	13H	G025YR24HR	25.50	58.72	0.00	0.0002	282268	12.08	165.54	0.00	0.00
IRENE-S	13H	G100YR24HR	25.50	60.11	0.00	0.0002	338436	12.08	240.06	0.00	0.00

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
JANE	13I	G002YR24HR	27.50	65.73	66.05	0.0001	97277	12.42	17.56	0.00	0.00
JANE	13I	G010YR24HR	13.94	66.46	66.05	0.0001	111413	12.72	48.49	13.94	38.15
JANE	13I	G025YR24HR	13.26	66.67	66.05	0.0002	115852	12.58	81.75	13.26	70.14
JANE	13I	G100YR24HR	12.81	67.06	66.05	0.0003	123356	12.56	158.44	12.81	144.89
JESUP	13A	G002YR24HR	0.00	8.75	0.00	0.0000	11528	15.37	587.10	0.00	0.00
JESUP	13A	G010YR24HR	0.00	8.75	0.00	0.0000	11528	15.60	1008.40	0.00	0.00
JESUP	13A	G025YR24HR	0.00	8.75	0.00	0.0000	11528	15.68	1277.15	0.00	0.00
JESUP	13A	G100YR24HR	0.00	8.75	0.00	0.0000	11528	15.90	1661.99	0.00	0.00
KATHRYN	13A	G002YR24HR	33.77	51.65	51.95	0.0000	3531778	12.33	410.04	31.81	136.84
KATHRYN	13A	G010YR24HR	31.64	52.72	51.95	0.0001	3735071	12.33	635.37	30.14	247.77
KATHRYN	13A	G025YR24HR	30.19	53.25	51.95	0.0001	3905293	12.33	791.82	28.75	323.23
KATHRYN	13A	G100YR24HR	26.27	53.93	51.95	0.0001	4165491	12.33	1072.36	25.78	466.55
LOST	13N	G002YR24HR	29.33	52.06	53.95	0.0000	813637	12.44	96.44	14.19	23.49
LOST	13N	G010YR24HR	27.12	53.25	53.95	0.0001	976981	12.33	176.13	13.72	45.62
LOST	13N	G025YR24HR	27.31	54.00	53.95	0.0001	1038408	12.27	218.19	13.28	57.02
LOST	13N	G100YR24HR	27.26	55.07	53.95	0.0001	1116785	12.25	287.39	17.69	61.73
LOTUS	13K	G002YR24HR	26.50	83.50	85.85	0.0000	190585	12.33	11.23	0.00	0.00
LOTUS	13K	G010YR24HR	26.50	84.30	85.85	0.0000	210573	12.25	33.68	0.00	0.00
LOTUS	13K	G025YR24HR	26.50	84.91	85.85	0.0001	231525	12.25	52.82	0.00	0.00
LOTUS	13K	G100YR24HR	26.50	85.90	85.85	0.0001	296083	12.25	89.62	0.00	0.00
LPRAIRIE	13P	G002YR24HR	25.50	92.42	91.95	0.0001	398497	12.08	52.64	0.00	0.00
LPRAIRIE	13P	G010YR24HR	13.69	92.62	91.95	0.0001	442871	12.08	91.65	13.69	9.14
LPRAIRIE	13P	G025YR24HR	13.73	92.94	91.95	0.0001	510829	12.08	119.16	18.00	13.84
LPRAIRIE	13P	G100YR24HR	12.59	93.14	91.95	0.0001	554696	12.08	167.27	12.65	70.72
LWILDMER	13I	G002YR24HR	26.43	62.60	63.45	0.0000	408769	12.42	17.79	0.00	0.00
LWILDMER	13I	G010YR24HR	24.31	63.17	63.45	0.0000	490879	12.45	64.22	24.31	2.11
LWILDMER	13I	G025YR24HR	17.86	63.28	63.45	0.0001	514537	12.42	106.74	17.86	8.24
LWILDMER	13I	G100YR24HR	14.01	63.53	63.45	0.0001	565412	12.33	185.47	14.01	35.00
MALTBIE	13P	G002YR24HR	15.41	86.14	83.95	0.0003	323697	12.25	223.27	12.89	21.04
MALTBIE	13P	G010YR24HR	17.90	88.05	83.95	0.0003	987420	12.25	378.71	12.21	21.04
MALTBIE	13P	G025YR24HR	20.17	88.82	83.95	0.0003	1122068	12.25	487.91	11.99	21.04
MALTBIE	13P	G100YR24HR	23.70	90.07	83.95	0.0004	1338656	12.25	678.87	11.36	21.04
ORANGE	13I	G002YR24HR	25.50	73.89	0.00	0.0001	138917	12.08	39.17	0.00	0.00
ORANGE	13I	G010YR24HR	25.50	74.98	0.00	0.0001	176795	12.08	69.79	0.00	0.00
ORANGE	13I	G025YR24HR	18.64	75.30	0.00	0.0002	179578	12.08	91.48	18.64	3.27
ORANGE	13I	G100YR24HR	12.94	75.46	0.00	0.0002	180904	12.08	129.49	12.94	26.25
OXFORD	13L	G002YR24HR	12.94	70.81	72.95	0.0005	227774	12.21	111.21	12.94	71.57
OXFORD	13L	G010YR24HR	13.54	71.74	72.95	0.0005	277207	12.18	194.01	13.78	117.27
OXFORD	13L	G025YR24HR	13.88	72.95	72.95	0.0005	329903	12.43	258.80	14.28	129.07
OXFORD	13L	G100YR24HR	13.42	74.40	72.95	0.0005	421881	12.30	427.18	13.40	232.63
PEARL	13P	G002YR24HR	72.00	85.88	86.95	0.0000	622225	12.17	77.27	0.00	0.00
PEARL	13P	G010YR24HR	72.00	86.74	86.95	0.0001	661686	12.17	126.47	0.00	0.00
PEARL	13P	G025YR24HR	72.00	87.31	86.95	0.0001	789185	12.17	162.14	0.00	0.00
PEARL	13P	G100YR24HR	72.00	88.19	86.95	0.0001	1075939	12.17	223.79	72.00	0.23
PINEYRDG	13P	G002YR24HR	20.81	83.95	85.95	0.0002	47893	12.25	28.62	20.81	1.97
PINEYRDG	13P	G010YR24HR	17.03	85.22	85.95	0.0002	70107	12.25	47.14	17.03	2.96
PINEYRDG	13P	G025YR24HR	16.98	86.25	85.95	0.0003	97682	12.25	60.12	16.98	3.76

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
PINEYRDG	13P	G100YR24HR	18.94	87.52	85.95	0.0004	179572	12.25	82.82	12.86	3.92
PLAZA	13K	G002YR24HR	25.50	74.54	75.65	0.0000	130578	12.08	13.15	0.00	0.00
PLAZA	13K	G010YR24HR	25.50	74.92	75.65	0.0000	141658	12.08	21.86	0.00	0.00
PLAZA	13K	G025YR24HR	25.50	75.17	75.65	0.0001	152232	12.08	27.96	0.00	0.00
PLAZA	13K	G100YR24HR	25.50	75.57	75.65	0.0001	170096	12.08	38.64	0.00	0.00
POND1	13P	G002YR24HR	72.00	69.77	73.00	0.0001	365543	12.08	85.20	0.00	0.00
POND1	13P	G010YR24HR	20.21	70.49	73.00	0.0001	379125	12.08	145.07	20.21	15.93
POND1	13P	G025YR24HR	16.52	70.66	73.00	0.0001	382135	12.08	187.29	16.52	24.55
POND1	13P	G100YR24HR	13.83	71.10	73.00	0.0002	390122	12.08	260.82	13.83	52.86
POND2	13L	G002YR24HR	12.64	52.39	54.00	0.0002	36545	12.26	45.94	12.58	35.46
POND2	13L	G010YR24HR	12.88	54.23	54.00	0.0003	73110	12.25	84.50	12.71	49.47
POND2	13L	G025YR24HR	12.98	55.16	54.00	0.0004	114527	12.24	112.60	12.84	53.89
POND2	13L	G100YR24HR	13.04	56.46	54.00	0.0006	139161	12.40	177.32	12.81	59.05
POND5	13N	G002YR24HR	12.55	62.05	63.00	0.0002	37995	12.25	33.20	12.55	27.59
POND5	13N	G010YR24HR	12.64	62.69	63.00	0.0001	40282	12.25	57.13	12.62	42.22
POND5	13N	G025YR24HR	12.88	63.21	63.00	0.0002	239094	12.25	73.99	12.17	41.68
POND5	13N	G100YR24HR	13.25	63.49	63.00	0.0003	473844	12.25	103.47	12.01	41.40
POND7	13L	G002YR24HR	12.89	55.07	58.00	0.0003	133576	12.17	135.85	13.13	53.94
POND7	13L	G010YR24HR	12.82	56.76	58.00	0.0003	146337	12.08	232.74	12.81	97.31
POND7	13L	G025YR24HR	12.48	57.10	58.00	0.0004	149127	12.08	301.05	12.48	211.79
POND7	13L	G100YR24HR	12.27	57.33	58.00	0.0006	151456	12.08	420.53	12.26	387.70
POND8A	13L	G002YR24HR	13.32	56.44	58.00	0.0001	209319	12.61	134.55	13.32	123.13
POND8A	13L	G010YR24HR	13.42	56.77	58.00	0.0001	214696	12.12	190.79	13.42	182.69
POND8A	13L	G025YR24HR	15.04	57.12	58.00	0.0001	224016	12.08	209.91	12.94	200.84
POND8A	13L	G100YR24HR	15.07	58.00	58.00	0.0001	267285	12.08	243.17	12.41	221.00
POND8B	13L	G002YR24HR	13.12	56.91	58.00	0.0002	91169	12.42	160.77	12.90	135.78
POND8B	13L	G010YR24HR	13.27	57.88	58.00	0.0002	248879	12.33	252.80	13.23	202.74
POND8B	13L	G025YR24HR	13.06	58.23	58.00	0.0002	262248	12.25	302.69	13.04	254.90
POND8B	13L	G100YR24HR	14.01	58.62	58.00	0.0002	272441	12.48	397.15	12.71	367.15
PRAIRIE	13P	G002YR24HR	72.00	85.88	87.95	0.0000	5705487	12.25	681.66	13.86	3.75
PRAIRIE	13P	G010YR24HR	72.00	86.74	87.95	0.0001	6118188	12.21	1114.95	13.85	5.33
PRAIRIE	13P	G025YR24HR	72.00	87.31	87.95	0.0001	6420649	12.17	1410.84	13.85	5.71
PRAIRIE	13P	G100YR24HR	72.00	88.19	87.95	0.0001	6895351	12.17	1919.28	24.50	7.24
QUAIL	13M	G002YR24HR	19.73	62.66	65.95	0.0000	156293	12.08	26.47	19.73	0.87
QUAIL	13M	G010YR24HR	20.14	63.18	65.95	0.0001	160298	12.08	44.04	19.86	1.28
QUAIL	13M	G025YR24HR	23.12	63.60	65.95	0.0001	167599	12.08	56.36	13.45	1.39
QUAIL	13M	G100YR24HR	24.12	64.35	65.95	0.0001	181251	12.08	77.88	12.36	1.45
QUEENS	13L	G002YR24HR	15.72	52.58	53.95	0.0001	697174	12.38	245.19	15.11	118.87
QUEENS	13L	G010YR24HR	16.51	53.76	53.95	0.0001	781750	12.31	368.56	15.60	245.92
QUEENS	13L	G025YR24HR	24.05	54.30	53.95	0.0001	817269	12.53	579.02	15.10	321.97
QUEENS	13L	G100YR24HR	24.41	55.39	53.95	0.0002	888772	12.27	875.61	14.16	448.93
SECRET	13M	G002YR24HR	15.80	52.08	52.95	0.0001	579367	12.33	113.47	14.83	21.04
SECRET	13M	G010YR24HR	27.80	53.35	52.95	0.0001	771241	12.33	182.47	14.23	35.81
SECRET	13M	G025YR24HR	30.29	54.31	52.95	0.0001	1034344	12.41	221.85	13.95	40.07
SECRET	13M	G100YR24HR	36.92	55.57	52.95	0.0001	1363254	12.47	297.60	46.01	41.40
TRIPLT-M	13L	G002YR24HR	29.35	52.06	51.95	0.0000	2865145	12.08	291.05	26.18	72.72

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
TRIPLT-M	13L	G010YR24HR	27.15	53.25	51.95	0.0000	3169632	12.08	489.04	23.14	143.03
TRIPLT-M	13L	G025YR24HR	27.32	54.00	51.95	0.0001	3339693	12.08	628.86	21.45	187.62
TRIPLT-M	13L	G100YR24HR	27.26	55.07	51.95	0.0001	3622053	12.08	884.82	25.41	259.97
TRIPLT-N	13L	G002YR24HR	30.68	51.88	52.25	0.0000	1156058	12.33	132.84	28.56	69.42
TRIPLT-N	13L	G010YR24HR	29.04	53.02	52.25	0.0001	1371198	12.33	219.28	25.00	131.81
TRIPLT-N	13L	G025YR24HR	28.52	53.75	52.25	0.0001	1538196	12.33	281.54	26.68	166.57
TRIPLT-N	13L	G100YR24HR	28.01	54.73	52.25	0.0001	1689944	12.25	390.39	27.95	253.49
TRIPLT-S	13L	G002YR24HR	29.21	52.06	0.00	0.0000	1471588	12.08	176.36	16.48	86.98
TRIPLT-S	13L	G010YR24HR	27.13	53.25	0.00	0.0001	1779198	12.08	315.71	16.05	194.02
TRIPLT-S	13L	G025YR24HR	27.31	54.00	0.00	0.0001	1915713	12.08	414.48	15.42	235.62
TRIPLT-S	13L	G100YR24HR	27.26	55.07	0.00	0.0001	2077490	12.08	600.53	14.89	293.82
TROUT	13K	G002YR24HR	20.15	79.21	80.65	0.0000	791990	12.08	100.48	20.09	4.15
TROUT	13K	G010YR24HR	20.18	79.70	80.65	0.0001	848296	12.08	198.42	20.14	6.54
TROUT	13K	G025YR24HR	20.17	80.04	80.65	0.0001	885138	12.08	261.15	20.14	8.24
TROUT	13K	G100YR24HR	20.25	80.60	80.65	0.0001	938728	12.08	369.74	20.23	10.80
WILDMERE	13I	G002YR24HR	19.08	59.22	57.95	0.0000	1657671	12.50	196.58	31.09	40.82
WILDMERE	13I	G010YR24HR	20.08	60.62	57.95	0.0001	1851681	12.69	441.49	20.19	65.59
WILDMERE	13I	G025YR24HR	20.50	61.49	57.95	0.0001	1983669	12.70	662.91	20.47	109.24
WILDMERE	13I	G100YR24HR	19.37	62.86	57.95	0.0002	2209649	12.59	1127.59	19.04	170.12
YVONNE	13N	G002YR24HR	17.70	53.79	53.95	0.0001	1221550	12.25	284.12	18.31	20.86
YVONNE	13N	G010YR24HR	16.07	54.86	53.95	0.0001	1573117	12.25	520.62	18.15	47.18
YVONNE	13N	G025YR24HR	15.99	55.54	53.95	0.0002	1847905	12.25	690.74	18.04	62.33
YVONNE	13N	G100YR24HR	16.15	56.59	53.95	0.0002	2338190	12.25	991.06	17.07	83.07